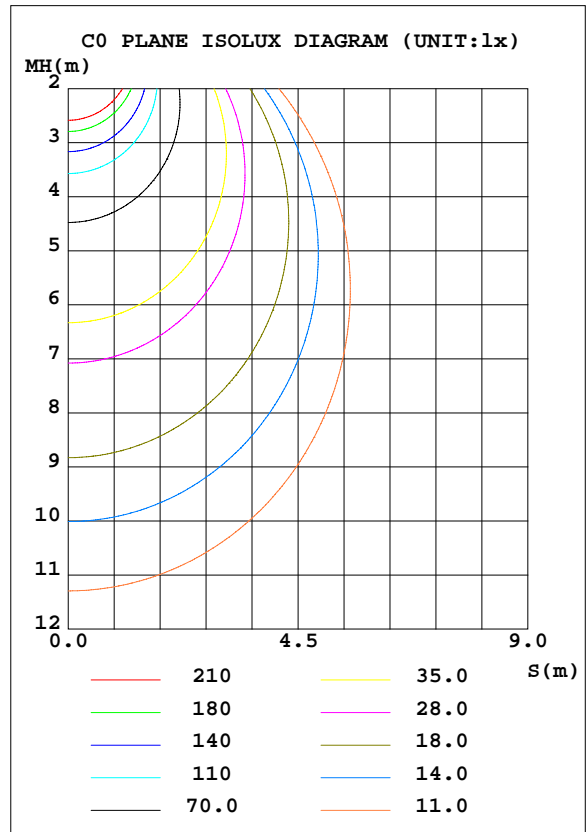
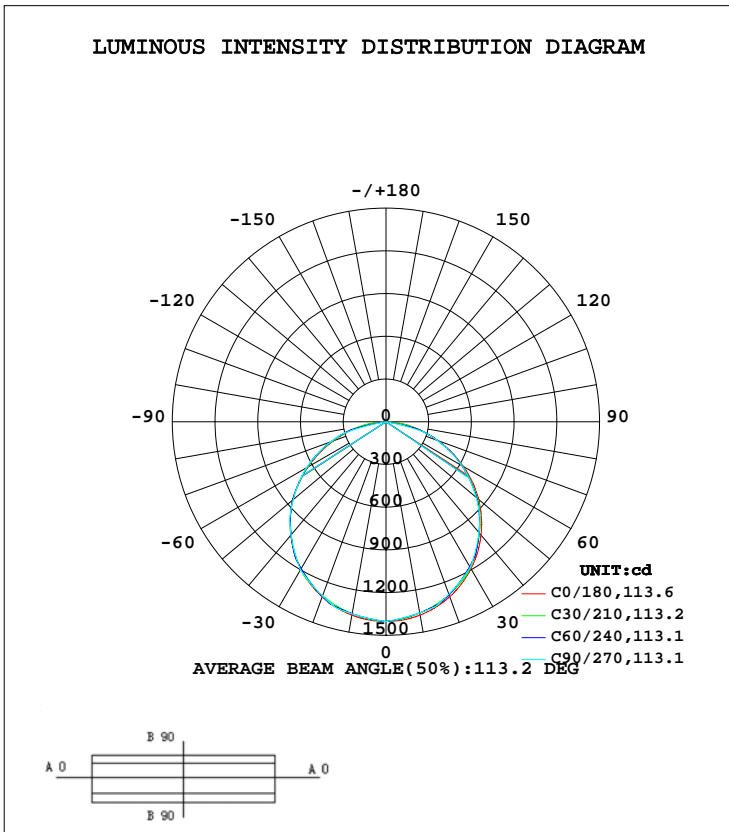


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.28V I:0.1341A P:30.185W PF:0.9771 Freq:49.99Hz Lamp Flux:3982.89x1 lm		
NAME: IL-P595K4N	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:550*550	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 131.95 lm/W			
MODEL	IL-P595K4N	I <sub>max</sub> (cd)	1403	S/MH(C0/180)	1.27
NOMINAL POWER(W)	32	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	3982.9	η UP, DN(C0-180)	0.0,49.5
NOMINAL FLUX(lm)	3982.89	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,50.5
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230	η down(%)	100.0	CIBSE SHR MAX	1.35



H(β) Range:-90 - 90DEG  
 H(β) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2020-04-28

V(B) Range:-75 - 75DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:8.240m [K=1.0000]  
 Remarks: IL-P595K4N

