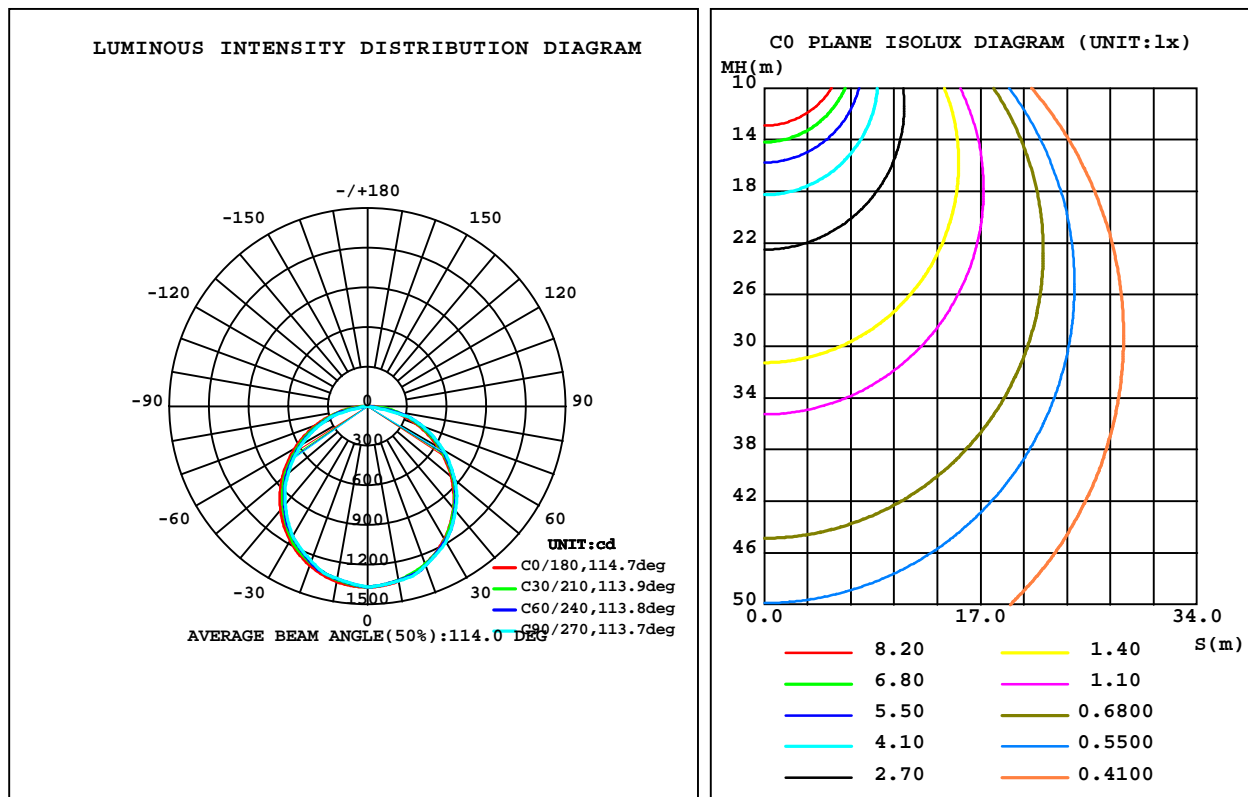


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:229.8V I:0.1382A P:31.08W PF:0.9786 Lamp Flux:3937.16x1 lm		
NAME: IL-P195K4N	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:250*1150	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 126.69 lm/W			
MODEL	IL-P195K4N	I _{max} (cd)	1369	S/MH(C0/180)	1.28
NOMINAL POWER(W)	32	LOR(%)	100.0	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	3937.2	h UP,DN(C0-180)	0.0,51.5
NOMINAL FLUX(lm)	3937.16	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.0,48.5
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230	h down(%)	100.0	CIBSE SHR MAX	1.35



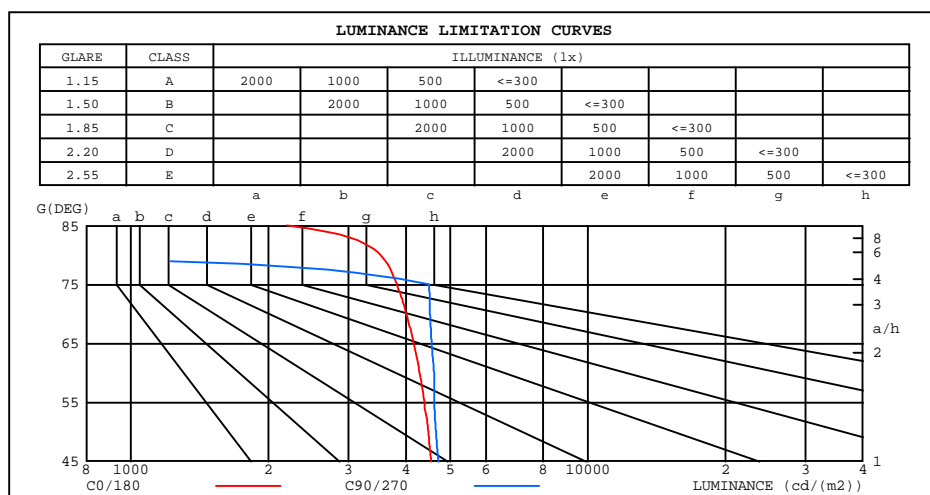
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-09

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
Humidity:65.0%
Test Distance:13.533m [K=1.0000]
Remarks: IL-P195K4N

ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
5	1362	1356	1356	1358	1364	1352	1347	1350	0- 5	32.52	32.52	0.83,0.83
10	1344	1337	1343	1341	1348	1329	1325	1325	5- 10	96.20	128.7	3.27,3.27
15	1315	1313	1330	1318	1321	1300	1304	1295	10- 15	156.9	285.6	7.25,7.25
20	1275	1284	1282	1291	1283	1267	1248	1260	15- 20	212.7	498.3	12.7,12.7
25	1223	1229	1235	1238	1234	1208	1193	1200	20- 25	260.8	759.1	19.3,19.3
30	1163	1168	1188	1177	1175	1142	1138	1132	25- 30	300.7	1060	26.9,26.9
35	1092	1103	1112	1112	1105	1072	1055	1062	30- 35	331.0	1391	35.3,35.3
40	1012	1032	1035	1041	1027	995.8	971.9	985.3	35- 40	349.7	1741	44.2,44.2
45	923.4	939.3	958.7	949.5	939.4	900.1	888.8	888.8	40- 45	357.3	2098	53.3,53.3
50	828.2	846.4	860.2	857.7	844.9	803.7	785.0	791.6	45- 50	353.6	2451	62.3,62.3
55	724.2	753.1	761.6	764.3	743.6	707.0	681.2	694.2	50- 55	337.5	2789	70.8,70.8
60	616.6	644.0	663.1	654.2	636.4	595.2	577.4	582.9	55- 60	311.0	3100	78.7,78.7
65	506.1	537.5	553.8	546.4	526.0	485.5	468.3	474.1	60- 65	275.2	3375	85.7,85.7
70	394.4	429.9	444.5	437.5	413.5	376.3	359.2	366.3	65- 70	231.2	3606	91.6,91.6
75	284.7	320.5	335.2	326.8	302.3	267.8	250.1	259.1	70- 75	181.4	3788	96.2,96.2
80	176.0	183.1	0	187.2	191.3	141.2	0	135.3	75- 80	113.5	3901	99.1,99.1
85	55.02	0	0	0	66.46	0	0	0	80- 85	32.80	3934	99.9,99.9
90	0.3434	0	0	0	0.4960	0	0	0	85- 90	3.007	3937	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2196	0
80	3526	0
75	3826	4505
70	4011	4521
65	4165	4558
60	4289	4613
55	4392	4619
50	4482	4655
45	4542	4716

