

APPLICATION FOR TEST REPORT

On Behalf of

Interlight Enjoy Innovation B.V.

Easy Fit Plus LED Panel

Model No.: IL-P195K4U

Prepared for : Interlight Enjoy Innovation B.V.
Smalriemseweg 6,4112 NC Beusichem,The Netherlands

Prepared By : Shenzhen TCT Testing Technology Co., Ltd.
1B/F., Building 1, Yibaolai Industrial Park, Qiaotou, Fuyong,
Baoan District, Shenzhen, Guangdong, China

Date of Test: Jan. 25, to Feb. 11, 2019

Date of Report: Feb. 11, 2019

Report Number: TCT190125S020

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Test Report
IESNA LM 79: 2008
ELECTRICAL AND PHOTOMETRIC MEASUREMENTS OF SOLID-STATE LIGHTING PRODUCTS

Report reference No TCT190125S020

Tested by (+ signature) Moon Ding

Approved by (+ signature) Thomas

Date of issue Feb. 11, 2019



Testing Laboratory Name Shenzhen TCT Testing Technology Co., Ltd.

Address 1B/F., Building 1, Yibaolai Industrial Park, Qiaotou, Fuyong, Baoan District, Shenzhen, Guangdong, China

Testing location CBTL CCATL SMT TMP

Address Same as above.


Applicant's Name..... Interlight Enjoy Innovation B.V.

Address Smalriemseweg 6,4112 NC Beusichem, The Netherlands

Manufacturer GMIL584

Address IAGFC2129

Test item description Easy Fit Plus LED Panel

Trademark 

Model and/or type reference IL-P195K4U

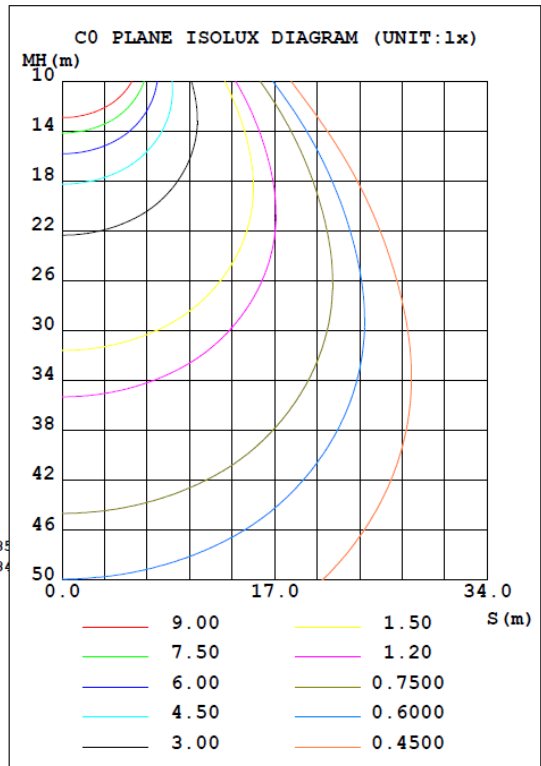
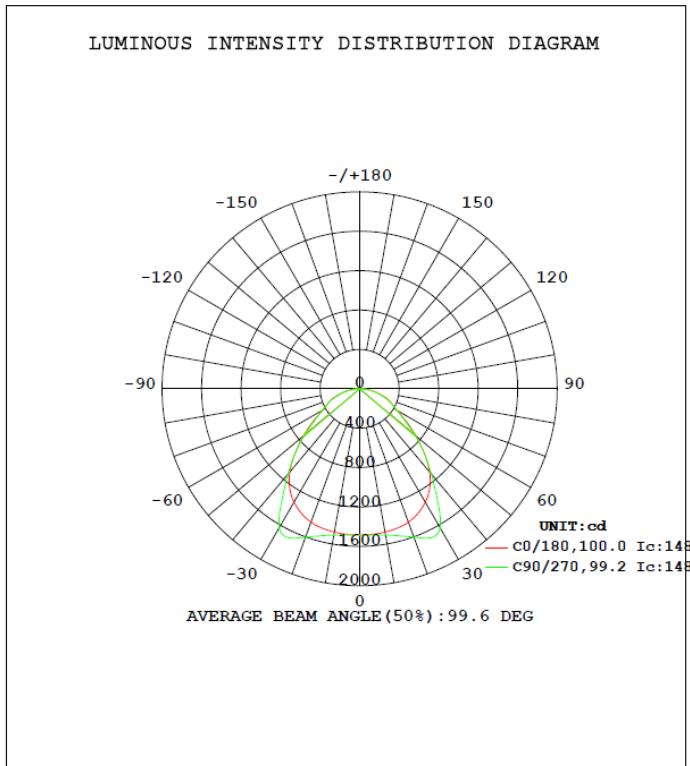
Rating 220-240VAC, 50/60Hz, 35W

IES LM-79-08			
Clause	Requirement – Test	Measuring result – Remark	Verdict
2.0	Ambient Conditions		P
2.1	General		P
2.2	Air Temperature		P
2.3	Thermal Condition for Mounting SSL Products		P
2.4	Air Movement		P
3.0	Power Supply Characteristics		P
3.1	Waveshape of AC power supply		P
3.2	Voltage regulation		P
4.0	Seasoning of SSL Product		N/A
	No seasoning of SSL product		P
5.0	Stabilisation of SSL Product		P
	SSL product has sufficiently satbilised before measurment		P
6.0	Operation Orientation		P
	SSL product shall be stabilized and measured in intended operating orientation	As normal working	P
7.0	Electrical Settings		P
	SSL product shall be operated at rated voltage		P
	SSL product with dimming capability are tested at maximum input power condition		N/A
	SSL product with different modes are measured in all relvant modes		N/A
8.0	Electrical Instrumenttions		P
8.1	Circuits		P
8.2	Uncertainties		N/A
9.0	Testmethodes for Luminous Flux measurment		P
9.1	Integrating sphere with a spectroradiometer (Sphere-spectroradiometer system)		N/A
9.2	Integrating sphere with a photometer head (Sphere-photometer system)		N/A
9.3	Goniophotometer		P
10.0	Luminous Intensity Distribution		P
	Reporting acc. to IEC LM-63		P
11.0	Luminous Efficay		P
	Calculation		P
12.0	Test Methodes for Color Characteristics of SSL Products		P
	Measurments		P
13.0	Uncertainty statement		N/A

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.3V I:0.1624A P:34.68W PF:0.9692 Freq:50.00Hz Lamp Flux:3900.14x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 112.46 lm/W
MODEL	IL-P195K4U	I _{max} (cd)	1679	S/MH (C0/180)	1.31	
NOMINAL POWER (W)	35	LOR (%)	100.0	S/MH (C90/270)	1.35	
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	3900.1	η UP, DN (C0-180)	0.1, 49.9	
NOMINAL FLUX (lm)	3900.14	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.1, 49.9	
LAMPS INSIDE	1	η up (%)	0.1	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)	220	η down (%)	99.9	CIBSE SHR MAX	1.35	



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Wilson
 Test Date: 2019-01-22