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

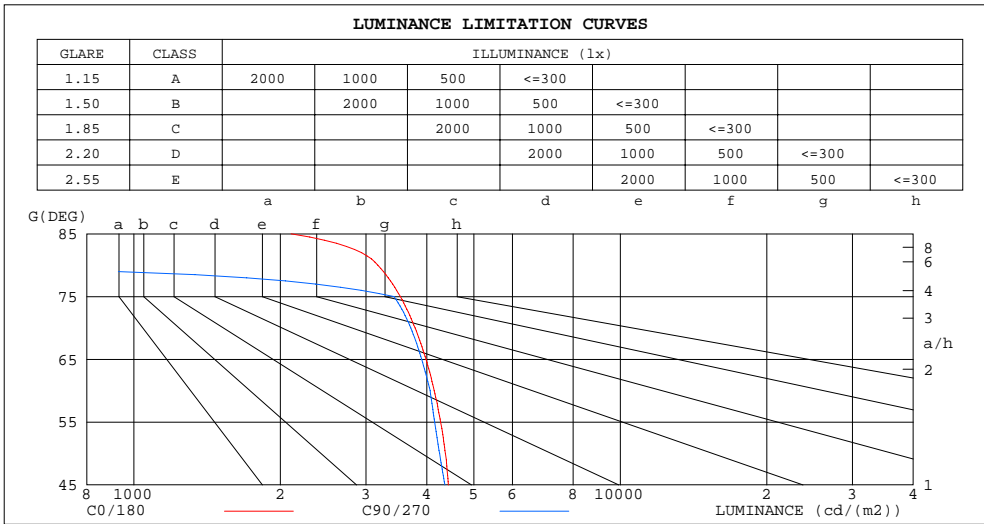
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum,lamp
10	1379	1363	1363	1363	1379	1368	1370	1367	0- 10	131.9	131.9	3.31,3.31
20	1308	1301	1290	1302	1309	1311	1302	1309	10- 20	378.4	510.3	12.8,12.8
30	1193	1174	1182	1176	1195	1188	1200	1186	20- 30	574.6	1085	27.2,27.2
40	1039	1027	1016	1028	1041	1044	1038	1043	30- 40	696.0	1781	44.7,44.7
50	849.5	830.2	826.4	833.1	852.3	851.1	851.8	847.6	40- 50	725.5	2506	62.9,62.9
60	626.8	614.9	614.7	617.9	629.0	637.3	642.5	633.4	50- 60	658.3	3165	79.5,79.5
70	391.6	385.6	383.7	387.3	395.1	407.3	414.2	404.2	60- 70	505.9	3671	92.2,92.2
80	166.7	138.9	0	141.0	170.9	157.3	0	153.9	70- 80	282.1	3953	99.2,99.2
90	2.478	0	0	0	3.538	0	0	0	80- 90	30.25	3983	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2020-04-28

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
Humidity:65.0%  
Test Distance:8.240m [K=1.0000]  
Remarks: IL-P595K4N

LUMINANCE LIMITATION CURVES

Test:U:230.28V I:0.1341A P:30.185W PF:0.9771 Freq:49.99Hz Lamp Flux:3982.89x1 lm		
NAME: IL-P595K4N	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:550*550	Shielding Angle:



LUMINANCE cd/(m2)		
G( DEG)	C0/180	C90/270
85	2105	0
80	3174	0
75	3531	3426
70	3785	3709
65	3987	3905
60	4144	4064
55	4270	4153
50	4369	4250
45	4433	4358

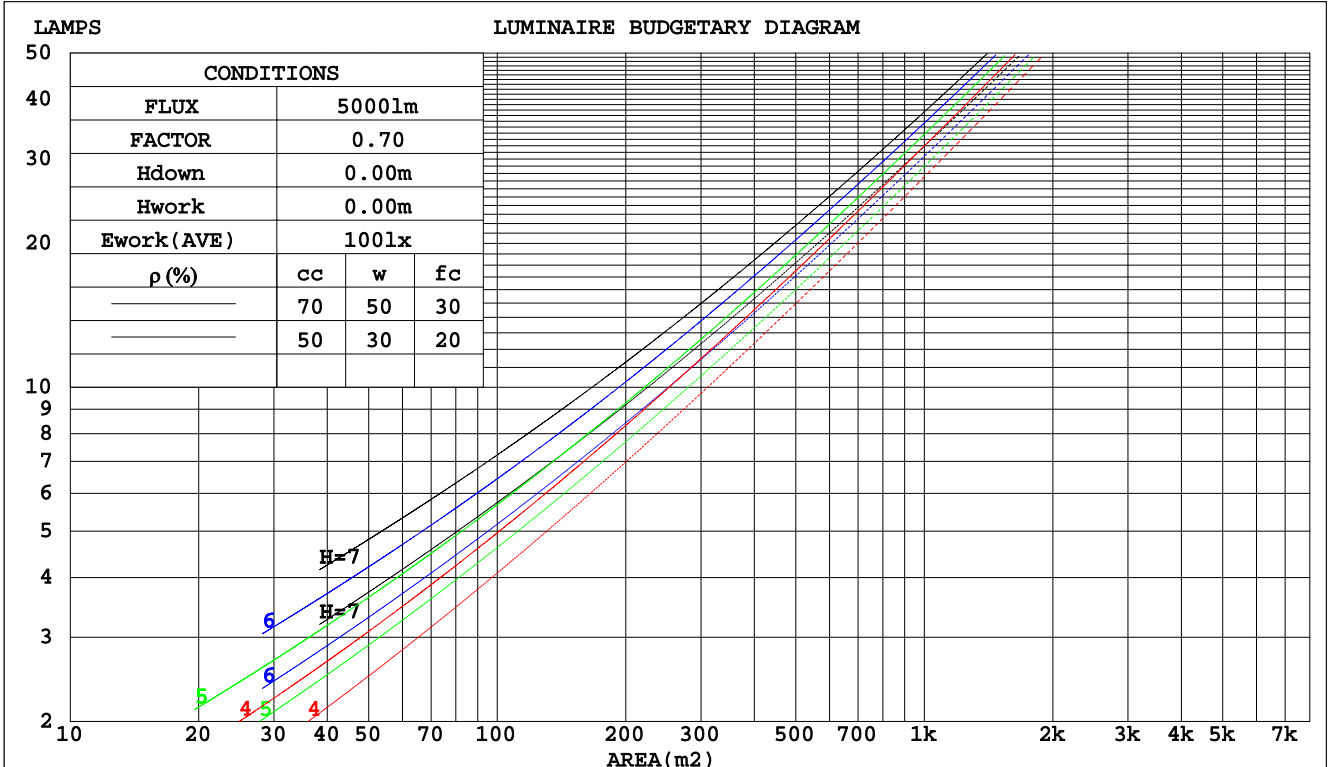
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2020-04-28