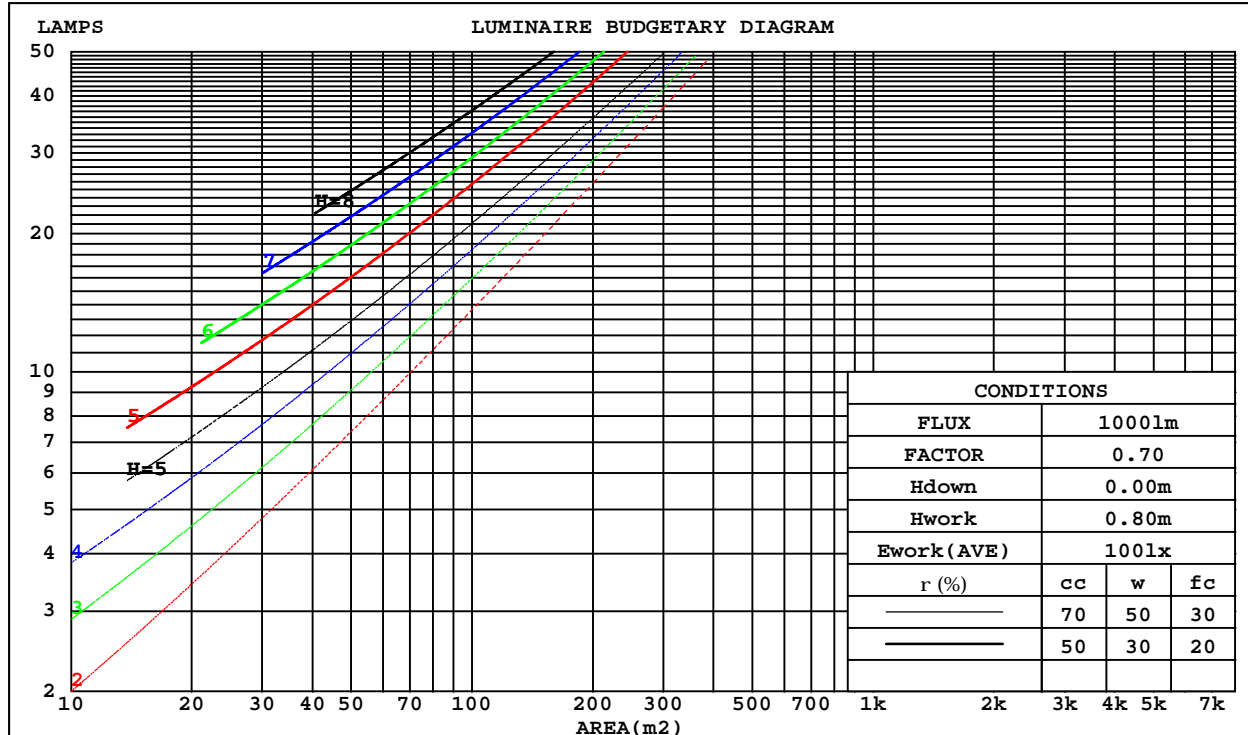
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-09

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
Humidity:65.0%
Test Distance:13.533m [K=1.0000]
Remarks: IL-P195K4N

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:229.8V I:0.1382A P:31.08W PF:0.9786 Lamp Flux:3937.16x1 lm		
NAME: IL-P195K4N	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:250*1150	PROTECTION ANGLE:

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-10-09

g Range: 0 - 90DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:13.533m [K=1.0000]
 Remarks: IL-P195K4N

WEC AND CCEC

Test:U:229.8V I:0.1382A P:31.08W PF:0.9786 Lamp Flux:3937.16x1 lm		
NAME: IL-P195K4N	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:250*1150	PROTECTION ANGLE:

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC)															
0.0																
1.0	.304	.173	.055	.297	.169	.054	.284	.163	.052	.271	.157	.050	.260	.151	.049	
2.0	.290	.159	.049	.284	.156	.048	.272	.151	.047	.262	.147	.046	.252	.142	.045	
3.0	.270	.144	.043	.264	.142	.043	.254	.138	.042	.244	.134	.041	.236	.130	.040	
4.0	.250	.130	.038	.245	.128	.038	.235	.125	.037	.227	.122	.037	.219	.119	.036	
5.0	.231	.118	.034	.227	.116	.034	.218	.114	.033	.211	.111	.033	.204	.109	.033	
6.0	.214	.107	.031	.210	.106	.031	.203	.104	.030	.196	.102	.030	.190	.100	.030	
7.0	.199	.099	.028	.196	.098	.028	.189	.096	.028	.183	.094	.027	.178	.092	.027	
8.0	.186	.091	.026	.183	.090	.025	.177	.089	.025	.172	.087	.025	.167	.086	.025	
9.0	.174	.084	.024	.172	.084	.023	.166	.082	.023	.162	.081	.023	.157	.080	.023	
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.152	.076	.022	.148	.075	.021	

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.180	.156	.135	.154	.134	.116	.105	.092	.080	.061	.053	.047	.019	.017	.015	
2.0	.172	.132	.098	.147	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.164	.114	.074	.141	.099	.064	.097	.068	.045	.056	.040	.027	.018	.013	.009	
4.0	.157	.101	.058	.135	.087	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.047	.128	.078	.041	.088	.055	.029	.051	.032	.017	.017	.010	.006	
6.0	.142	.082	.039	.122	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.136	.075	.033	.117	.065	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.129	.070	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.014	.008	.003	
9.0	.123	.065	.025	.106	.056	.022	.073	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.117	.060	.022	.101	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-09

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
Humidity:65.0%
Test Distance:13.533m [K=1.0000]
Remarks: IL-P195K4N

UGR(Unified Glare Rating) Table

Test:U:229.8V I:0.1382A P:31.08W PF:0.9786 Lamp Flux:3937.16x1 lm										
NAME: IL-P195K4N					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.:					SUR.:250*1150			PROTECTION ANGLE:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	18.2	19.7	18.4	19.9	20.1	18.4	20.0	18.7	20.2	20.4
3H	19.8	21.2	20.1	21.4	21.6	20.2	21.6	20.5	21.8	22.1
4H	20.4	21.8	20.7	22.0	22.3	20.9	22.3	21.2	22.5	22.8
6H	20.9	22.2	21.2	22.4	22.7	21.0	22.3	21.4	22.6	22.8
8H	21.0	22.2	21.4	22.5	22.8	21.0	22.2	21.3	22.5	22.8
12H	21.1	22.2	21.4	22.5	22.8	20.9	22.1	21.3	22.4	22.7
4H 2H	18.9	20.2	19.2	20.5	20.7	19.1	20.4	19.4	20.7	20.9
3H	20.7	21.8	21.0	22.1	22.4	21.0	22.2	21.4	22.5	22.8
4H	21.5	22.5	21.8	22.9	23.2	21.9	23.0	22.3	23.3	23.6
6H	22.1	23.0	22.5	23.4	23.8	22.1	23.0	22.5	23.4	23.7
8H	22.3	23.2	22.7	23.5	23.9	22.0	22.9	22.4	23.3	23.7
12H	22.4	23.2	22.8	23.6	24.0	22.0	22.8	22.4	23.2	23.6
8H 4H	21.9	22.7	22.3	23.1	23.5	22.2	23.1	22.6	23.5	23.9
6H	22.7	23.4	23.1	23.8	24.2	22.4	23.2	22.9	23.6	24.0
8H	23.0	23.6	23.4	24.1	24.5	22.4	23.1	22.9	23.5	23.9
12H	23.2	23.7	23.7	24.2	24.7	22.4	22.9	22.8	23.4	23.8
12H 4H	21.8	22.6	22.3	23.0	23.4	22.3	23.1	22.7	23.5	23.9
6H	22.7	23.3	23.1	23.7	24.2	22.5	23.1	22.9	23.6	24.0
8H	23.0	23.6	23.5	24.0	24.5	22.5	23.0	22.9	23.5	23.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.1 / - 0.2				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.5				