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity: 60.5%
 Test Distance: 2.718m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	φ zone	φ total	%lum,lamp
5	1483	1486	1490	1486	1483	1486	1490	1486	0- 5	35.51	35.51	0.91,0.91
10	1477	1492	1508	1492	1477	1492	1508	1492	5- 10	106.5	142.0	3.64,3.64
15	1464	1501	1545	1501	1464	1501	1545	1501	10- 15	177.6	319.7	8.2,8.2
20	1441	1512	1603	1512	1441	1512	1603	1512	15- 20	248.9	568.6	14.6,14.6
25	1395	1512	1670	1512	1395	1512	1670	1512	20- 25	319.1	887.7	22.8,22.8
30	1329	1471	1627	1471	1329	1471	1627	1471	25- 30	381.0	1269	32.5,32.5
35	1235	1340	1370	1340	1235	1340	1370	1340	30- 35	412.8	1682	43.1,43.1
40	1101	1121	1130	1121	1101	1121	1130	1121	35- 40	406.3	2088	53.5,53.5
45	925.0	910.0	922.7	910.0	925.0	910.0	922.7	910.0	40- 45	377.9	2466	63.2,63.2
50	742.8	728.8	726.5	728.8	742.8	728.8	726.5	728.8	45- 50	334.7	2800	71.8,71.8
55	574.4	532.1	551.8	532.1	574.4	532.1	551.8	532.1	50- 55	280.9	3081	79,79
60	434.5	356.4	435.4	356.4	434.5	356.4	435.4	356.4	55- 60	224.5	3306	84.8,84.8
65	358.8	243.7	357.8	243.7	358.8	243.7	357.8	243.7	60- 65	175.7	3482	89.3,89.3
70	296.3	195.4	278.8	195.4	296.3	195.4	278.8	195.4	65- 70	141.2	3623	92.9,92.9
75	216.9	176.4	203.4	176.4	216.9	176.4	203.4	176.4	70- 75	112.5	3735	95.8,95.8
80	141.2	127.9	136.2	127.9	141.2	127.9	136.2	127.9	75- 80	86.58	3822	98,98
85	60.96	65.35	67.64	65.35	60.96	65.35	67.64	65.35	80- 85	55.70	3878	99.4,99.4
90	0.7214	2.207	4.517	2.207	0.7214	2.207	4.517	2.207	85- 90	17.38	3895	99.9,99.9
95	0.1413	0.1389	0.1496	0.1389	0.1413	0.1389	0.1496	0.1389	90- 95	0.1991	3895	99.9,99.9
100	0.1611	0.1644	0.2111	0.1644	0.1611	0.1644	0.2111	0.1644	95-100	0.0851	3895	99.9,99.9
105	0.1823	0.1988	0.2668	0.1988	0.1823	0.1988	0.2668	0.1988	100-105	0.1025	3895	99.9,99.9
110	0.2085	0.2465	0.3370	0.2465	0.2085	0.2465	0.3370	0.2465	105-110	0.1268	3895	99.9,99.9
115	0.2619	0.3272	0.4410	0.3272	0.2619	0.3272	0.4410	0.3272	110-115	0.1577	3896	99.9,99.9
120	0.3444	0.4467	0.5843	0.4467	0.3444	0.4467	0.5843	0.4467	115-120	0.2006	3896	99.9,99.9
125	0.4357	0.6386	0.7548	0.6386	0.4357	0.6386	0.7548	0.6386	120-125	0.2518	3896	99.9,99.9
130	0.5401	0.8227	0.9347	0.8227	0.5401	0.8227	0.9347	0.8227	125-130	0.2993	3896	99.9,99.9
135	0.7584	1.049	1.101	1.049	0.7584	1.049	1.101	1.049	130-135	0.3495	3897	99.9,99.9
140	1.069	1.383	1.500	1.383	1.069	1.383	1.500	1.383	135-140	0.4311	3897	99.9,99.9
145	1.403	1.627	1.882	1.627	1.403	1.627	1.882	1.627	140-145	0.4983	3898	99.9,99.9
150	1.465	1.687	2.208	1.687	1.465	1.687	2.208	1.687	145-150	0.5150	3898	99.9,99.9
155	1.841	2.289	2.230	2.289	1.841	2.289	2.230	2.289	150-155	0.5185	3899	100,100
160	2.141	2.620	2.585	2.620	2.141	2.620	2.585	2.620	155-160	0.4880	3899	100,100
165	2.351	2.754	2.782	2.754	2.351	2.754	2.782	2.754	160-165	0.4258	3900	100,100
170	2.496	2.557	2.651	2.557	2.496	2.557	2.651	2.557	165-170	0.3132	3900	100,100
175	2.582	2.593	2.503	2.593	2.582	2.593	2.503	2.593	170-175	0.1843	3900	100,100
180	2.652	2.362	2.141	2.362	2.652	2.362	2.141	2.362	175-180	0.0596	3900	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2465.7 lm

%lum = 63.2%
%lamp = 63.2%

Conical surface Flux(120deg): 3305.8 lm

%lum = 84.8%
%lamp = 84.8%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2019-01-22

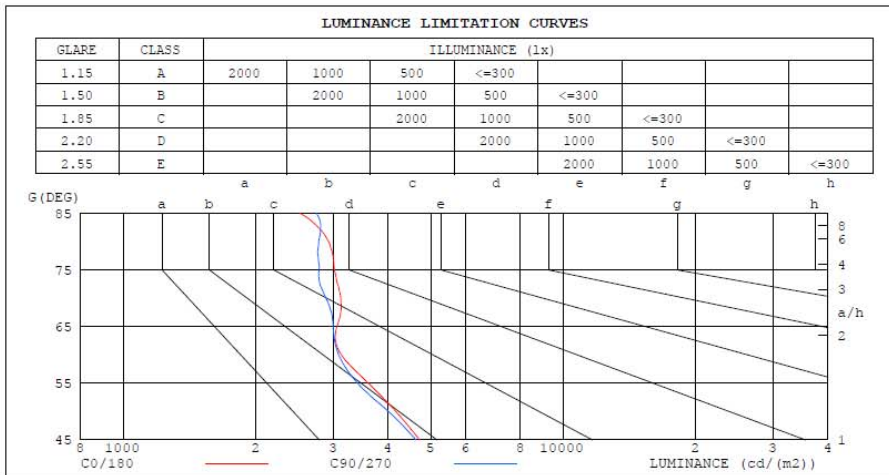
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

LUMINANCE LIMITATION CURVES

Test:U:220.3V I:0.1624A P:34.68W PF:0.9692 Freq:50.00Hz Lamp Flux:3900.14x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2521	2753
80	2931	2781
75	3021	2788
70	3123	2892
65	3061	3002
60	3133	3089
55	3610	3412
50	4165	4009
45	4716	4628