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
Humidity:65.0%  
Test Distance:8.240m [K=1.0000]  
Remarks: IL-P595K4N

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.28V I:0.1341A P:30.185W PF:0.9771 Freq:49.99Hz Lamp Flux:3982.89x1 lm		
NAME: IL-P595K4N	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:550*550	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio      Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.04	1.00	.96	1.02	.98	.95	.98	.95	.92	.94	.91	.89	.90	.88	.86	.84
2.0	.91	.84	.78	.89	.83	.78	.85	.80	.76	.82	.78	.74	.79	.76	.72	.70
3.0	.80	.72	.65	.78	.71	.64	.75	.69	.63	.72	.67	.62	.70	.65	.61	.59
4.0	.71	.62	.55	.69	.61	.55	.67	.60	.54	.64	.58	.53	.62	.57	.52	.50
5.0	.63	.54	.47	.62	.53	.47	.60	.52	.46	.58	.51	.46	.56	.50	.45	.43
6.0	.57	.48	.41	.56	.47	.41	.54	.46	.41	.52	.45	.40	.51	.45	.40	.38
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.41	.36	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.43	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.29	.42	.34	.29	.41	.34	.29	.40	.33	.29	.39	.33	.29	.27
10.0	.40	.32	.26	.39	.31	.26	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24



H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2020-04-28

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
Humidity:65.0%  
Test Distance:8.240m [K=1.0000]  
Remarks: IL-P595K4N

WEC AND CCEC

Test:U:230.28V I:0.1341A P:30.185W PF:0.9771 Freq:49.99Hz Lamp Flux:3982.89x1 lm		
NAME: IL-P595K4N	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:550*550	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.300	.170	.054	.293	.167	.053	.280	.160	.051	.267	.154	.049	.256	.149	.048	
2.0	.287	.157	.048	.281	.155	.048	.269	.150	.047	.259	.145	.045	.249	.141	.044	
3.0	.268	.142	.043	.262	.140	.042	.252	.137	.041	.242	.133	.041	.234	.129	.040	
4.0	.248	.129	.038	.243	.127	.038	.234	.124	.037	.225	.121	.037	.217	.118	.036	
5.0	.230	.117	.034	.225	.116	.034	.217	.113	.033	.210	.111	.033	.203	.108	.033	
6.0	.213	.107	.031	.209	.106	.030	.202	.104	.030	.195	.102	.030	.189	.100	.030	
7.0	.199	.098	.028	.195	.097	.028	.189	.095	.027	.183	.094	.027	.177	.092	.027	
8.0	.186	.091	.025	.182	.090	.025	.177	.088	.025	.171	.087	.025	.166	.085	.025	
9.0	.174	.084	.023	.171	.083	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023	
10.0	.164	.078	.022	.161	.078	.022	.156	.077	.022	.152	.075	.021	.148	.074	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	.099	.147	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.164	.114	.075	.141	.099	.065	.097	.068	.045	.056	.040	.027	.018	.013	.009	
4.0	.157	.101	.059	.134	.087	.051	.092	.061	.036	.053	.036	.021	.017	.012	.007	
5.0	.149	.091	.047	.128	.078	.041	.088	.055	.029	.051	.032	.017	.016	.010	.006	
6.0	.142	.082	.039	.122	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.135	.075	.033	.116	.065	.029	.080	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.129	.070	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.014	.008	.004	
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	

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2020-04-28

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
Humidity:65.0%  
Test Distance:8.240m [K=1.0000]  
Remarks: IL-P595K4N

UGR(Unified Glare Rating) Table

Test:U:230.28V I:0.1341A P:30.185W PF:0.9771 Freq:49.99Hz Lamp Flux:3982.89x1 lm										
NAME: IL-P595K4N					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: EVERFINE					SUR.:550*550			Shielding 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	17.9	19.4	18.2	19.6	19.8	17.8	19.4	18.1	19.6	19.8
3H	19.4	20.8	19.7	21.1	21.3	19.4	20.8	19.7	21.0	21.3
4H	20.0	21.4	20.3	21.6	21.9	20.0	21.3	20.3	21.6	21.8
6H	20.4	21.7	20.7	21.9	22.2	20.0	21.3	20.4	21.6	21.8
8H	20.5	21.7	20.8	22.0	22.3	20.0	21.2	20.3	21.5	21.8
12H	20.5	21.7	20.9	22.0	22.3	19.9	21.1	20.3	21.4	21.7
4H 2H	18.5	19.8	18.8	20.1	20.4	18.5	19.8	18.8	20.1	20.3
3H	20.2	21.4	20.6	21.7	22.0	20.2	21.4	20.5	21.6	22.0
4H	20.9	22.0	21.3	22.3	22.7	20.9	22.0	21.3	22.3	22.6
6H	21.4	22.3	21.8	22.7	23.1	21.0	22.0	21.4	22.3	22.7
8H	21.5	22.4	21.9	22.8	23.1	21.0	21.8	21.4	22.2	22.6
12H	21.6	22.4	22.0	22.8	23.2	20.9	21.7	21.3	22.1	22.5
8H 4H	21.2	22.1	21.6	22.4	22.8	21.2	22.0	21.6	22.4	22.8
6H	21.8	22.5	22.3	23.0	23.4	21.3	22.1	21.8	22.5	22.9
8H	22.0	22.7	22.5	23.1	23.5	21.3	21.9	21.7	22.4	22.8
12H	22.1	22.7	22.6	23.1	23.6	21.3	21.8	21.7	22.2	22.7
12H 4H	21.2	22.0	21.6	22.4	22.8	21.2	22.0	21.6	22.4	22.8
6H	21.8	22.5	22.3	22.9	23.3	21.3	22.0	21.8	22.4	22.9
8H	22.0	22.6	22.5	23.0	23.5	21.3	21.9	21.8	22.3	22.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.3				
1.5H	+ 0.2 / - 0.2					+ 0.1 / - 0.3				
2.0H	+ 0.3 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117, 3983 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 4.8)