CIE Pub.117 Corrected 3937 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.8)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-09

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
Humidity:65.0%
Test Distance:13.533m [K=1.0000]
Remarks: IL-P195K4N

UTILIZATION FACTORS TABLE

Test:U:229.8V I:0.1382A P:31.08W PF:0.9786 Lamp Flux:3937.16x1 lm		
NAME: IL-P195K4N	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:250*1150	PROTECTION ANGLE:

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	46	39	57	45	39	55	45	38	32
0.80	67	56	48	66	55	48	65	54	48	41
1.00	76	65	57	75	64	57	72	66	57	49
1.25	83	72	65	82	72	65	79	70	64	57
1.50	88	78	71	86	77	71	83	75	70	62
2.00	95	86	80	93	85	79	90	83	78	70
2.50	99	91	85	97	90	84	93	87	82	74
3.00	102	96	90	100	94	89	96	91	87	78
4.00	106	101	96	104	99	95	100	96	92	83
5.00	109	104	100	106	102	99	102	99	96	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-10-09

g Range: 0 - 90DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:13.533m [K=1.0000]
 Remarks: IL-P195K4N

ISOCANDELA DIAGRAM

Test:U:229.8V I:0.1382A P:31.08W PF:0.9786 Lamp Flux:3937.16x1 lm		
NAME: IL-P195K4N	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:250*1150	PROTECTION ANGLE:

Conical surface Flux(90deg):

2097.9 lm

%lum = 53.3%

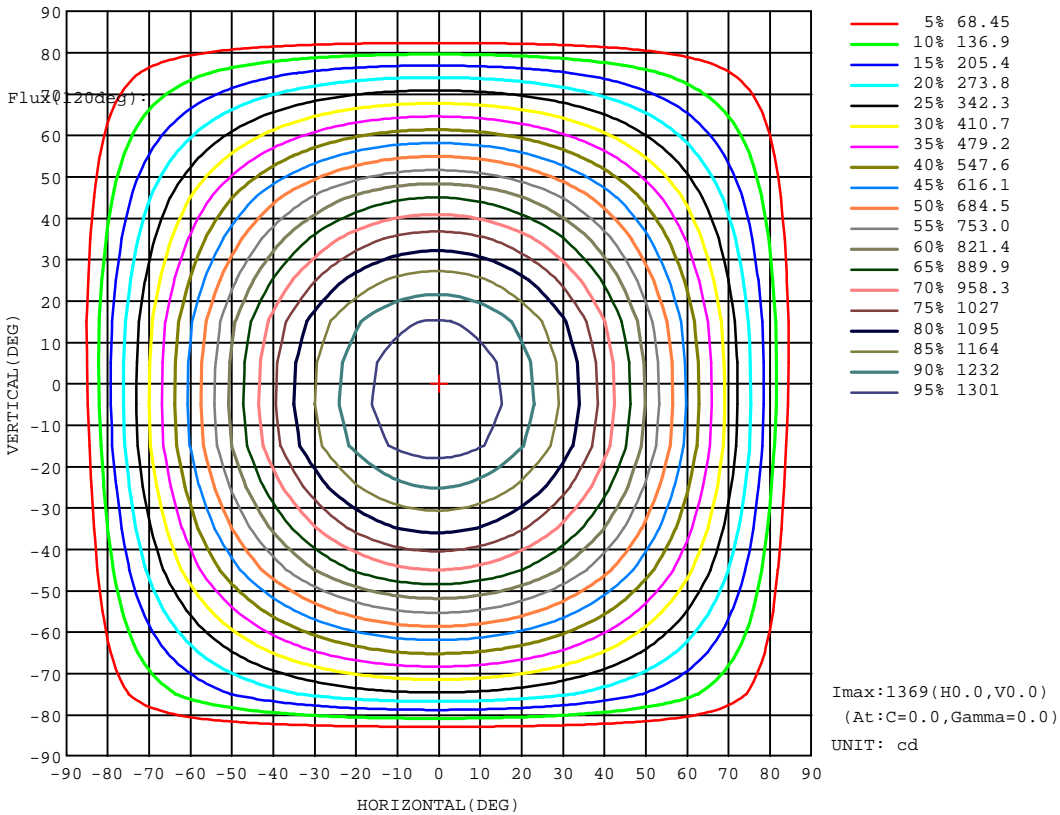
%lamp = 53.3%

Conical surface Flux(20deg):

3100 lm

%lum = 78.7%

%lamp = 78.7%



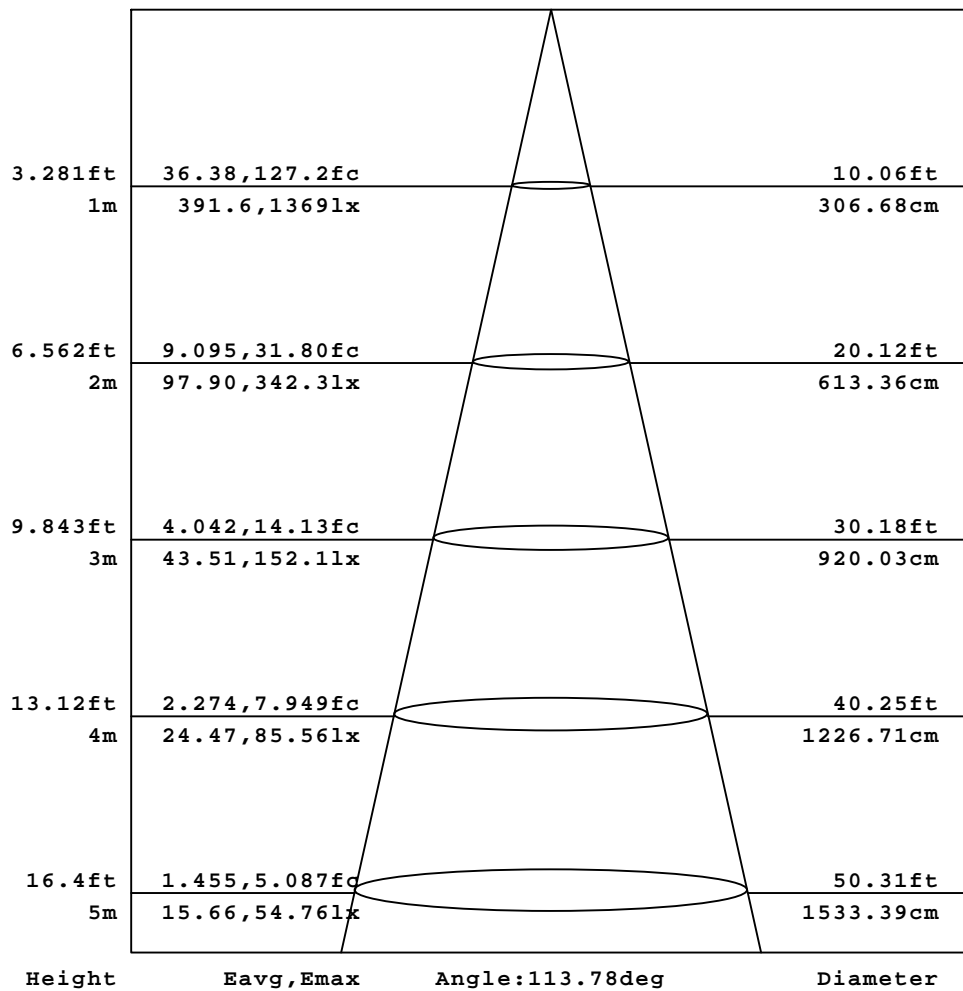
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-09

