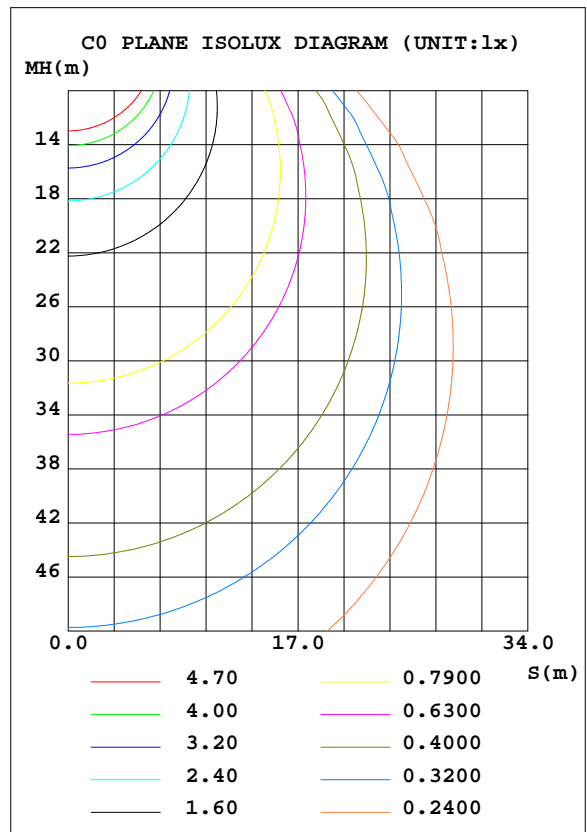
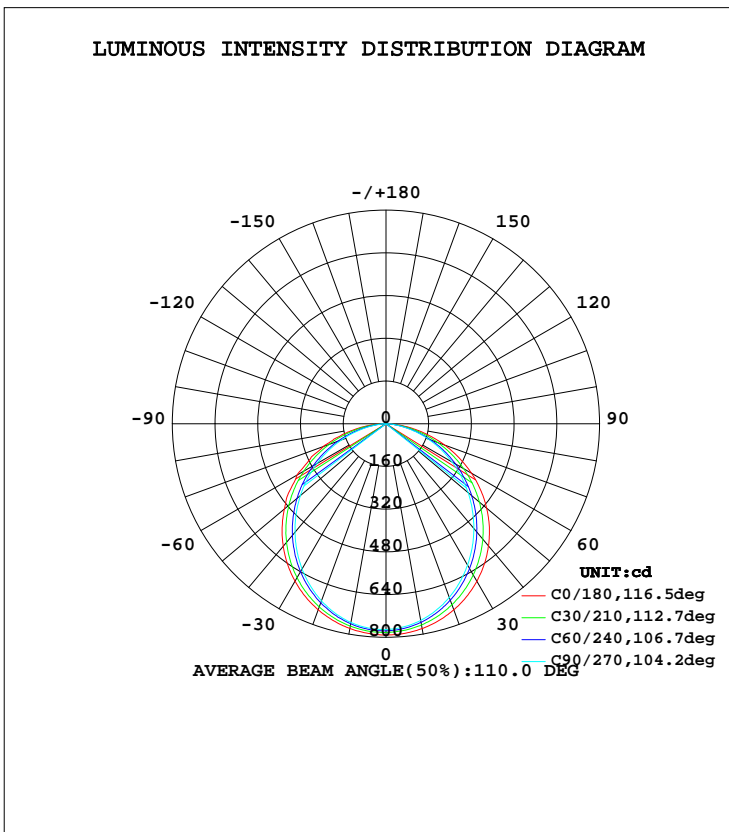


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.3V I:0.1620A P:37.16W PF:0.9958 Lamp Flux:2152.56x1 lm		
NAME: 1	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 57.93 lm/W			
MODEL	SLD-3981P	Imax(cd)	791.4	S/MH(C0/180)	1.28
NOMINAL POWER(W)	38	LOR(%)	100.0	S/MH(C90/270)	1.22
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	2152.6	η UP, DN(C0-180)	0.1, 50.5
NOMINAL FLUX(lm)	2152.56	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1, 49.4
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230.3	η down(%)	99.9	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Vande Deng
 Test Date:2015-08-24