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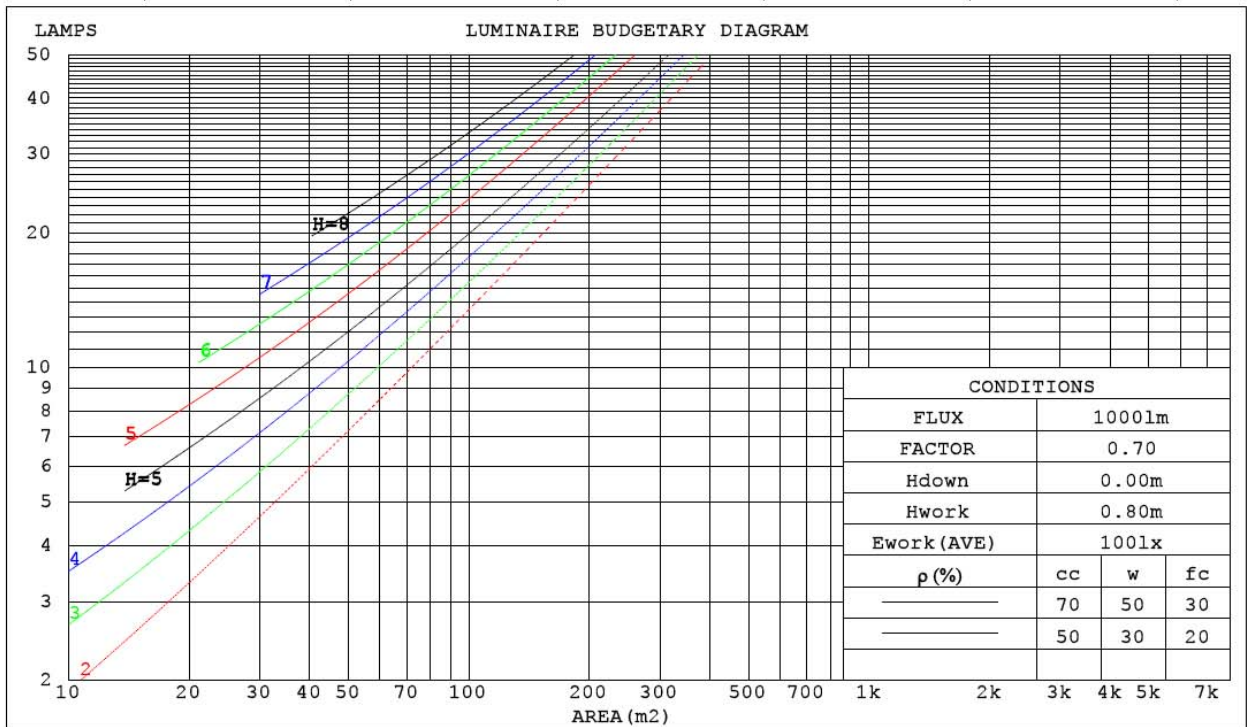
Checker: Near Gao

Assessor: Akin Xu

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.3V I:0.1624A P:34.68W PF:0.9692 Freq:50.00Hz Lamp Flux:3900.14x1 lm					
NAME: 1		TYPE:		WEIGHT:	
SPEC.:		DIM.:		SERIAL No.:	
MFR.:		SUR.:		Shielding Angle:	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pf	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	.00
1.0	1.05	1.01	.98	1.03	.99	.96	.99	.96	.93	.95	.92	.90	.91	.89	.87	.85
2.0	.93	.87	.81	.91	.85	.80	.88	.83	.78	.84	.80	.77	.81	.78	.75	.73
3.0	.83	.75	.69	.81	.74	.68	.78	.72	.67	.75	.70	.66	.73	.69	.65	.63
4.0	.74	.66	.59	.73	.65	.59	.70	.63	.58	.68	.62	.57	.66	.61	.57	.55
5.0	.67	.58	.52	.65	.57	.52	.63	.56	.51	.61	.55	.50	.60	.54	.50	.48
6.0	.60	.52	.46	.59	.51	.46	.58	.50	.45	.56	.50	.45	.54	.49	.44	.42
7.0	.55	.47	.41	.54	.46	.41	.53	.45	.40	.51	.45	.40	.50	.44	.40	.38
8.0	.50	.42	.37	.50	.42	.36	.48	.41	.36	.47	.41	.36	.46	.40	.36	.34
9.0	.46	.38	.33	.46	.38	.33	.45	.38	.33	.43	.37	.33	.42	.37	.32	.31
10.0	.43	.35	.30	.42	.35	.30	.41	.34	.30	.40	.34	.30	.39	.34	.30	.28



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Wilson
 Test Date:2019-01-22

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity:60.5%
 Test Distance:2.718m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

WEC AND CCEC

Test:U:220.3V I:0.1624A P:34.68W PF:0.9692 Freq:50.00Hz Lamp Flux:3900.14x1 lm						
NAME: 1			TYPE:		WEIGHT:	
SPEC.:			DIM.:		SERIAL No.:	
MFR.:			SUR.:		Shielding Angle:	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.284	.162	.051	.277	.158	.050	.264	.152	.048	.252	.145	.047	.241	.140	.045	
2.0	.268	.147	.045	.261	.144	.044	.250	.139	.043	.239	.134	.042	.229	.130	.041	
3.0	.249	.133	.040	.244	.131	.039	.234	.127	.038	.224	.123	.038	.215	.119	.037	
4.0	.232	.120	.035	.227	.119	.035	.218	.115	.034	.209	.112	.034	.202	.110	.033	
5.0	.216	.110	.032	.211	.109	.032	.203	.106	.031	.196	.103	.031	.189	.101	.030	
6.0	.201	.101	.029	.198	.100	.029	.190	.098	.028	.184	.096	.028	.178	.093	.028	
7.0	.188	.093	.026	.185	.092	.026	.179	.090	.026	.173	.089	.026	.167	.087	.026	
8.0	.177	.086	.024	.174	.086	.024	.168	.084	.024	.163	.083	.024	.158	.081	.024	
9.0	.167	.081	.023	.164	.080	.022	.159	.079	.022	.154	.077	.022	.149	.076	.022	
10.0	.157	.075	.021	.155	.075	.021	.150	.074	.021	.146	.072	.021	.142	.071	.020	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.191	.191	.191	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.180	.157	.137	.154	.135	.118	.105	.093	.082	.060	.054	.048	.019	.017	.015	
2.0	.170	.133	.102	.146	.115	.088	.100	.079	.061	.058	.046	.036	.018	.015	.012	
3.0	.161	.115	.078	.138	.099	.068	.095	.069	.048	.055	.040	.028	.018	.013	.009	
4.0	.154	.102	.062	.132	.088	.054	.091	.061	.038	.052	.036	.022	.017	.012	.007	
5.0	.146	.091	.050	.125	.079	.044	.086	.055	.031	.050	.032	.018	.016	.011	.006	
6.0	.139	.083	.042	.120	.071	.037	.082	.050	.026	.048	.029	.015	.015	.010	.005	
7.0	.133	.076	.036	.114	.066	.031	.079	.046	.022	.046	.027	.013	.015	.009	.004	
8.0	.126	.070	.031	.109	.061	.027	.075	.042	.019	.044	.025	.011	.014	.008	.004	
9.0	.121	.065	.027	.104	.056	.024	.072	.040	.017	.042	.023	.010	.014	.008	.003	
10.0	.115	.061	.024	.099	.053	.021	.069	.037	.015	.040	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 22.5DEG
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Operators:Wilson
Test Date:2019-01-22

γ Range: 0 - 180DEG
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Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