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2020-04-28

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
Humidity:65.0%  
Test Distance:8.240m [K=1.0000]  
Remarks: IL-P595K4N

UTILIZATION FACTORS TABLE

Test:U:230.28V I:0.1341A P:30.185W PF:0.9771 Freq:49.99Hz Lamp Flux:3982.89x1 lm		
NAME: IL-P595K4N	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:550*550	Shielding Angle:

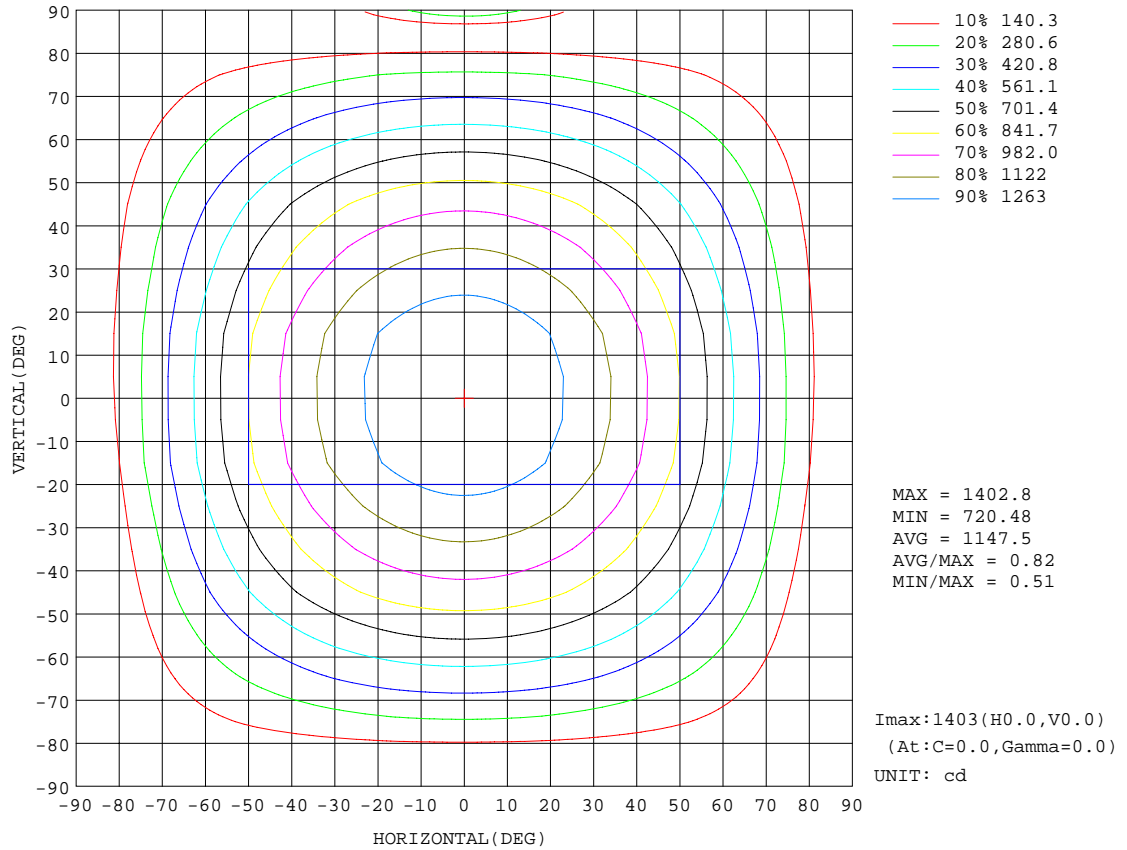
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	46	39	57	46	39	56	45	39	32
0.80	68	56	49	67	56	49	65	55	48	41
1.00	76	65	58	75	64	58	73	66	57	50
1.25	83	73	66	82	72	65	79	71	65	57
1.50	88	79	72	87	78	71	84	76	70	63
2.00	95	87	80	93	86	80	90	83	78	70
2.50	99	92	86	97	90	85	93	88	83	75
3.00	103	96	90	100	94	89	96	91	87	79
4.00	107	101	97	104	99	95	100	96	93	84
5.00	109	104	100	107	102	99	102	99	96	87
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2020-04-28

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
Humidity:65.0%  
Test Distance:8.240m [K=1.0000]  
Remarks: IL-P595K4N

ISOCANDELA DIAGRAM

Test:U:230.28V I:0.1341A P:30.185W PF:0.9771 Freq:49.99Hz Lamp Flux:3982.89x1 lm		
NAME: IL-P595K4N	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:550*550	Shielding Angle:



H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2020-04-28

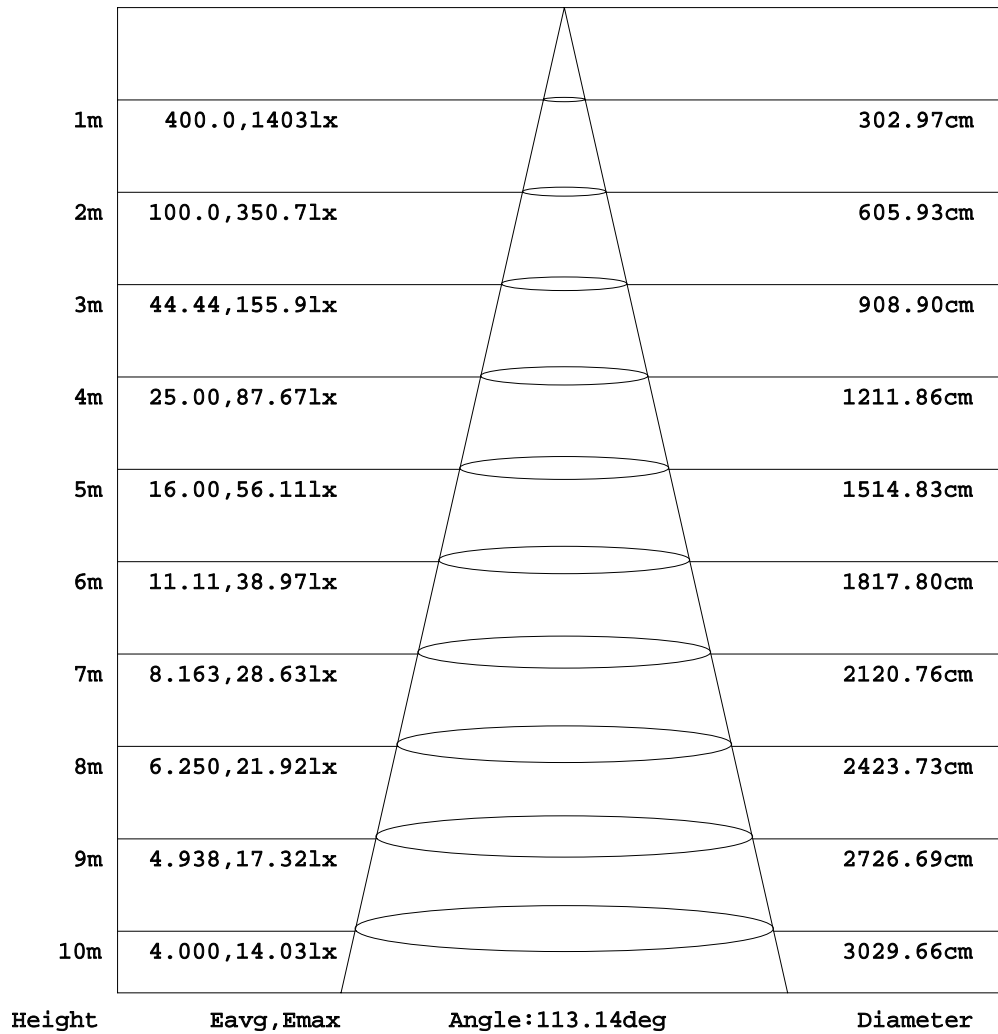
V(B) Range:-75 - 75DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:8.240m [K=1.0000]  
 Remarks: IL-P595K4N



**AAI Figure**

Test:U:230.28V I:0.1341A P:30.185W PF:0.9771 Freq:49.99Hz Lamp Flux:3982.89x1 lm		
NAME: IL-P595K4N	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:550*550	Shielding Angle:

Flux out:2980 lm



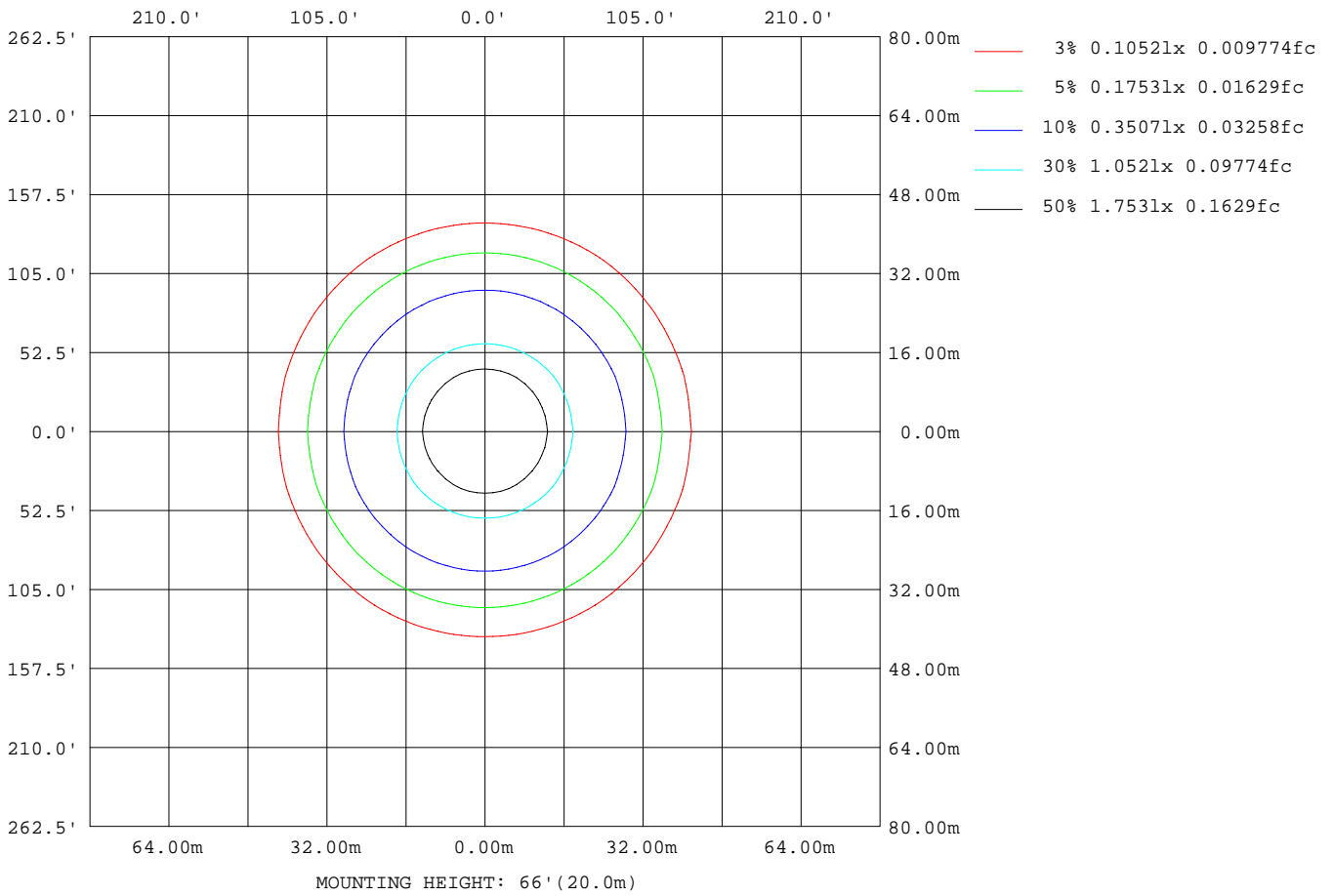
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2020-04-28