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.273
 Humidity:58.1%
 Test Distance:2.633m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

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	787.8	775.6	767.9	763.1	788.3	773.0	763.6	760.5	0- 5	18.44	18.44	0.86,0.86
10	778.6	764.9	755.7	753.1	779.1	759.7	748.0	747.8	5- 10	54.63	73.07	3.39,3.39
15	763.1	746.8	735.1	735.0	763.5	739.3	723.9	728.1	10- 15	88.77	161.8	7.52,7.52
20	741.9	721.8	706.3	710.4	742.0	711.6	692.6	701.9	15- 20	119.6	281.5	13.1,13.1
25	714.2	690.2	670.4	679.1	714.5	678.4	654.5	669.6	20- 25	146.2	427.7	19.9,19.9
30	681.3	652.8	628.6	641.9	681.1	639.0	611.4	631.8	25- 30	167.6	595.2	27.7,27.7
35	642.6	609.9	581.1	599.0	642.0	594.6	563.3	588.9	30- 35	183.1	778.3	36.2,36.2
40	599.1	562.3	530.3	551.6	597.2	545.4	511.8	541.9	35- 40	192.3	970.6	45.1,45.1
45	550.2	510.2	475.3	499.5	547.5	492.8	457.6	491.1	40- 45	195.0	1166	54.1,54.1
50	497.0	454.5	418.8	444.1	492.5	436.3	401.6	437.2	45- 50	191.2	1357	63,63
55	442.2	395.7	359.4	384.9	432.7	377.4	344.1	380.5	50- 55	181.1	1538	71.4,71.4
60	384.2	334.6	299.3	323.4	369.0	316.2	285.3	321.7	55- 60	165.1	1703	79.1,79.1
65	313.0	271.7	238.1	260.2	302.3	254.1	226.8	261.7	60- 65	143.8	1847	85.8,85.8
70	250.1	208.8	176.6	196.8	234.0	192.0	168.9	201.4	65- 70	118.1	1965	91.3,91.3
75	178.5	145.7	118.3	134.0	164.6	130.5	113.4	141.4	70- 75	89.28	2054	95.4,95.4
80	113.9	85.99	64.53	74.55	99.64	72.62	61.33	84.45	75- 80	59.11	2113	98.2,98.2
85	53.60	32.23	22.19	23.32	39.76	22.77	19.96	32.68	80- 85	29.93	2143	99.6,99.6
90	4.878	0.8482	0.5399	0.6841	0.2605	0.7023	0.4061	1.149	85- 90	6.916	2150	99.9,99.9
95	0.2019	0.2692	0.3556	0.2222	0.1538	0.1672	0.2344	0.3190	90- 95	0.2674	2150	99.9,99.9
100	0.2466	0.2092	0.2287	0.1955	0.1272	0.1139	0.1183	0.1212	95-100	0.0952	2150	99.9,99.9
105	0.2406	0.2571	0.2667	0.2468	0.1408	0.1500	0.1664	0.1487	100-105	0.0972	2150	99.9,99.9
110	0.2575	0.2770	0.2996	0.2668	0.1472	0.1691	0.1839	0.1644	105-110	0.1094	2151	99.9,99.9
115	0.3174	0.3098	0.3323	0.2975	0.1941	0.2027	0.2216	0.2028	110-115	0.1207	2151	99.9,99.9
120	0.4071	0.3589	0.3725	0.3371	0.2411	0.2443	0.2628	0.2466	115-120	0.1379	2151	99.9,99.9
125	0.4815	0.4137	0.4122	0.3925	0.3015	0.2958	0.3034	0.3011	120-125	0.1553	2151	99.9,99.9
130	0.5394	0.4734	0.4569	0.4542	0.3552	0.3541	0.3721	0.3561	125-130	0.1710	2151	99.9,99.9
135	0.5767	0.5266	0.5347	0.5075	0.4248	0.4270	0.4583	0.4308	130-135	0.1861	2151	99.9,99.9
140	0.5877	0.5655	0.5566	0.5292	0.4859	0.4966	0.5251	0.5106	135-140	0.1901	2152	100,100
145	0.5752	0.5836	0.5837	0.5346	0.5702	0.5972	0.6130	0.6061	140-145	0.1868	2152	100,100
150	0.5443	0.5825	0.5731	0.5361	0.6613	0.7082	0.7175	0.6969	145-150	0.1784	2152	100,100
155	0.5690	0.6169	0.5811	0.5721	0.7498	0.8014	0.8309	0.7852	150-155	0.1661	2152	100,100
160	0.6314	0.6573	0.6201	0.6210	0.8687	0.9040	0.9076	0.8754	155-160	0.1532	2152	100,100
165	0.6671	0.6954	0.6526	0.6689	0.9092	0.9576	0.9481	0.9067	160-165	0.1290	2152	100,100
170	0.7175	0.7341	0.6949	0.6949	0.9273	0.9574	0.9294	0.8978	165-170	0.0961	2152	100,100
175	0.7945	0.8011	0.7340	0.7416	0.9146	0.9329	0.8803	0.8775	170-175	0.0582	2153	100,100
180	0.8316	0.8535	0.8333	0.7910	0.8364	0.8533	0.8327	0.7919	175-180	0.0197	2153	100,100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Vande Deng
 Test Date:2015-08-24