g Range: 0 - 90DEG
Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
Humidity:65.0%
Test Distance:13.533m [K=1.0000]
Remarks: IL-P195K4N

AAI Figure

Test:U:229.8V I:0.1382A P:31.08W PF:0.9786 Lamp Flux:3937.16x1 lm		
NAME: IL-P195K4N	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:250*1150	PROTECTION ANGLE:

Flux out:2917 lm



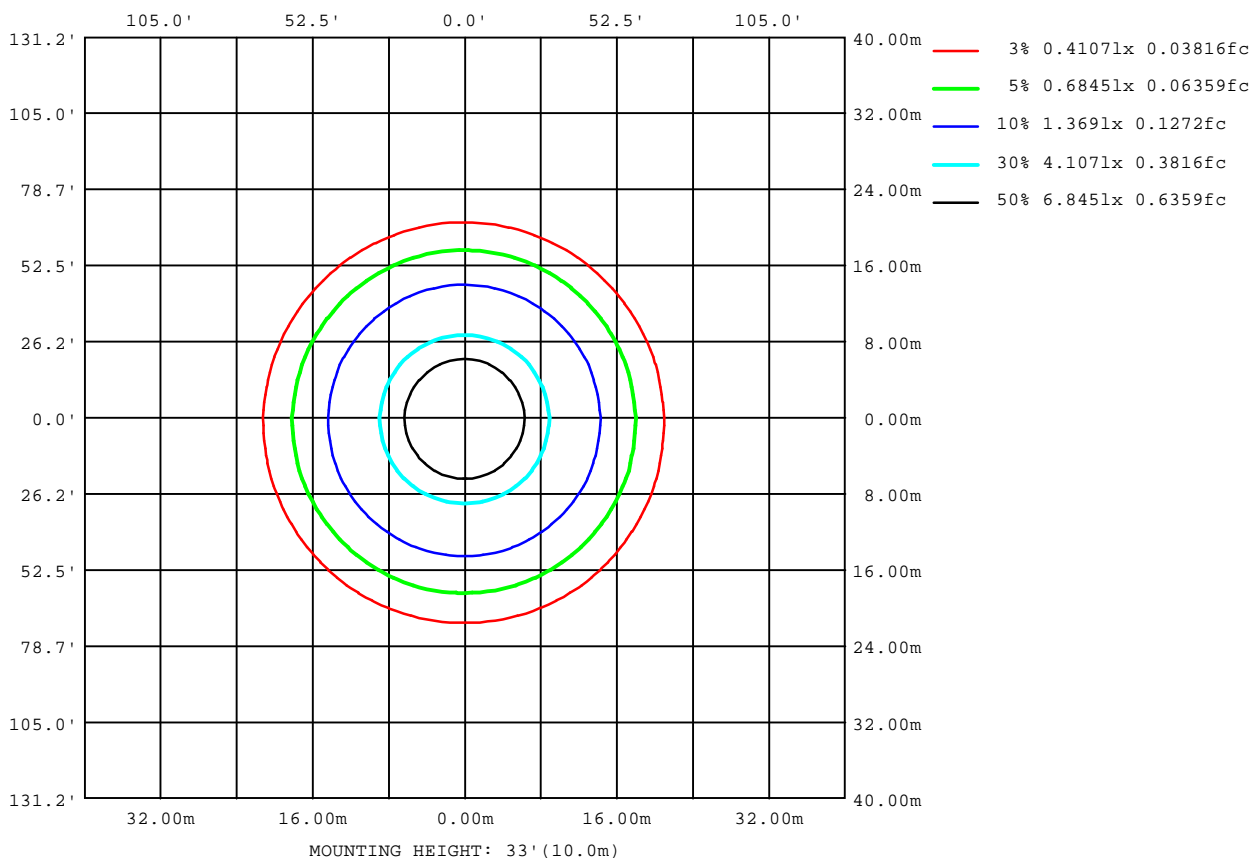
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-10-09

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.286
Humidity: 65.0%
Test Distance: 13.533m [K=1.0000]
Remarks: IL-P195K4N

ISOLUX DIAGRAM

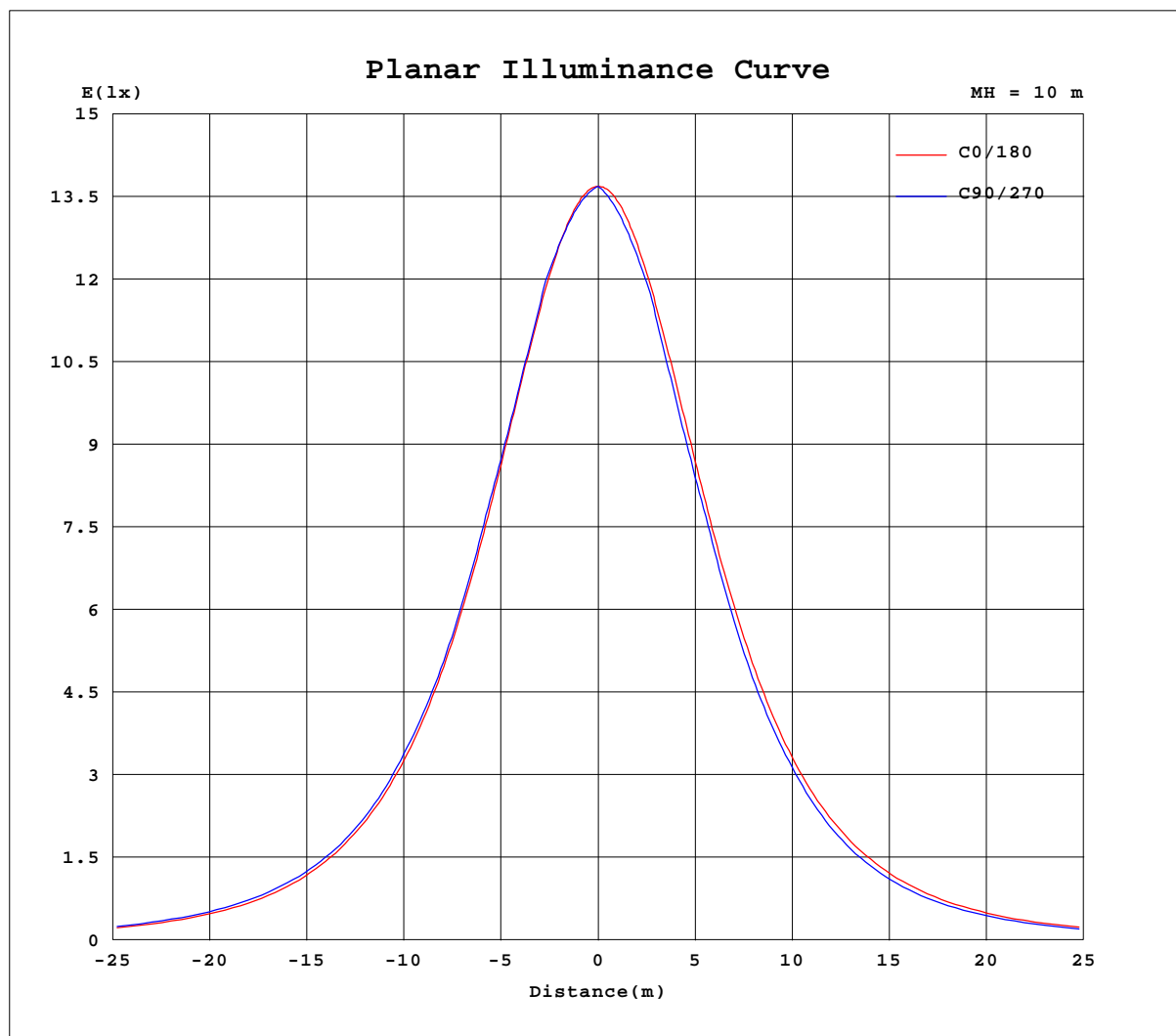
Test:U:229.8V I:0.1382A P:31.08W PF:0.9786 Lamp Flux:3937.16x1 lm		
NAME: IL-P195K4N	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:250*1150	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-10-09