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
Humidity:65.0%  
Test Distance:8.240m [K=1.0000]  
Remarks: IL-P595K4N

**ISOLUX DIAGRAM**

Test:U:230.28V I:0.1341A P:30.185W PF:0.9771 Freq:49.99Hz Lamp Flux:3982.89x1 lm		
NAME: IL-P595K4N	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:550*550	Shielding Angle:



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2020-04-28

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
Humidity:65.0%  
Test Distance:8.240m [K=1.0000]  
Remarks: IL-P595K4N

LED Avg.L Report

Test:U:230.28V I:0.1341A P:30.185W PF:0.9771 Freq:49.99Hz Lamp Flux:3982.89x1 lm		
NAME: IL-P595K4N	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:550*550	Shielding Angle:

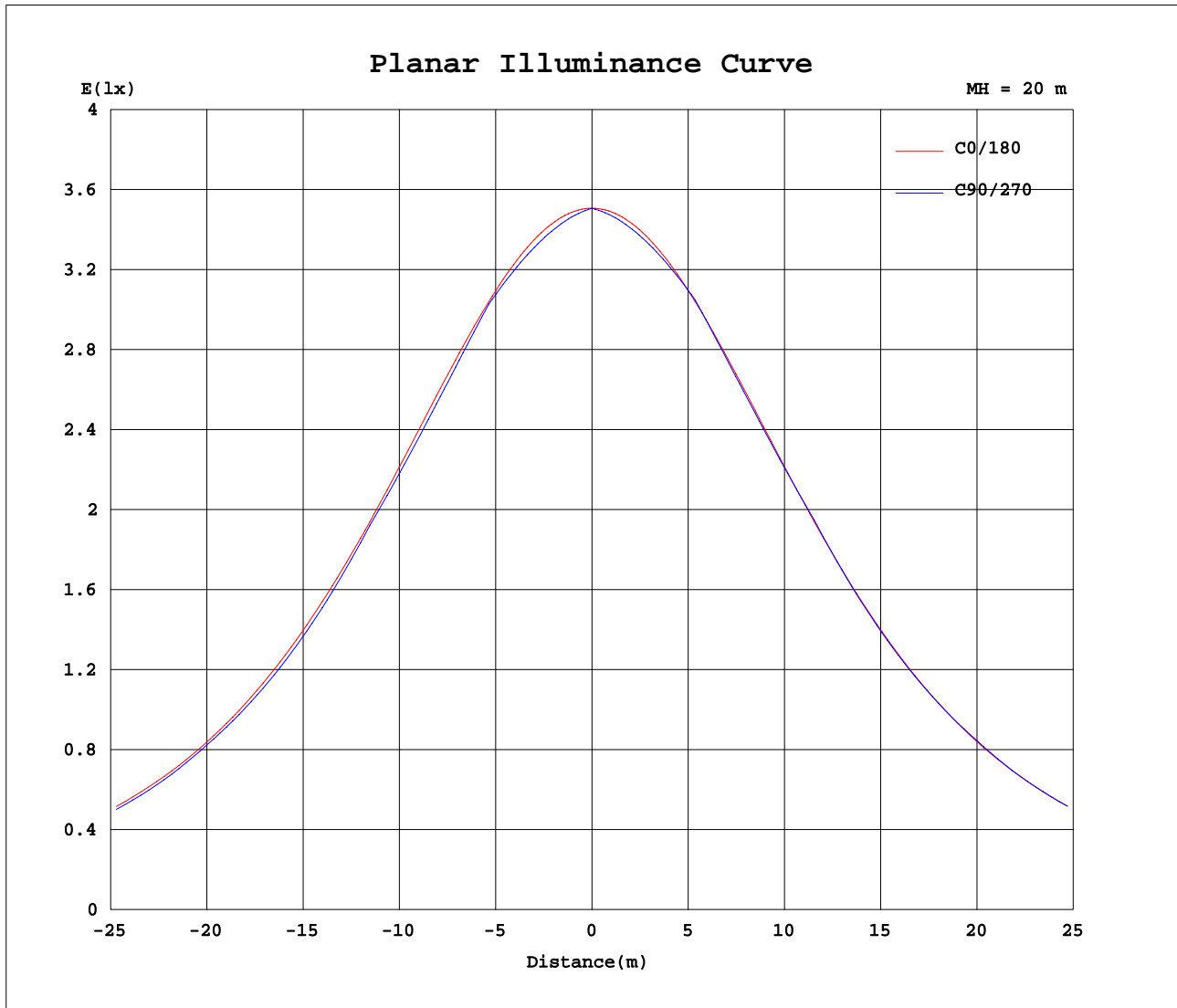
AvgL	cd/m2
L_0~180(65)av	3997
L_0~180(75)av	3552
L_0~180(85)av	1990
L_90~270(65)av	4019
L_90~270(75)av	3629
L_90~270(85)av	0
L_45(65)av	4000
L_45(75)av	3590
L_45(85)av	0