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.273
 Humidity:58.1%
 Test Distance:2.633m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

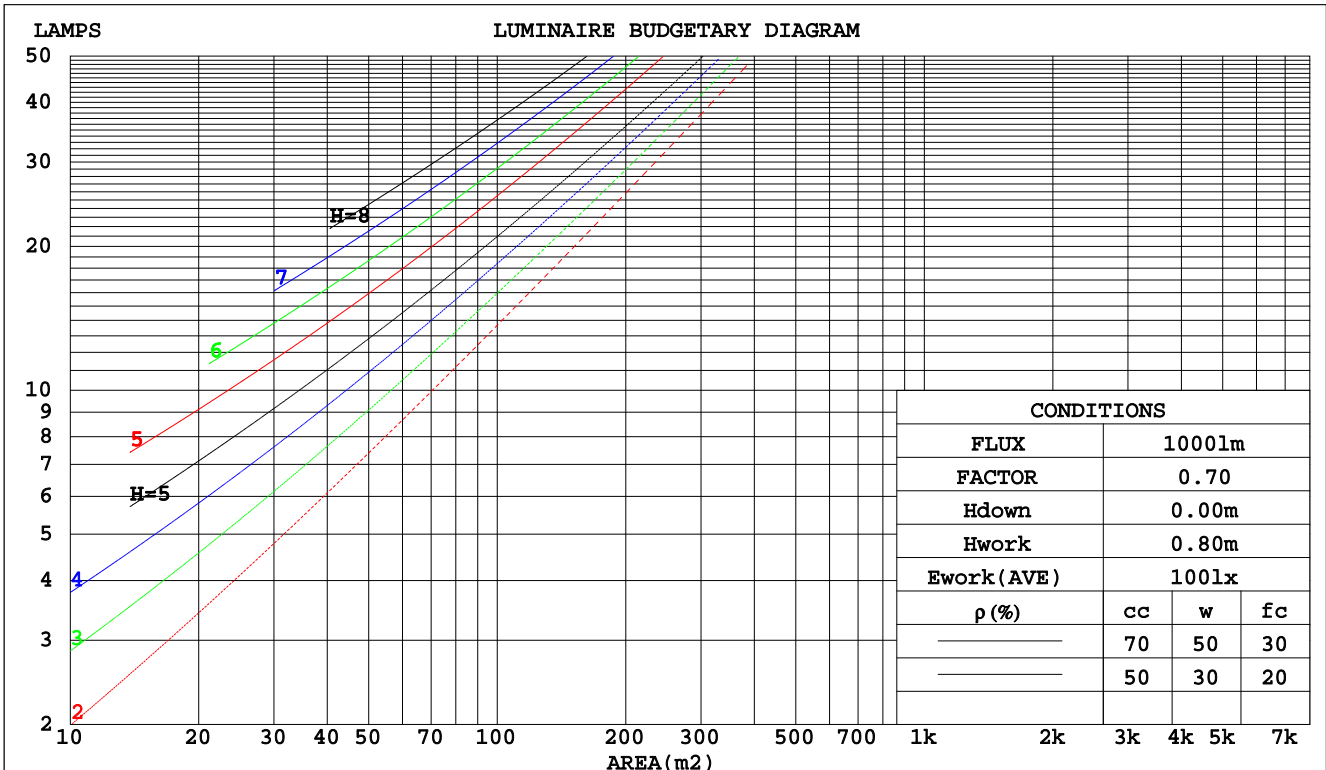
Checker: Harry Huang

Assessor: Akin Xu

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.3V I:0.1620A P:37.16W PF:0.9958 Lamp Flux:2152.56x1 lm		
NAME: 1	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION 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																
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	.00
1.0	1.04	.00	.96	1.02	.98	.94	.97	.94	.91	.94	.91	.88	.90	.88	.86	.84
2.0	.91	.84	.78	.89	.82	.77	.85	.80	.75	.82	.77	.74	.79	.75	.72	.70
3.0	.80	.71	.65	.78	.70	.64	.75	.68	.63	.72	.67	.62	.70	.65	.61	.59
4.0	.71	.62	.55	.69	.61	.55	.67	.59	.54	.64	.58	.53	.62	.57	.52	.50
5.0	.63	.54	.47	.62	.53	.47	.60	.52	.47	.58	.51	.46	.56	.50	.45	.43
6.0	.57	.48	.41	.56	.47	.41	.54	.46	.41	.52	.46	.40	.51	.45	.40	.38
7.0	.51	.43	.36	.51	.42	.36	.49	.42	.36	.48	.41	.36	.46	.40	.36	.34
8.0	.47	.38	.33	.46	.38	.32	.45	.37	.32	.44	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.29	.42	.35	.29	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27
10.0	.40	.32	.27	.39	.32	.26	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Vande Deng
 Test Date: 2015-08-24

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.273
 Humidity: 58.1%
 Test Distance: 2.633m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

WEC AND CCEC

Test:U:230.3V I:0.1620A P:37.16W PF:0.9958 Lamp Flux:2152.56x1 lm		
NAME: 1	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION 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	.307	.174	.055	.300	.171	.054	.286	.164	.052	.274	.158	.051	.263	.152	.049	