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
Humidity:65.0%
Test Distance:13.533m [K=1.0000]
Remarks: IL-P195K4N

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-10-09

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.286
Humidity: 65.0%
Test Distance: 13.533m [K=1.0000]
Remarks: IL-P195K4N

Test:U:229.8V I:0.1382A P:31.08W PF:0.9786 Lamp Flux:3937.16x1 lm		
NAME: IL-P195K4N	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:250*1150	PROTECTION ANGLE:

UNIT: cd

[illegible]

```

Range: 0 - 90DEG
Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
Humidity:65.0%
Test Distance:13.533m [K=1.0000]
Remarks: IL-P195K4N

```

Test:U:229.8V I:0.1382A P:31.08W PF:0.9786 Lamp Flux:3937.16x1 lm		
NAME: IL-P195K4N	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:250*1150	PROTECTION ANGLE:

UNIT: cd

[illegible]

```

Range: 0 - 90DEG
Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
Humidity:65.0%
Test Distance:13.533m [K=1.0000]
Remarks: IL-P195K4N

```

Test:U:229.8V I:0.1382A P:31.08W PF:0.9786 Lamp Flux:3937.16x1 lm		
NAME: IL-P195K4N	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:250*1150	PROTECTION ANGLE:

UNIT: cd

[illegible]

```

Range: 0 - 90DEG
Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
Humidity:65.0%
Test Distance:13.533m [K=1.0000]
Remarks: IL-P195K4N

```

Test:U:229.8V I:0.1382A P:31.08W PF:0.9786 Lamp Flux:3937.16x1 lm		
NAME: IL-P195K4N	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:250*1150	PROTECTION ANGLE:

UNIT: cd

[illegible]

```

Range: 0 - 90DEG
Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
Humidity:65.0%
Test Distance:13.533m [K=1.0000]
Remarks: IL-P195K4N

```

Photometric Data Table [cd]

G/C	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0
0.0	1369	1369	1369	1369	1369	1369	1369	1369	1369	1369
2.5	1367	1366	1366	1365	1365	1364	1364	1364	1363	1363
5.0	1362	1361	1360	1359	1358	1358	1357	1357	1356	1356
7.5	1354	1353	1351	1350	1349	1349	1348	1348	1347	1347
10.0	1344	1342	1340	1339	1338	1337	1337	1337	1337	1337
12.5	1331	1328	1326	1325	1324	1323	1324	1324	1325	1326
15.0	1315	1312	1310	1308	1308	1308	1308	1310	1311	1313
17.5	1296	1293	1290	1289	1289	1289	1291	1293	1296	1299
20.0	1275	1271	1268	1267	1267	1269	1272	1275	1279	1284
22.5	1250	1246	1244	1243	1244	1247	1251	1255	1261	1259
25.0	1223	1219	1217	1217	1218	1222	1228	1234	1231	1229
27.5	1194	1189	1187	1188	1191	1196	1203	1202	1200	1199
30.0	1163	1157	1156	1157	1161	1168	1171	1168	1167	1168
32.5	1128	1123	1122	1124	1129	1138	1134	1133	1133	1135
35.0	1092	1086	1085	1089	1096	1098	1096	1096	1099	1103
37.5	1053	1047	1047	1052	1061	1058	1057	1059	1063	1069
40.0	1012	1006	1007	1013	1019	1016	1017	1021	1027	1032
42.5	968.6	963.0	964.3	971.9	973.8	972.6	975.8	982.4	988.3	985.7
45.0	923.4	917.9	920.3	929.6	927.4	928.6	934.0	942.8	940.4	935.3
47.5	876.6	871.2	874.6	882.8	880.4	883.7	891.9	893.2	892.1	892.8
50.0	828.2	822.8	827.4	832.2	832.4	838.4	845.5	843.1	843.6	846.4
52.5	777.1	772.7	778.7	780.6	782.8	793.0	792.9	792.4	795.2	800.1
55.0	724.2	720.0	728.7	728.4	733.2	741.1	740.0	742.0	747.0	753.1
57.5	671.0	667.5	677.4	675.5	683.5	685.4	687.1	691.7	698.3	698.4
60.0	616.6	614.1	621.3	622.6	631.8	630.5	634.6	641.9	642.7	644.0
62.5	561.8	560.0	565.2	569.9	574.6	576.4	583.2	585.8	587.6	590.3
65.0	506.1	505.2	509.5	517.7	518.3	523.3	528.3	530.2	533.3	537.5
67.5	450.3	451.0	454.2	461.6	463.5	470.6	472.0	475.5	480.1	485.3
70.0	394.4	396.8	400.1	404.5	410.0	413.6	417.1	422.3	427.2	429.9
72.5	339.3	342.3	347.1	348.9	355.2	358.9	364.0	368.9	371.8	374.8
75.0	284.7	285.8	289.8	295.1	299.9	306.0	310.7	314.1	317.3	320.5
77.5	230.7	228.5	231.6	239.1	246.8	253.0	256.9	260.5	263.8	266.8
80.0	176.0	169.1	175.8	185.5	194.5	200.1	204.5	208.2	211.2	183.1
82.5	117.6	108.2	120.9	134.4	142.9	148.9	148.2	105.9	64.44	24.83
85.0	55.02	51.66	72.33	85.73	85.29	42.86	0	0	0	0
87.5	5.162	17.33	27.40	0	0	0	0	0	0	0
90.0	0.3434	0	0	0	0	0	0	0	0	0
G/C	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0
0.0	1369	1369	1369	1369	1369	1369	1369	1369	1369	1369
2.5	1363	1363	1363	1362	1362	1362	1362	1362	1362	1362
5.0	1356	1356	1356	1356	1355	1355	1356	1356	1356	1356
7.5	1347	1348	1348	1348	1348	1349	1349	1349	1349	1349
10.0	1338	1339	1339	1340	1341	1341	1342	1342	1343	1343
12.5	1327	1329	1330	1332	1333	1334	1335	1336	1336	1336
15.0	1316	1318	1320	1323	1325	1327	1328	1329	1330	1330
17.5	1303	1306	1308	1307	1306	1306	1306	1306	1306	1306
20.0	1285	1284	1282	1282	1281	1282	1282	1282	1282	1283
22.5	1258	1257	1256	1256	1257	1257	1258	1258	1259	1259
25.0	1229	1229	1229	1230	1232	1233	1234	1234	1235	1235
27.5	1199	1201	1202	1204	1206	1208	1210	1211	1212	1212
30.0	1169	1172	1175	1178	1181	1183	1186	1187	1188	1188
32.5	1139	1143	1147	1152	1150	1149	1149	1149	1150	1150
35.0	1107	1113	1112	1111	1110	1110	1111	1111	1112	1112
37.5	1074	1071	1071	1070	1070	1071	1072	1073	1073	1074
40.0	1029	1028	1029	1029	1031	1032	1033	1034	1035	1036
42.5	984.7	985.3	986.9	988.7	990.7	992.8	994.5	996.0	996.9	997.3
45.0	940.3	942.0	944.9	948.0	950.8	953.5	955.8	957.7	958.7	959.0
47.5	895.4	898.8	903.1	907.3	907.8	907.9	908.2	908.8	909.4	910.2
50.0	850.6	855.5	857.5	857.3	857.5	858.0	858.7	859.5	860.2	860.8
52.5	805.9	805.6	805.6	806.4	807.2	808.3	809.3	810.2	810.9	811.5
55.0	752.5	753.1	754.1	755.7	757.0	758.5	759.8	760.9	761.6	762.1
57.5	699.1	700.9	702.7	704.9	707.0	708.8	710.4	711.6	712.4	712.7
60.0	646.3	648.9	651.7	654.5	657.0	659.2	661.0	662.3	663.1	663.4
62.5	594.0	597.3	600.9	604.0	605.0	606.2	607.1	607.8	608.5	608.8
65.0	541.9	545.6	547.3	548.7	550.1	551.4	552.4	553.2	553.8	554.1
67.5	487.9	490.1	492.0	493.8	495.3	496.7	497.7	498.6	499.2	499.5
70.0	432.4	434.9	437.1	439.0	440.6	442.1	443.1	443.9	444.5	444.8
72.5	377.6	380.1	382.4	384.4	386.1	387.5	388.5	389.3	389.9	390.1
75.0	323.3	325.8	328.0	330.0	331.6	333.0	333.9	334.7	335.2	335.4
77.5	269.5	271.8	249.2	225.0	204.6	188.5	176.8	169.8	167.6	170.2
80.0	147.7	115.1	85.95	60.53	39.17	22.23	9.940	2.496	0	2.501
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-10-09