UGR(Unified Glare Rating) Table

Test:U:220.3V I:0.1624A P:34.68W PF:0.9692 Freq:50.00Hz Lamp Flux:3900.14x1 lm										
NAME: 1					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.:					SUR.:			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	12.2	13.6	12.4	13.8	14.0	12.0	13.4	12.2	13.6	13.8
3H	13.3	14.7	13.6	14.9	15.1	13.1	14.4	13.4	14.6	14.8
4H	13.9	15.1	14.2	15.4	15.6	13.6	14.9	13.9	15.1	15.4
6H	14.4	15.6	14.7	15.9	16.1	14.1	15.3	14.4	15.5	15.8
8H	14.6	15.7	14.9	16.0	16.3	14.3	15.4	14.7	15.7	16.0
12H	14.7	15.8	15.1	16.1	16.4	14.5	15.6	14.8	15.8	16.1
4H 2H	12.4	13.6	12.7	13.9	14.1	12.2	13.4	12.5	13.7	13.9
3H	13.7	14.8	14.1	15.1	15.4	13.5	14.6	13.9	14.9	15.2
4H	14.5	15.4	14.8	15.8	16.1	14.2	15.2	14.6	15.5	15.9
6H	15.2	16.0	15.6	16.4	16.7	14.9	15.8	15.3	16.1	16.5
8H	15.4	16.3	15.9	16.6	17.0	15.2	16.0	15.6	16.4	16.8
12H	15.6	16.4	16.1	16.8	17.2	15.5	16.2	15.9	16.6	17.0
8H 4H	14.7	15.5	15.1	15.8	16.2	14.4	15.3	14.9	15.6	16.0
6H	15.6	16.2	16.0	16.6	17.1	15.3	16.0	15.8	16.4	16.8
8H	16.0	16.6	16.4	17.0	17.4	15.8	16.4	16.2	16.8	17.2
12H	16.3	16.8	16.8	17.2	17.7	16.1	16.6	16.6	17.1	17.6
12H 4H	14.7	15.4	15.1	15.8	16.2	14.5	15.2	14.9	15.6	16.0
6H	15.6	16.2	16.1	16.7	17.1	15.4	16.0	15.9	16.4	16.9
8H	16.1	16.6	16.6	17.1	17.5	15.9	16.4	16.4	16.9	17.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.3					+ 0.3 / - 0.3				
1.5H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
2.0H	+ 0.5 / - 0.4					+ 0.6 / - 0.5				

CIE Pub.117, 3900 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 4.7)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2019-01-22

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

UTILIZATION FACTORS TABLE

Test:U:220.3V I:0.1624A P:34.68W PF:0.9692 Freq:50.00Hz Lamp Flux:3900.14x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	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	63	52	46	62	52	45	61	51	45	39
0.80	73	62	55	72	62	55	70	61	55	48
1.00	81	71	64	79	70	64	77	71	63	57
1.25	87	78	71	86	77	71	83	76	70	64
1.50	92	83	77	90	82	76	87	80	75	68
2.00	98	90	85	96	89	84	93	87	82	75
2.50	101	94	89	99	93	88	96	90	86	78
3.00	104	98	93	102	96	92	98	94	90	82
4.00	108	103	98	105	101	97	101	97	94	86
5.00	110	105	102	107	103	100	103	100	97	88
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2019-01-22

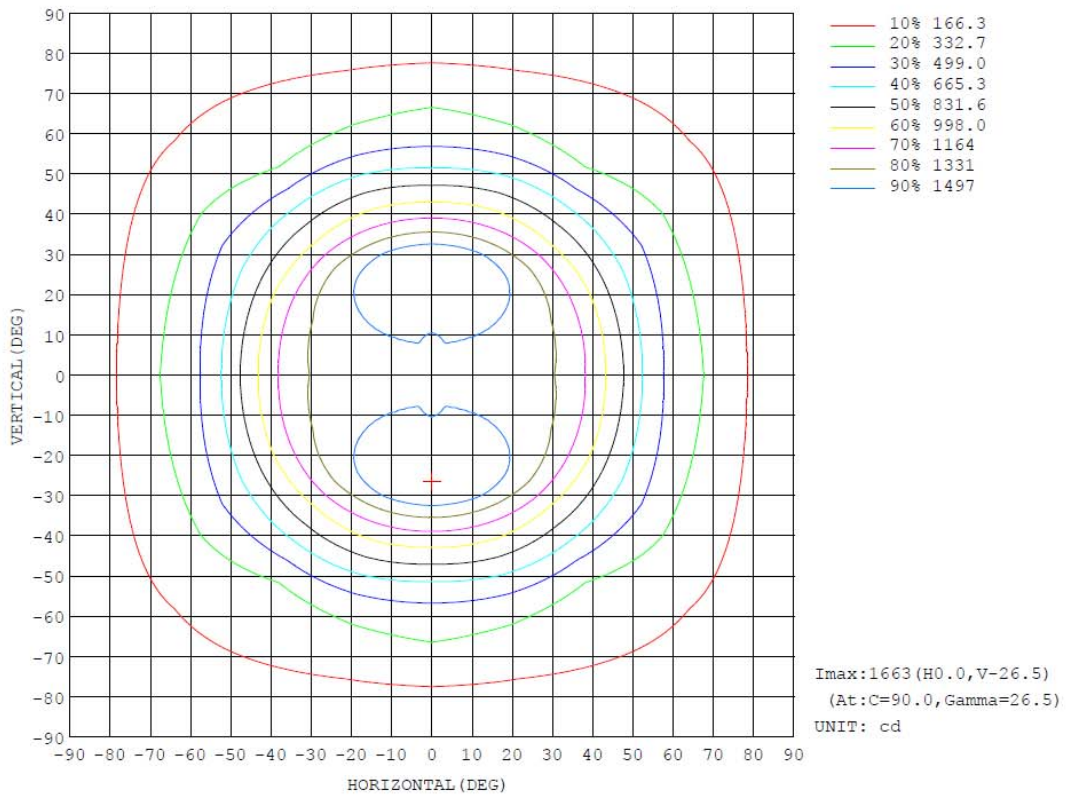
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

ISOCANDELA DIAGRAM

Test:U:220.3V I:0.1624A P:34.68W PF:0.9692 Freq:50.00Hz Lamp Flux:3900.14x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2019-01-22