2.0	.290	.159	.049	.283	.156	.048	.272	.151	.047	.261	.146	.046	.251	.142	.045	
3.0	.268	.143	.043	.263	.141	.042	.252	.137	.042	.243	.133	.041	.234	.130	.040	
4.0	.248	.129	.038	.243	.127	.038	.234	.124	.037	.225	.121	.036	.217	.118	.036	
5.0	.229	.117	.034	.225	.115	.034	.217	.113	.033	.209	.110	.033	.202	.108	.032	
6.0	.213	.107	.031	.209	.106	.030	.202	.103	.030	.195	.101	.030	.188	.099	.029	
7.0	.198	.098	.028	.195	.097	.028	.188	.095	.027	.182	.093	.027	.176	.092	.027	
8.0	.185	.090	.025	.182	.090	.025	.176	.088	.025	.171	.086	.025	.166	.085	.025	
9.0	.173	.084	.023	.171	.083	.023	.165	.082	.023	.161	.080	.023	.156	.079	.023	
10.0	.163	.078	.022	.161	.078	.022	.156	.076	.022	.151	.075	.021	.147	.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	.191	.191	.191	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.181	.157	.136	.155	.135	.117	.106	.093	.081	.061	.054	.047	.020	.017	.015	
2.0	.173	.133	.099	.148	.114	.086	.101	.079	.060	.059	.046	.035	.019	.015	.011	
3.0	.165	.115	.075	.142	.099	.065	.097	.069	.046	.056	.040	.027	.018	.013	.009	
4.0	.157	.102	.059	.135	.088	.052	.093	.061	.036	.054	.036	.022	.017	.012	.007	
5.0	.150	.091	.048	.129	.079	.042	.089	.055	.030	.051	.032	.018	.017	.011	.006	
6.0	.143	.083	.040	.123	.072	.035	.085	.050	.025	.049	.030	.015	.016	.010	.005	
7.0	.136	.076	.034	.117	.066	.030	.081	.046	.021	.047	.027	.013	.015	.009	.004	
8.0	.130	.070	.030	.112	.061	.026	.077	.043	.018	.045	.025	.011	.015	.008	.004	
9.0	.124	.065	.026	.106	.057	.023	.074	.040	.016	.043	.024	.010	.014	.008	.003	
10.0	.118	.061	.023	.102	.053	.020	.070	.037	.015	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Vande Deng
 Test Date:2015-08-24