g Range: 0 - 90DEG
 g Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity: 65.0%
 Test Distance: 13.533m [K=1.0000]
 Remarks: IL-P195K4N

Photometric Data Table [cd]

87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	100.0	105.0	110.0	115.0	120.0	125.0	130.0	135.0	140.0	145.0
0.0	1369	1369	1369	1369	1369	1369	1369	1369	1369	1369
2.5	1362	1363	1363	1363	1363	1363	1364	1364	1364	1365
5.0	1356	1356	1356	1356	1357	1357	1357	1358	1358	1359
7.5	1349	1349	1350	1350	1350	1350	1350	1350	1350	1350
10.0	1343	1343	1342	1342	1342	1341	1341	1341	1340	1340
12.5	1336	1336	1335	1334	1333	1332	1331	1330	1329	1329
15.0	1329	1328	1327	1326	1324	1322	1320	1318	1317	1315
17.5	1307	1308	1309	1311	1313	1312	1309	1306	1303	1300
20.0	1283	1284	1285	1286	1287	1289	1292	1291	1287	1283
22.5	1259	1260	1260	1260	1261	1263	1264	1267	1270	1265
25.0	1235	1235	1235	1235	1235	1235	1236	1238	1241	1245
27.5	1211	1211	1210	1209	1208	1207	1207	1208	1210	1213
30.0	1187	1186	1185	1183	1181	1179	1177	1177	1177	1179
32.5	1151	1152	1154	1156	1153	1150	1147	1144	1143	1144
35.0	1113	1113	1115	1116	1118	1120	1116	1112	1109	1108
37.5	1074	1075	1075	1076	1077	1079	1082	1078	1074	1071
40.0	1036	1036	1036	1035	1036	1036	1038	1041	1038	1033
42.5	997.2	996.6	995.8	994.7	994.1	993.4	993.8	995.5	998.6	993.7
45.0	958.8	957.7	956.2	954.3	952.5	950.7	949.6	949.5	951.0	954.1
47.5	911.0	912.1	913.4	914.0	910.9	907.9	905.4	903.5	903.1	904.9
50.0	861.4	862.0	862.8	864.1	865.5	865.1	860.9	857.7	854.9	855.0
52.5	811.8	812.0	812.3	812.8	813.4	814.7	816.7	811.7	806.8	804.6
55.0	762.2	762.1	761.8	761.6	761.5	761.9	762.9	764.3	759.0	754.6
57.5	712.6	712.2	711.4	710.6	709.8	709.1	709.2	709.0	710.5	704.8
60.0	663.1	662.3	661.1	659.7	658.2	656.6	655.5	654.2	654.3	655.7
62.5	609.1	609.1	608.9	608.7	606.8	604.5	602.2	600.0	598.7	598.8
65.0	554.3	554.1	553.8	553.2	552.7	552.1	549.5	546.4	543.7	542.2
67.5	499.5	499.2	498.8	498.1	497.1	496.2	495.1	493.5	489.6	486.5
70.0	444.8	444.4	443.9	443.0	441.9	440.7	439.1	437.5	435.9	432.0
72.5	390.0	389.6	389.1	388.2	386.9	385.6	383.8	381.8	379.7	377.5
75.0	335.3	334.9	334.4	333.5	332.3	330.8	328.9	326.8	324.4	321.9
77.5	177.6	189.6	206.4	227.5	252.7	276.4	274.6	272.5	270.2	267.4
80.0	9.983	22.36	39.51	61.21	87.19	117.1	150.5	187.2	216.8	214.1
82.5	0	0	0	0	0	0	0	25.41	66.16	109.1
85.0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	150.0	155.0	160.0	165.0	170.0	175.0	180.0	185.0	190.0	195.0
0.0	1369	1369	1369	1369	1369	1369	1369	1369	1369	1369
2.5	1365	1365	1366	1366	1367	1367	1368	1367	1366	1365
5.0	1359	1360	1360	1361	1362	1363	1364	1363	1361	1359
7.5	1351	1352	1352	1353	1355	1356	1358	1355	1352	1350
10.0	1341	1341	1342	1343	1344	1346	1348	1345	1342	1339
12.5	1329	1329	1329	1330	1332	1334	1336	1332	1328	1325
15.0	1314	1314	1314	1315	1316	1318	1321	1316	1312	1308
17.5	1298	1297	1296	1297	1298	1300	1303	1297	1293	1289
20.0	1280	1278	1276	1276	1277	1279	1283	1276	1271	1267
22.5	1260	1256	1254	1253	1253	1256	1260	1252	1247	1243
25.0	1238	1233	1229	1228	1227	1230	1234	1226	1220	1217
27.5	1215	1208	1203	1200	1199	1201	1205	1197	1191	1188
30.0	1183	1181	1174	1170	1168	1170	1175	1166	1160	1157
32.5	1147	1152	1144	1138	1135	1136	1141	1132	1126	1124
35.0	1109	1113	1111	1104	1100	1100	1105	1095	1090	1089
37.5	1070	1073	1077	1068	1063	1062	1067	1057	1052	1052
40.0	1030	1031	1036	1030	1023	1022	1027	1016	1012	1013
42.5	989.0	987.8	990.8	990.1	981.7	979.5	984.0	973.5	969.7	972.3
45.0	947.1	943.6	944.6	948.8	938.4	935.0	939.4	928.9	925.9	930.1
47.5	904.5	898.4	897.1	902.1	893.6	889.1	893.2	882.6	880.6	882.9
50.0	857.9	852.3	848.8	851.8	847.3	841.2	844.9	834.5	833.9	831.7
52.5	805.3	805.9	799.7	800.4	799.6	791.5	794.7	784.5	785.7	779.9
55.0	752.9	755.4	750.1	747.5	749.8	740.3	743.6	733.1	734.9	726.4
57.5	700.7	700.4	699.7	694.0	698.2	688.0	690.6	680.7	683.5	672.5
60.0	649.0	645.7	647.6	640.7	642.3	634.8	636.4	627.4	627.2	618.8
62.5	597.8	591.5	590.4	587.2	585.7	580.7	581.6	573.2	570.6	565.1
65.0	542.3	538.4	533.9	534.6	528.8	526.2	526.0	518.6	513.8	511.7
67.5	484.7	485.0	478.7	477.5	472.6	471.4	470.0	463.7	457.6	455.3
70.0	428.6	426.9	425.0	419.9	417.0	416.8	413.5	409.2	402.1	397.8
72.5	374.0	370.3	369.1	363.6	362.4	361.9	357.5	354.6	348.3	342.5
75.0	319.4	315.7	311.7	309.1	304.1	303.7	302.3	297.5	292.6	289.8
77.5	264.5	261.5	256.6	251.1	244.8	243.9	247.5	241.9	237.4	234.4