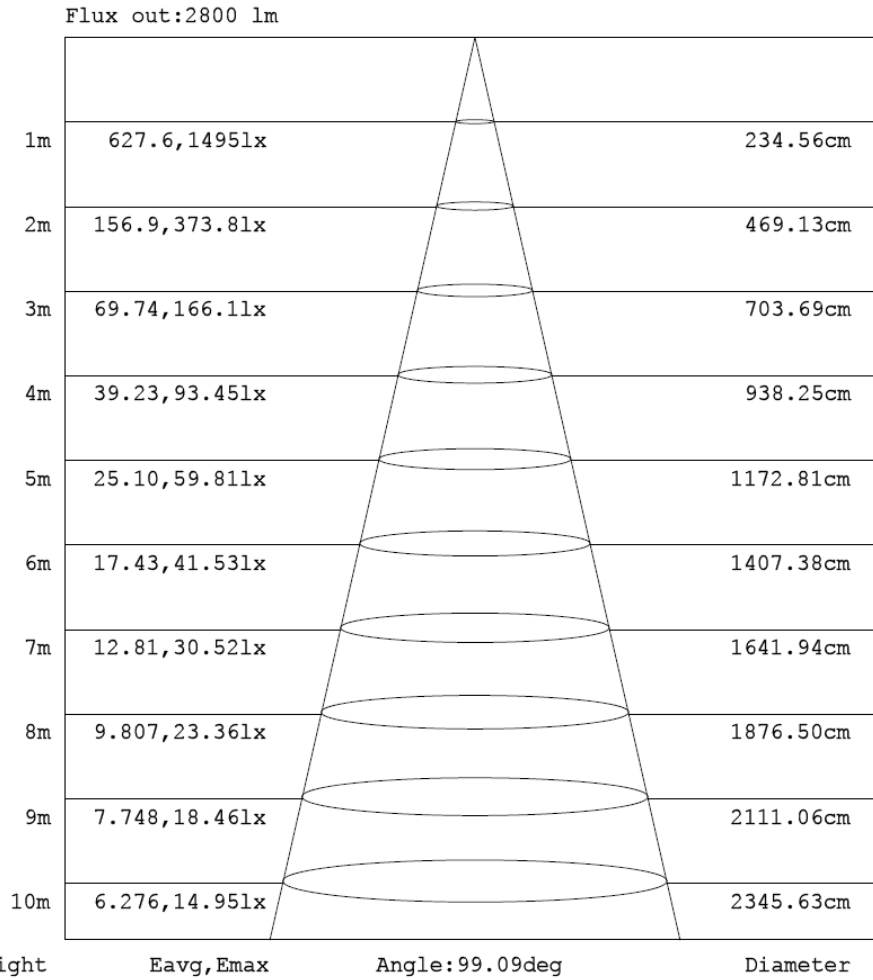
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

AAI Figure

Test:U:220.3V I:0.1624A P:34.68W PF:0.9692 Freq:50.00Hz Lamp Flux:3900.14x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Wilson
Test Date: 2019-01-22

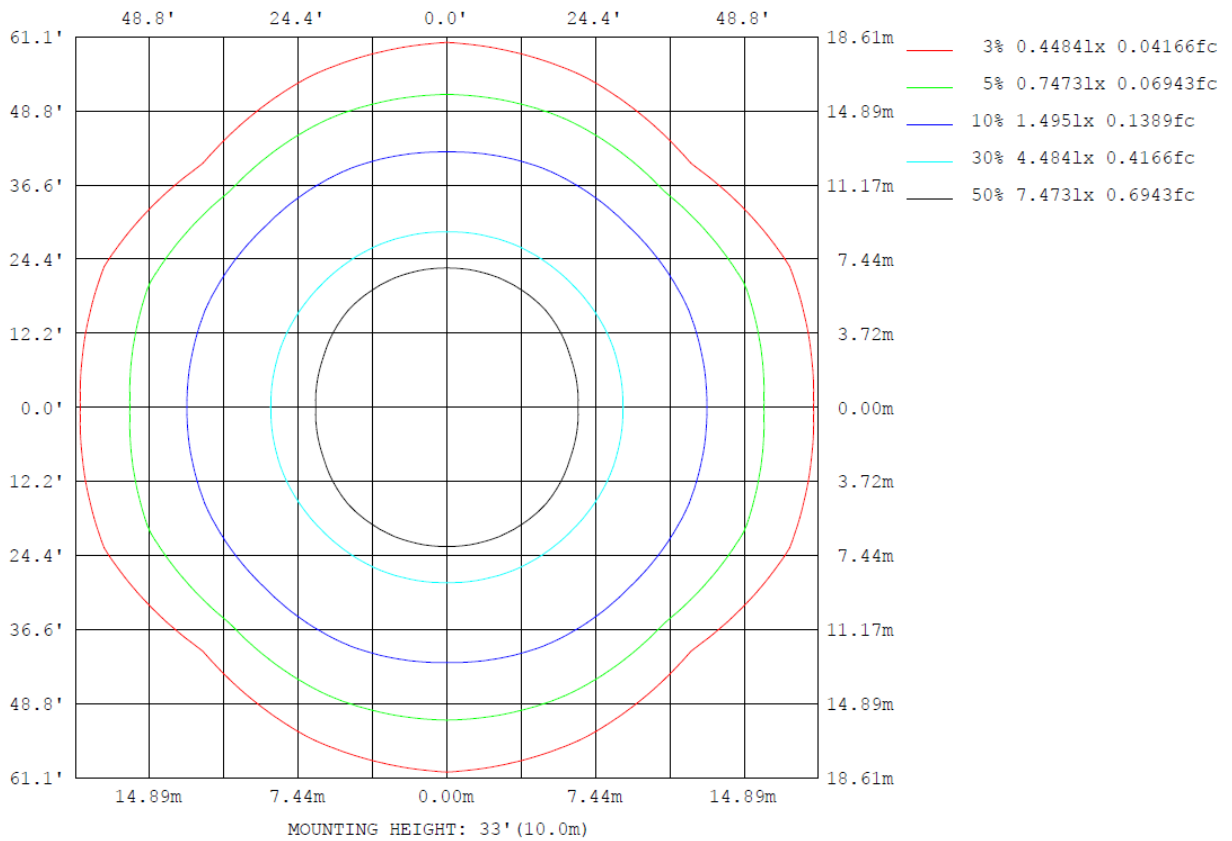
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity: 60.5%
Test Distance: 2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

ISOLUX DIAGRAM

Test:U:220.3V I:0.1624A P:34.68W PF:0.9692 Freq:50.00Hz Lamp Flux:3900.14x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Wilson
 Test Date: 2019-01-22

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity: 60.5%
 Test Distance: 2.718m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

LED Avg.L Report

Test:U:220.3V I:0.1624A P:34.68W PF:0.9692 Freq:50.00Hz Lamp Flux:3900.14x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180 (65) av	3040
L_0~180 (75) av	3001
L_0~180 (85) av	2504
L_90~270 (65) av	3031
L_90~270 (75) av	2814
L_90~270 (85) av	2779
L_45 (65) av	2064
L_45 (75) av	2440
L_45 (85) av	2685