Standard: GB/T 29293-2012

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2020-04-28

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
Humidity:65.0%  
Test Distance:8.240m [K=1.0000]  
Remarks: IL-P595K4N

Planar Illuminance Curve



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2020-04-28

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
Humidity:65.0%  
Test Distance:8.240m [K=1.0000]  
Remarks: IL-P595K4N

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.28V I:0.1341A P:30.185W PF:0.9771 Freq:49.99Hz Lamp Flux:3982.89x1 lm		
NAME: IL-P595K4N	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:550*550	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403
5	1397	1395	1393	1392	1391	1389	1388	1387	1386	1386	1385	1385	1384	1384	1383	1383	1383	1383	1383
10	1379	1375	1372	1370	1368	1366	1365	1364	1363	1363	1363	1362	1362	1363	1363	1363	1363	1363	1363
15	1349	1344	1340	1337	1335	1334	1333	1333	1333	1334	1335	1337	1338	1340	1341	1342	1343	1343	1344
20	1308	1302	1297	1294	1293	1292	1293	1295	1297	1301	1300	1297	1294	1293	1292	1291	1290	1290	1290
25	1256	1249	1244	1241	1241	1242	1245	1250	1245	1241	1238	1237	1236	1235	1235	1236	1236	1236	1236
30	1193	1185	1180	1179	1180	1184	1184	1179	1175	1174	1174	1174	1175	1177	1178	1180	1181	1182	1182
35	1121	1112	1107	1108	1112	1111	1105	1102	1102	1104	1106	1110	1106	1104	1101	1100	1099	1099	1099
40	1039	1029	1026	1028	1030	1024	1022	1022	1026	1027	1022	1019	1017	1016	1015	1015	1015	1015	1016
45	948	938	936	942	935	932	934	939	933	929	927	926	927	927	929	930	931	932	932
50	850	840	840	840	835	837	840	834	831	830	831	833	833	830	828	827	827	826	826
55	741	731	735	730	731	735	729	727	729	731	727	724	722	721	721	720	720	720	721
60	627	618	621	617	622	616	616	620	617	615	614	614	613	613	614	614	614	615	615
65	510	503	502	506	501	501	502	500	500	501	502	504	502	501	500	500	499	499	499
70	392	387	386	384	385	384	384	385	386	386	386	386	385	385	385	384	384	384	384
75	276	270	264	261	263	266	271	271	271	270	270	269	269	269	270	269	269	268	268
80	167	139	132	140	148	156	159	160	160	139	113	89.3	67.3	47.8	31.3	17.8	7.96	2.00	0.00
85	55.5	45.4	46.2	49.4	49.7	27.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	2.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2020-04-28

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
Humidity:65.0%  
Test Distance:8.240m [K=1.0000]  
Remarks: IL-P595K4N

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.28V I:0.1341A P:30.185W PF:0.9771 Freq:49.99Hz Lamp Flux:3982.89x1 lm		
NAME: IL-P595K4N	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:550*550	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403
5	1383	1383	1383	1384	1384	1384	1385	1385	1386	1387	1388	1389	1390	1391	1392	1394	1395	1397	1396
10	1363	1363	1363	1363	1363	1363	1363	1363	1363	1364	1365	1366	1367	1369	1371	1373	1376	1379	1376
15	1344	1343	1343	1342	1340	1339	1338	1336	1335	1335	1334	1334	1335	1336	1338	1341	1345	1349	1346
20	1290	1291	1291	1292	1294	1296	1298	1302	1302	1299	1297	1295	1294	1294	1296	1299	1303	1309	1304
25	1236	1236	1236	1236	1236	1237	1238	1240	1243	1247	1253	1248	1245	1243	1243	1246	1250	1257	1252
30	1182	1181	1180	1179	1178	1176	1175	1175	1176	1178	1181	1187	1187	1183	1182	1183	1187	1195	1189
35	1099	1100	1101	1102	1104	1107	1110	1107	1105	1104	1105	1109	1115	1115	1111	1110	1114	1123	1116
40	1016	1016	1016	1016	1017	1018	1020	1023	1028	1027	1024	1024	1027	1035	1032	1029	1032	1041	1034
45	932	932	931	930	929	928	928	929	931	935	941	936	936	940	948	941	942	950	944
50	827	827	828	830	832	835	836	834	833	833	836	842	840	840	846	845	844	852	846
55	721	721	721	722	723	725	727	730	734	732	730	732	737	734	735	741	736	743	738
60	615	615	615	615	615	615	616	616	618	621	624	620	620	625	621	626	623	629	625
65	499	500	501	502	502	504	505	504	503	503	504	506	505	503	508	506	508	512	510
70	384	384	385	386	386	387	387	387	387	388	387	386	385	384	381	384	394	395	396
75	268	269	270	271	270	271	271	272	272	273	273	271	266	260	255	254	268	280	281
80	2.00	7.98	17.9	31.4	48.2	67.9	90.2	115	141	162	163	162	157	149	138	129	132	171	170
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.9	52.3	50.9	44.8	40.1	49.4	67.8
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.54	0.00