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-10-09

g Range: 0 - 90DEG
 g Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity: 65.0%
 Test Distance: 13.533m [K=1.0000]
 Remarks: IL-P195K4N

Photometric Data Table [cd]

80.0	211.1	207.2	202.4	194.7	187.4	181.5	191.3	185.9	183.9	180.5
82.5	153.4	154.7	149.2	141.3	129.7	118.4	129.5	129.0	128.7	128.4
85.0	0	44.65	89.53	91.05	78.40	59.72	66.46	74.39	78.15	78.34
87.5	0	0	0	0	30.62	19.62	10.10	27.79	28.52	0
90.0	0	0	0	0	0	0	0.4960	0	0	0
G/C	200.0	205.0	210.0	215.0	220.0	225.0	230.0	235.0	240.0	245.0
0.0	1369	1369	1369	1369	1369	1369	1369	1369	1369	1369
2.5	1364	1364	1363	1362	1361	1361	1360	1360	1359	1359
5.0	1358	1356	1355	1354	1353	1352	1351	1350	1349	1349
7.5	1348	1346	1344	1343	1342	1341	1340	1339	1338	1338
10.0	1336	1334	1332	1331	1329	1329	1328	1327	1327	1327
12.5	1322	1320	1318	1317	1316	1315	1315	1315	1315	1315
15.0	1305	1303	1302	1301	1300	1300	1301	1301	1302	1303
17.5	1286	1284	1283	1283	1283	1284	1286	1287	1287	1284
20.0	1265	1263	1263	1264	1265	1267	1266	1261	1258	1255
22.5	1241	1240	1241	1243	1246	1240	1235	1232	1229	1226
25.0	1215	1215	1217	1220	1214	1208	1204	1201	1199	1197
27.5	1187	1189	1192	1186	1180	1175	1172	1170	1169	1168
30.0	1157	1160	1158	1151	1145	1142	1139	1138	1138	1138
32.5	1125	1129	1120	1114	1110	1107	1106	1106	1107	1108
35.0	1092	1089	1081	1075	1073	1072	1072	1074	1069	1065
37.5	1056	1047	1040	1036	1035	1036	1036	1029	1025	1021
40.0	1014	1004	998.2	996.1	996.6	995.8	989.5	984.4	980.9	978.0
42.5	967.5	959.3	955.5	955.1	955.3	948.0	943.0	939.4	936.6	934.6
45.0	920.3	913.7	911.8	913.6	905.8	900.1	896.5	894.1	892.3	891.2
47.5	871.9	867.4	867.4	863.0	856.1	851.9	849.9	848.7	848.0	847.7
50.0	822.7	820.2	819.9	811.5	806.5	803.7	802.9	803.3	800.3	795.9
52.5	772.7	772.6	766.3	760.1	756.8	755.7	756.0	751.1	746.4	742.6
55.0	722.3	721.0	713.0	708.8	707.4	707.0	700.8	696.9	692.6	689.4
57.5	671.1	665.5	659.7	657.7	657.5	650.9	645.7	642.1	638.9	636.3
60.0	618.6	610.2	607.0	607.4	600.5	595.2	591.1	587.9	585.4	583.4
62.5	561.3	555.5	555.0	549.9	544.3	540.1	536.8	534.3	532.2	530.5
65.0	504.6	502.1	499.1	493.1	488.6	485.5	483.0	480.7	477.9	475.5
67.5	449.3	448.5	441.7	437.1	433.9	431.4	428.4	425.5	423.0	420.7
70.0	395.5	390.6	385.6	382.3	379.6	376.3	373.5	370.7	368.4	366.1
72.5	340.2	334.5	331.0	328.0	324.8	321.8	319.0	316.3	313.9	311.6
75.0	284.0	280.2	277.2	273.8	270.7	267.8	264.9	262.2	259.7	257.3
77.5	230.3	227.0	223.7	220.6	217.5	214.4	211.3	208.3	189.8	170.6
80.0	177.9	174.5	171.4	168.3	165.0	141.2	113.4	88.02	65.48	45.92
82.5	126.3	123.6	116.8	82.71	50.03	19.17	0	0	0	0
85.0	70.44	34.44	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	250.0	255.0	260.0	265.0	270.0	275.0	280.0	285.0	290.0	295.0
0.0	1369	1369	1369	1369	1369	1369	1369	1369	1369	1369
2.5	1359	1358	1358	1358	1358	1358	1358	1358	1358	1359
5.0	1348	1348	1347	1347	1347	1347	1347	1347	1347	1348
7.5	1337	1337	1337	1336	1336	1336	1336	1336	1336	1336
10.0	1326	1326	1326	1326	1325	1325	1325	1325	1324	1324
12.5	1315	1315	1315	1315	1314	1314	1314	1313	1313	1312
15.0	1303	1304	1304	1304	1304	1303	1302	1301	1300	1299
17.5	1281	1279	1278	1276	1276	1276	1276	1277	1278	1279
20.0	1253	1251	1250	1249	1248	1248	1248	1249	1249	1251
22.5	1225	1223	1222	1221	1221	1221	1220	1220	1221	1222
25.0	1196	1195	1194	1194	1193	1193	1192	1192	1192	1192
27.5	1167	1167	1166	1166	1166	1165	1164	1164	1163	1163
30.0	1138	1138	1138	1138	1138	1137	1136	1135	1134	1133
32.5	1104	1101	1099	1097	1097	1096	1096	1098	1100	1102
35.0	1061	1059	1057	1056	1055	1054	1055	1055	1057	1059
37.5	1019	1017	1015	1014	1013	1013	1013	1013	1014	1015
40.0	976.1	974.5	973.3	972.4	971.9	970.9	970.5	970.6	970.7	971.5
42.5	933.4	932.3	931.5	930.8	930.3	929.2	928.5	928.2	927.6	927.6
45.0	890.5	890.1	889.7	889.2	888.8	887.5	886.6	885.6	884.6	883.8
47.5	844.9	841.9	839.4	837.7	836.9	836.1	836.3	837.2	838.7	840.2
50.0	792.1	789.4	787.3	785.8	785.0	784.2	784.3	784.8	786.1	788.0
52.5	739.4	737.1	735.3	734.0	733.1	732.4	732.4	732.5	733.5	734.9
55.0	686.7	684.7	683.2	682.1	681.2	680.6	680.4	680.4	681.0	682.0
57.5	634.1	632.5	631.1	630.2	629.3	628.8	628.4	628.3	628.6	629.3
60.0	581.6	580.2	579.1	578.3	577.4	576.9	576.5	576.3	576.4	576.7
62.5	528.1	526.3	524.8	523.7	522.9	522.5	522.3	522.5	523.2	524.2
65.0	473.3	471.6	470.2	469.1	468.3	467.9	467.8	468.0	468.6	469.4
67.5	418.7	417.0	415.6	414.5	413.8	413.4	413.3	413.5	414.0	414.9
70.0	364.1	362.4	361.0	359.9	359.2	358.9	358.8	359.1	359.7	360.5