Standard: GB/T 29293-2012

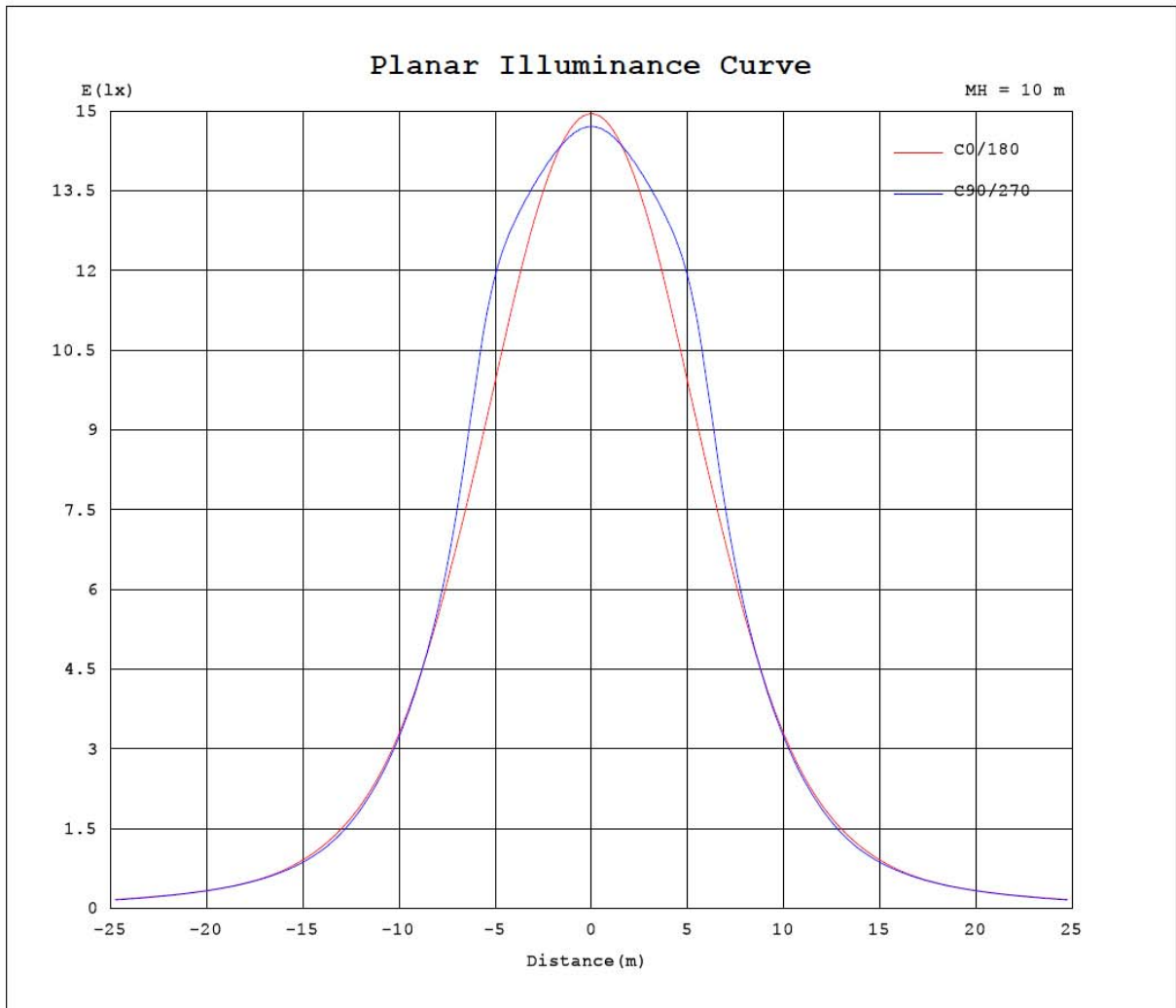
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2019-01-22

Checker: Near Gao

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Assessor: Akin Xu

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Wilson
Test Date: 2019-01-22

Checker: Near Gao

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity: 60.5%
Test Distance: 2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Assessor: Akin Xu

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.3V I:0.1624A P:34.68W PF:0.9692 Freq:50.00Hz Lamp Flux:3900.14x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

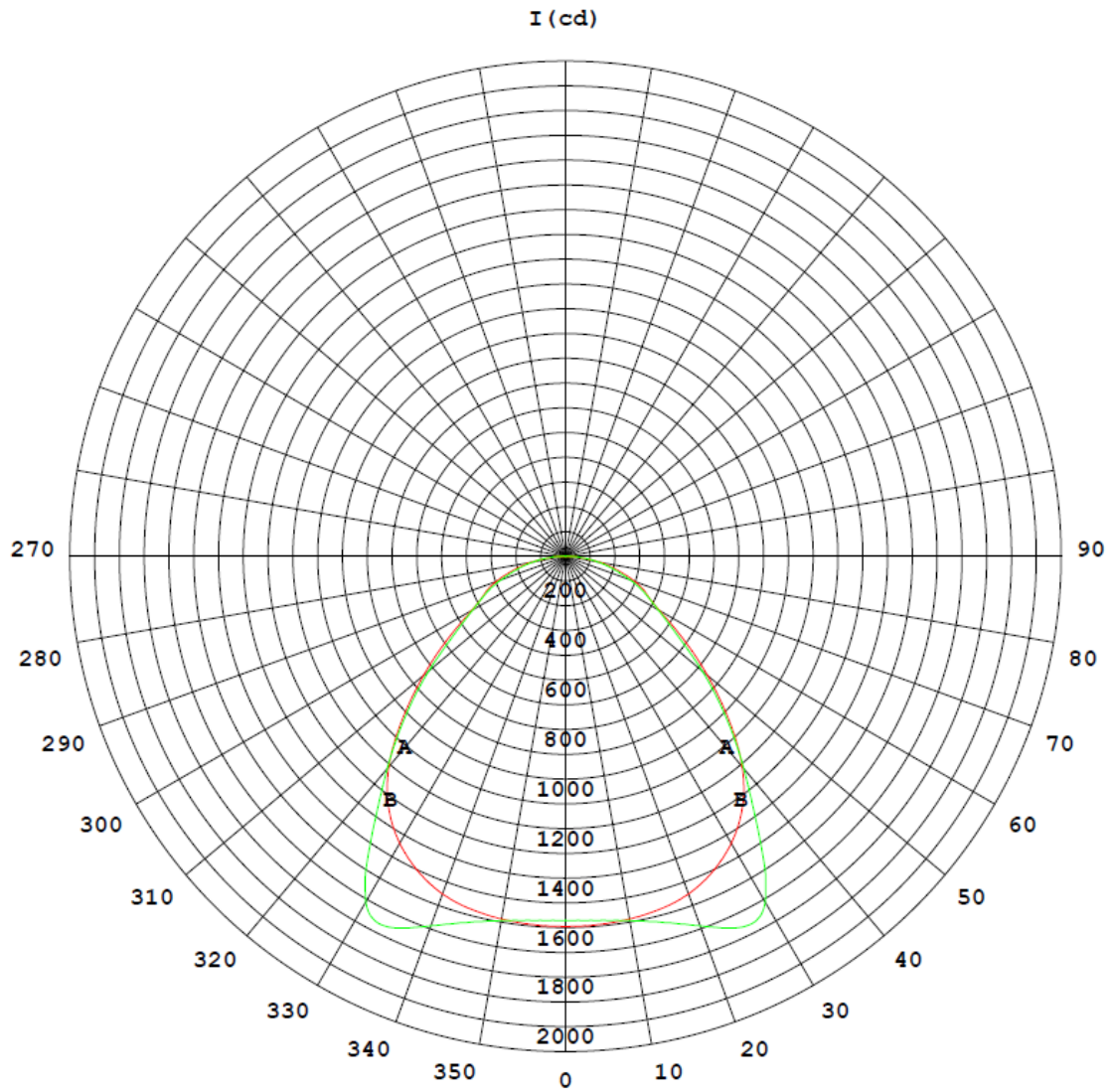
C (DEG) \ γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	1484	1484	1484	1484	1484	1484	1484	1484	1484	1484	1484	1484	1484	1484	1484	1484			
5	1483	1484	1486	1489	1490	1489	1486	1484	1483	1484	1486	1489	1490	1489	1486	1484			
10	1477	1481	1492	1503	1508	1503	1492	1481	1477	1481	1492	1503	1508	1503	1492	1481			
15	1464	1474	1501	1531	1545	1531	1501	1474	1464	1474	1501	1531	1545	1531	1501	1474			
20	1441	1460	1512	1574	1603	1574	1512	1460	1441	1460	1512	1574	1603	1574	1512	1460			
25	1395	1427	1512	1619	1670	1619	1512	1427	1395	1427	1512	1619	1670	1619	1512	1427			
30	1329	1370	1471	1580	1627	1580	1471	1370	1329	1370	1471	1580	1627	1580	1471	1370			
35	1235	1269	1340	1358	1370	1358	1340	1269	1235	1269	1340	1358	1370	1358	1340	1269			
40	1101	1120	1121	1125	1130	1125	1121	1120	1101	1120	1121	1125	1130	1125	1121	1120			
45	925	932	910	932	923	932	910	932	925	932	910	932	923	932	910	932			
50	743	741	729	739	727	739	729	741	743	741	729	739	727	739	729	741			
55	574	597	532	554	552	554	532	597	574	597	532	554	552	554	532	597			
60	434	464	356	412	435	412	356	464	434	464	356	412	435	412	356	464			
65	359	344	244	313	358	313	244	344	359	344	244	313	358	313	244	344			
70	296	253	195	246	279	246	195	253	296	253	195	246	279	246	195	253			
75	217	180	176	184	203	184	176	180	217	180	176	184	203	184	176	180			
80	141	137	128	134	136	134	128	137	141	137	128	134	136	134	128	137			
85	61.0	72.3	65.4	72.4	67.6	72.4	65.4	72.3	61.0	72.3	65.4	72.4	67.6	72.4	65.4	72.3			
90	0.72	3.03	2.21	2.16	4.52	2.16	2.21	3.03	0.72	3.03	2.21	2.16	4.52	2.16	2.21	3.03			
95	0.14	0.14	0.14	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.14	0.14			
100	0.16	0.16	0.16	0.17	0.21	0.17	0.16	0.16	0.16	0.16	0.16	0.17	0.21	0.17	0.16	0.16			
105	0.18	0.19	0.20	0.24	0.27	0.24	0.20	0.19	0.18	0.19	0.20	0.24	0.27	0.24	0.20	0.19			
110	0.21	0.24	0.25	0.33	0.34	0.33	0.25	0.24	0.21	0.24	0.25	0.33	0.34	0.33	0.25	0.24			
115	0.26	0.32	0.33	0.43	0.44	0.43	0.33	0.32	0.26	0.32	0.33	0.43	0.44	0.43	0.33	0.32			
120	0.34	0.41	0.45	0.57	0.58	0.57	0.45	0.41	0.34	0.41	0.45	0.57	0.58	0.57	0.45	0.41			
125	0.44	0.50	0.64	0.74	0.75	0.74	0.64	0.50	0.44	0.50	0.64	0.74	0.75	0.74	0.64	0.50			
130	0.54	0.58	0.82	0.91	0.93	0.91	0.82	0.58	0.54	0.58	0.82	0.91	0.93	0.91	0.82	0.58			
135	0.76	0.88	1.05	1.13	1.10	1.13	1.05	0.88	0.76	0.88	1.05	1.13	1.10	1.13	1.05	0.88			
140	1.07	1.24	1.38	1.43	1.50	1.43	1.38	1.24	1.07	1.24	1.38	1.43	1.50	1.43	1.38	1.24			
145	1.40	1.55	1.63	1.84	1.88	1.84	1.63	1.55	1.40	1.55	1.63	1.84	1.88	1.84	1.63	1.55			
150	1.46	1.92	1.69	2.15	2.21	2.15	1.69	1.92	1.46	1.92	1.69	2.15	2.21	2.15	1.69	1.92			
155	1.84	2.25	2.29	2.11	2.23	2.11	2.29	2.25	1.84	2.25	2.29	2.11	2.23	2.11	2.29	2.25			
160	2.14	2.54	2.62	2.46	2.59	2.46	2.62	2.54	2.14	2.54	2.62	2.46	2.59	2.46	2.62	2.54			
165	2.35	2.59	2.75	2.66	2.78	2.66	2.75	2.59	2.35	2.59	2.75	2.66	2.78	2.66	2.75	2.59			
170	2.50	2.58	2.56	2.62	2.65	2.62	2.56	2.58	2.50	2.58	2.56	2.62	2.65	2.62	2.56	2.58			
175	2.58	2.59	2.59	2.52	2.50	2.52	2.59	2.58	2.59	2.59	2.52	2.50	2.52	2.59	2.59	2.58			
180	2.65	2.55	2.36	2.21	2.14	2.21	2.36	2.55	2.65	2.55	2.36	2.21	2.14	2.21	2.36	2.55			