H(β) Range:-90 - 90DEG  
 H(β) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2020-04-28

V(B) Range:-75 - 75DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:8.240m [K=1.0000]  
 Remarks: IL-P595K4N

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.28V I:0.1341A P:30.185W PF:0.9771 Freq:49.99Hz Lamp Flux:3982.89x1 lm		
NAME: IL-P595K4N	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:550*550	Shielding Angle:

Table--3

UNIT: cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403
5	1394	1393	1392	1391	1390	1389	1389	1388	1388	1387	1387	1387	1387	1386	1386	1386	1386	1386	1386
10	1374	1372	1371	1370	1369	1368	1368	1368	1368	1368	1369	1369	1369	1369	1370	1370	1370	1370	1369
15	1343	1341	1339	1339	1339	1340	1341	1342	1344	1345	1347	1349	1350	1352	1353	1353	1353	1353	1352
20	1301	1299	1298	1299	1301	1304	1307	1311	1311	1308	1307	1305	1304	1303	1303	1302	1302	1302	1302
25	1248	1247	1248	1251	1256	1261	1257	1254	1252	1250	1250	1250	1250	1251	1251	1251	1251	1251	1251
30	1186	1186	1189	1195	1196	1192	1189	1188	1188	1190	1191	1194	1196	1198	1199	1200	1200	1200	1199
35	1114	1116	1123	1123	1119	1116	1117	1119	1123	1127	1125	1122	1121	1120	1119	1119	1119	1119	1119
40	1033	1038	1043	1037	1035	1037	1042	1044	1040	1038	1037	1037	1037	1037	1038	1038	1038	1037	1037
45	945	954	948	946	948	955	950	948	947	948	949	951	953	954	956	956	956	956	955
50	849	853	848	851	855	851	850	851	854	857	857	855	854	853	852	852	852	852	852
55	746	742	743	749	745	746	750	753	750	749	748	747	747	747	747	747	747	747	746
60	631	628	634	631	634	640	639	637	637	638	639	640	641	641	642	642	642	642	641
65	511	515	513	517	520	519	520	523	525	528	528	528	529	529	529	529	528	528	528
70	394	395	400	400	400	403	405	407	409	411	412	413	415	415	414	414	414	414	414
75	280	284	283	285	287	289	291	293	294	296	297	299	301	301	301	300	300	300	299
80	174	173	174	176	178	179	180	157	128	101	76.0	54.0	35.2	20.0	8.93	2.24	0.00	2.23	8.89
85	68.0	68.5	65.4	34.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2020-04-28

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
Humidity:65.0%  
Test Distance:8.240m [K=1.0000]  
Remarks: IL-P595K4N

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.28V I:0.1341A P:30.185W PF:0.9771 Freq:49.99Hz Lamp Flux:3982.89x1 lm		
NAME: IL-P595K4N	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:550*550	Shielding Angle:

Table--4

UNIT: cd

C( DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403				
5	1386	1386	1387	1387	1387	1387	1388	1389	1389	1390	1391	1392	1393	1394	1395				
10	1369	1369	1368	1368	1368	1367	1367	1367	1368	1368	1369	1370	1372	1374	1376				
15	1351	1350	1348	1346	1344	1343	1341	1339	1338	1338	1338	1338	1340	1342	1345				
20	1303	1303	1304	1305	1307	1309	1309	1305	1302	1299	1297	1297	1297	1299	1303				
25	1250	1250	1249	1249	1249	1250	1251	1254	1258	1253	1249	1246	1245	1246	1250				
30	1197	1195	1193	1191	1188	1187	1186	1187	1189	1193	1192	1186	1183	1183	1187				
35	1119	1120	1122	1124	1126	1122	1118	1115	1114	1115	1119	1118	1113	1111	1114				
40	1036	1036	1035	1036	1037	1039	1043	1040	1035	1032	1033	1038	1034	1029	1031				
45	953	951	949	947	945	945	946	948	953	946	942	943	948	940	940				
50	852	852	853	854	854	850	848	847	848	853	847	844	847	844	842				
55	746	745	745	745	745	747	749	745	742	741	746	740	737	740	734				
60	640	639	638	636	635	634	633	634	635	629	627	631	624	625	620				
65	527	527	526	526	526	523	519	516	515	515	511	509	511	505	504				
70	413	413	411	410	408	406	404	402	399	396	394	393	391	390	389				
75	299	299	296	294	293	291	289	287	285	283	280	278	277	277	274				
80	19.9	34.9	53.4	75.1	99.4	126	154	176	175	173	171	170	168	167	166				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.5	60.8	63.8	64.1	62.4				
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2020-04-28

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
Humidity:65.0%  
Test Distance:8.240m [K=1.0000]  
Remarks: IL-P595K4N