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-10-09

g Range: 0 - 90DEG
 g Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity: 65.0%
 Test Distance: 13.533m [K=1.0000]
 Remarks: IL-P195K4N

Photometric Data Table [cd]

72.5	309.6	307.9	306.4	305.3	304.7	304.4	304.4	304.7	305.4	306.4
75.0	255.2	253.4	251.8	250.8	250.1	249.9	250.0	250.5	251.3	252.4
77.5	154.6	142.0	132.7	127.1	125.1	126.6	131.7	140.3	152.1	167.0
80.0	29.60	16.74	7.463	1.868	0	1.861	7.405	16.54	29.12	44.93
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	300.0	305.0	310.0	315.0	320.0	325.0	330.0	335.0	340.0	345.0
0.0	1369	1369	1369	1369	1369	1369	1369	1369	1369	1369
2.5	1359	1359	1360	1360	1361	1361	1362	1363	1363	1364
5.0	1348	1349	1349	1350	1351	1352	1353	1354	1355	1357
7.5	1336	1337	1338	1338	1339	1340	1342	1343	1345	1347
10.0	1324	1324	1325	1325	1326	1327	1328	1330	1332	1334
12.5	1311	1311	1311	1311	1311	1312	1313	1314	1316	1319
15.0	1298	1297	1296	1295	1294	1295	1295	1297	1299	1302
17.5	1282	1282	1280	1278	1277	1276	1276	1277	1278	1281
20.0	1253	1255	1259	1260	1257	1255	1255	1255	1256	1258
22.5	1223	1225	1228	1232	1237	1233	1231	1230	1231	1233
25.0	1193	1194	1196	1200	1204	1210	1206	1204	1204	1206
27.5	1162	1163	1164	1166	1170	1175	1180	1176	1175	1176
30.0	1132	1131	1131	1132	1134	1139	1145	1146	1144	1144
32.5	1100	1099	1097	1097	1098	1101	1106	1114	1111	1109
35.0	1062	1066	1063	1062	1061	1063	1067	1073	1076	1073
37.5	1018	1021	1027	1026	1023	1023	1026	1031	1039	1035
40.0	973.0	975.7	979.7	985.3	985.1	982.9	983.8	987.8	995.7	995.1
42.5	928.3	930.0	932.8	937.1	943.6	942.2	941.1	943.1	949.4	953.5
45.0	883.7	884.1	885.6	888.8	893.8	901.0	897.5	897.7	902.2	910.4
47.5	838.8	838.2	838.6	840.1	843.7	850.0	853.7	851.4	853.8	862.5
50.0	790.8	792.4	791.5	791.6	793.7	798.0	805.9	804.1	804.1	811.3
52.5	737.2	740.4	744.6	743.2	743.5	746.1	751.7	756.0	754.2	758.9
55.0	683.7	686.2	689.6	694.2	693.4	694.2	697.1	704.4	703.7	706.0
57.5	630.5	632.2	634.8	638.3	643.1	642.5	643.6	648.5	653.2	652.7
60.0	577.4	578.7	580.3	582.9	586.6	591.5	590.5	593.0	600.9	599.1
62.5	524.7	525.4	526.4	528.1	530.9	534.8	538.2	538.4	543.3	545.9
65.0	470.7	472.2	473.0	474.1	475.8	478.5	482.8	484.8	486.7	493.2
67.5	416.0	417.4	418.9	420.7	421.8	423.7	426.4	431.4	431.5	437.2
70.0	361.6	363.0	364.5	366.3	368.4	369.7	371.6	374.7	378.1	380.2
72.5	307.5	309.0	310.6	312.3	314.3	316.5	318.3	320.0	323.7	325.5
75.0	253.7	255.4	257.2	259.1	261.0	263.1	265.6	267.4	269.4	273.2
77.5	184.8	202.1	204.2	206.4	208.7	210.9	213.2	215.7	217.6	219.7
80.0	63.75	85.34	109.3	135.3	157.1	159.6	162.1	164.4	166.9	168.3
82.5	0	0	0	18.35	47.55	77.95	109.0	114.8	117.0	118.8
85.0	0	0	0	0	0	0	0	31.66	63.75	70.75
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	350.0	355.0								
0.0	1369	1369								
2.5	1365	1366								
5.0	1359	1360								
7.5	1349	1352								
10.0	1337	1340								
12.5	1322	1326								
15.0	1305	1310								
17.5	1285	1290								
20.0	1262	1268								
22.5	1237	1243								
25.0	1209	1215								
27.5	1179	1185								
30.0	1147	1153								
32.5	1112	1118								
35.0	1075	1081								
37.5	1036	1042								
40.0	994.8	1000								
42.5	952.0	956.9								
45.0	907.3	911.4								
47.5	861.0	864.4								
50.0	813.2	815.7								
52.5	764.1	765.3								
55.0	713.5	712.5								
57.5	661.7	659.8								
60.0	605.6	606.1								
62.5	549.3	551.8								

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-10-09

g Range: 0 - 90DEG
 g Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity: 65.0%
 Test Distance: 13.533m [K=1.0000]
 Remarks: IL-P195K4N

Photometric Data Table [cd]

65.0	493.0	497.0
67.5	437.7	442.3
70.0	383.4	388.1
72.5	330.8	334.0
75.0	276.0	278.4
77.5	221.8	224.4
80.0	170.2	171.4
82.5	117.9	116.9
85.0	69.78	63.23
87.5	23.22	20.94
90.0	0	0

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-10-09

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.286
Humidity: 65.0%
Test Distance: 13.533m [K=1.0000]
Remarks: IL-P195K4N