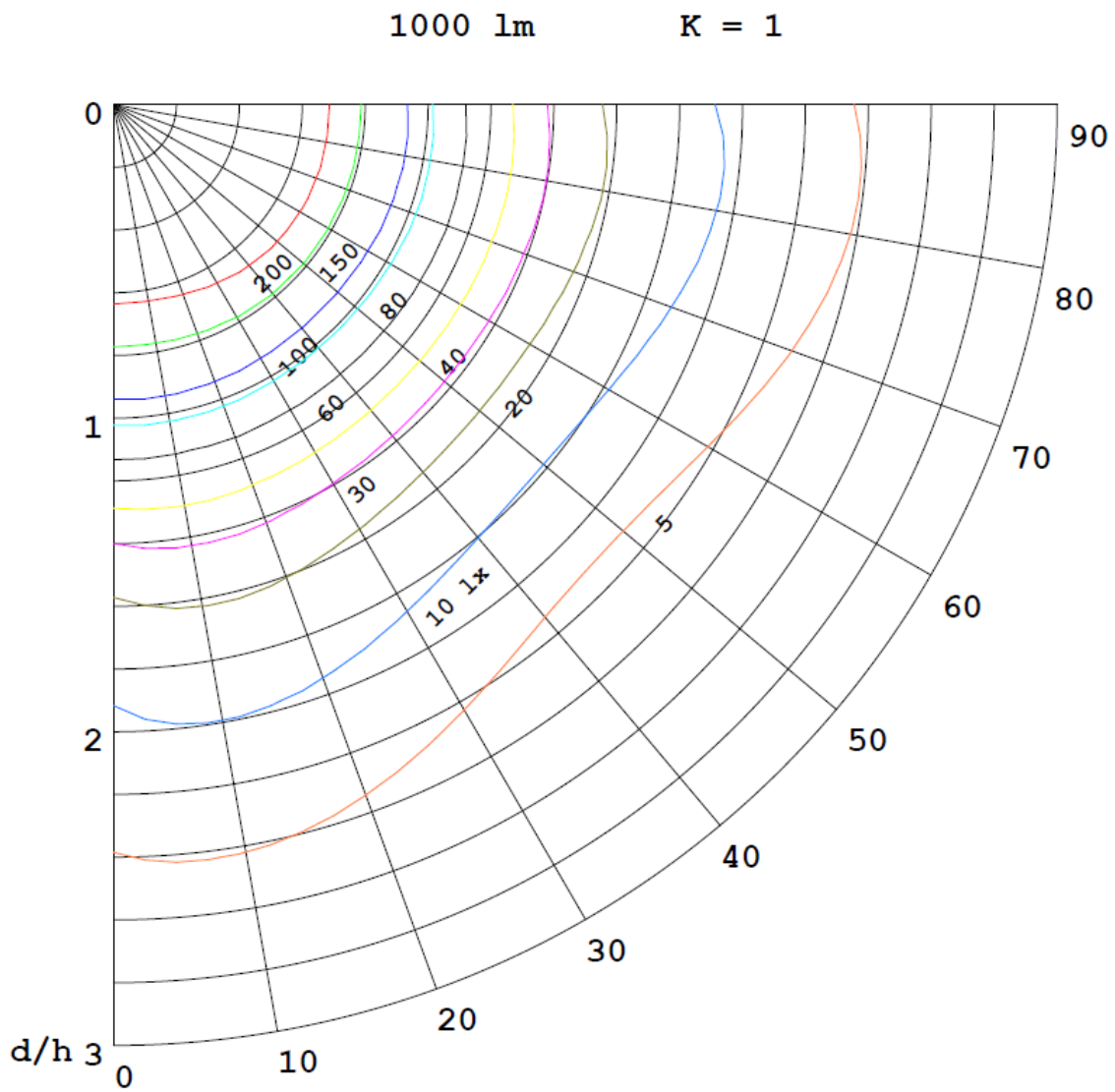
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2019-01-22

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu





F = 1000 lm
 K = 0.7
 Hcc = 0.8 m
 Hfc = 0.0 m
 Eave = 100 lx

	Pcc	Pw	Pfc
—————	70	50	30
—————	50	30	20

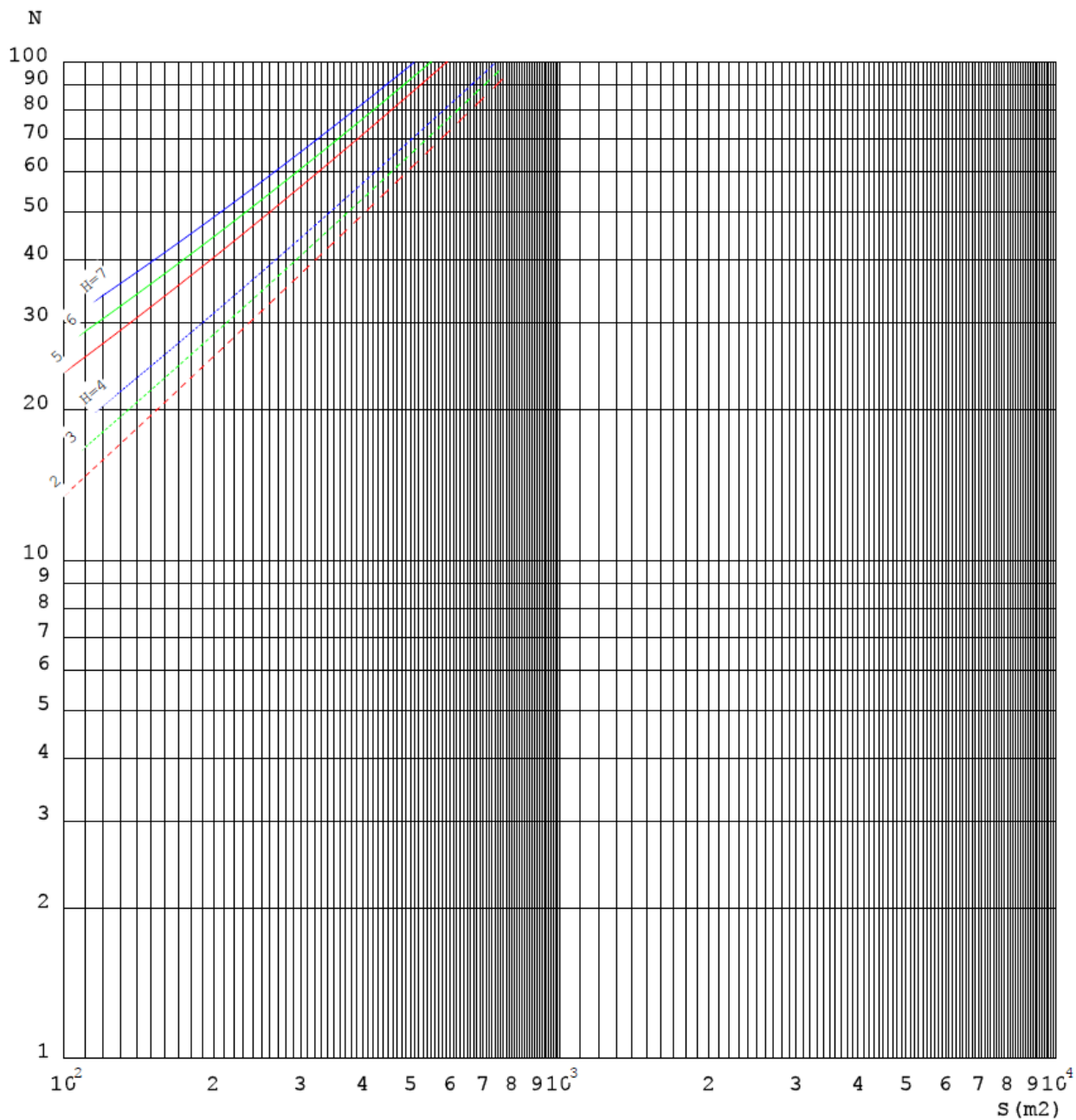


Photo documentation:

Photo 1

General

front

rear

right side

left side

top

bottom

internal



Photo 2

General

front

rear

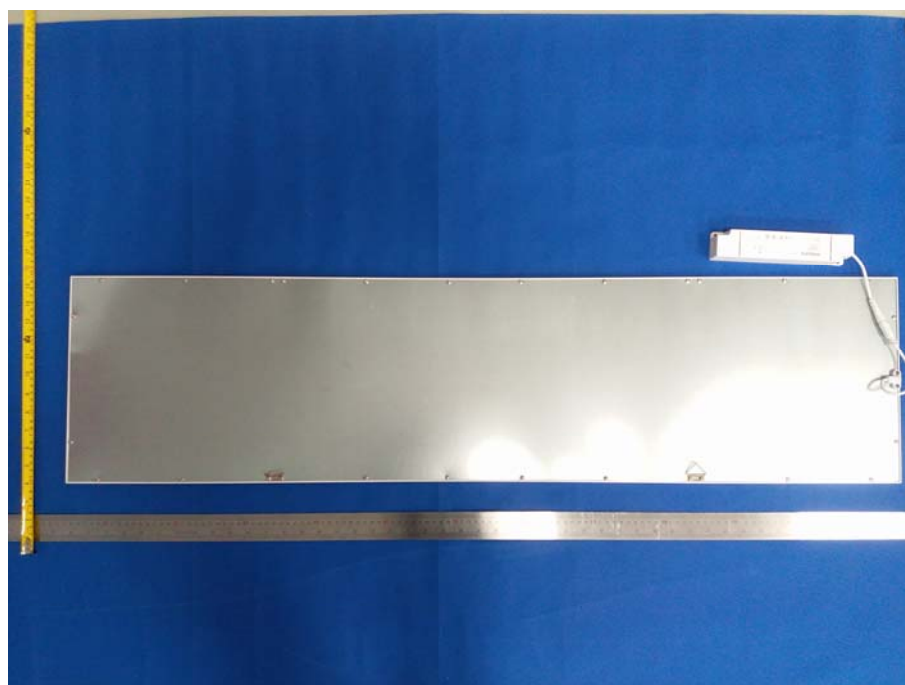
right side

left side

top

bottom

internal



End of the report