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.273
 Humidity:58.1%
 Test Distance:2.633m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

Uncorrected UGR Table

Test:U:230.3V I:0.1620A P:37.16W PF:0.9958 Lamp Flux:2152.56x1 lm										
NAME: 1					TYPE:			WEIGHT:		
DIM.:					SPEC.:			SERIAL No.:		
MFR.:					SUR.:			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	23.4	24.9	23.6	25.1	25.3	22.3	23.8	22.6	24.0	24.2
3H	25.1	26.5	25.4	26.7	26.9	23.6	25.0	23.9	25.3	25.5
4H	25.8	27.1	26.1	27.4	27.6	24.1	25.5	24.5	25.7	26.0
6H	26.3	27.6	26.7	27.8	28.1	24.4	25.7	24.8	26.0	26.2
8H	26.5	27.7	26.9	28.0	28.3	24.5	25.7	24.8	26.0	26.3
12H	26.6	27.8	27.0	28.1	28.4	24.5	25.7	24.9	26.0	26.3
4H 2H	23.8	25.2	24.2	25.4	25.7	23.0	24.4	23.3	24.6	24.9
3H	25.7	26.9	26.1	27.2	27.5	24.5	25.7	24.9	26.0	26.3
4H	26.6	27.6	27.0	28.0	28.3	25.2	26.2	25.5	26.5	26.9
6H	27.3	28.2	27.7	28.6	29.0	25.6	26.5	26.0	26.9	27.2
8H	27.6	28.4	28.0	28.8	29.2	25.7	26.5	26.1	26.9	27.3
12H	27.8	28.6	28.2	28.9	29.4	25.7	26.5	26.1	26.9	27.3
8H 4H	26.8	27.7	27.2	28.0	28.4	25.5	26.4	25.9	26.8	27.1
6H	27.6	28.4	28.1	28.8	29.2	26.0	26.8	26.5	27.2	27.6
8H	28.0	28.6	28.4	29.1	29.5	26.2	26.9	26.7	27.3	27.7
12H	28.3	28.8	28.8	29.3	29.8	26.3	26.8	26.8	27.3	27.8
12H 4H	26.8	27.6	27.2	28.0	28.4	25.5	26.3	26.0	26.7	27.1
6H	27.7	28.3	28.1	28.7	29.2	26.1	26.8	26.6	27.2	27.7
8H	28.0	28.6	28.5	29.1	29.5	26.3	26.9	26.8	27.3	27.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 2153 lm Total Lamp Luminous Flux. (8log(F/F0) = 2.7)

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Vande Deng
 Test Date: 2015-08-24

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.273
 Humidity: 58.1%
 Test Distance: 2.633m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

UTILIZATION FACTORS TABLE

Test:U:230.3V I:0.1620A P:37.16W PF:0.9958 Lamp Flux:2152.56x1 lm		
NAME: 1	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	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	58	46	39	57	46	39	56	45	39	33
0.80	68	56	49	67	56	49	65	55	48	41
1.00	76	65	58	75	65	58	73	66	57	50
1.25	83	73	66	82	72	65	79	71	65	57
1.50	88	78	72	87	78	71	84	76	70	62
2.00	95	87	80	93	85	79	90	83	78	70
2.50	99	91	85	97	90	84	93	87	83	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	98	102	98	95	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Vande Deng
 Test Date:2015-08-24

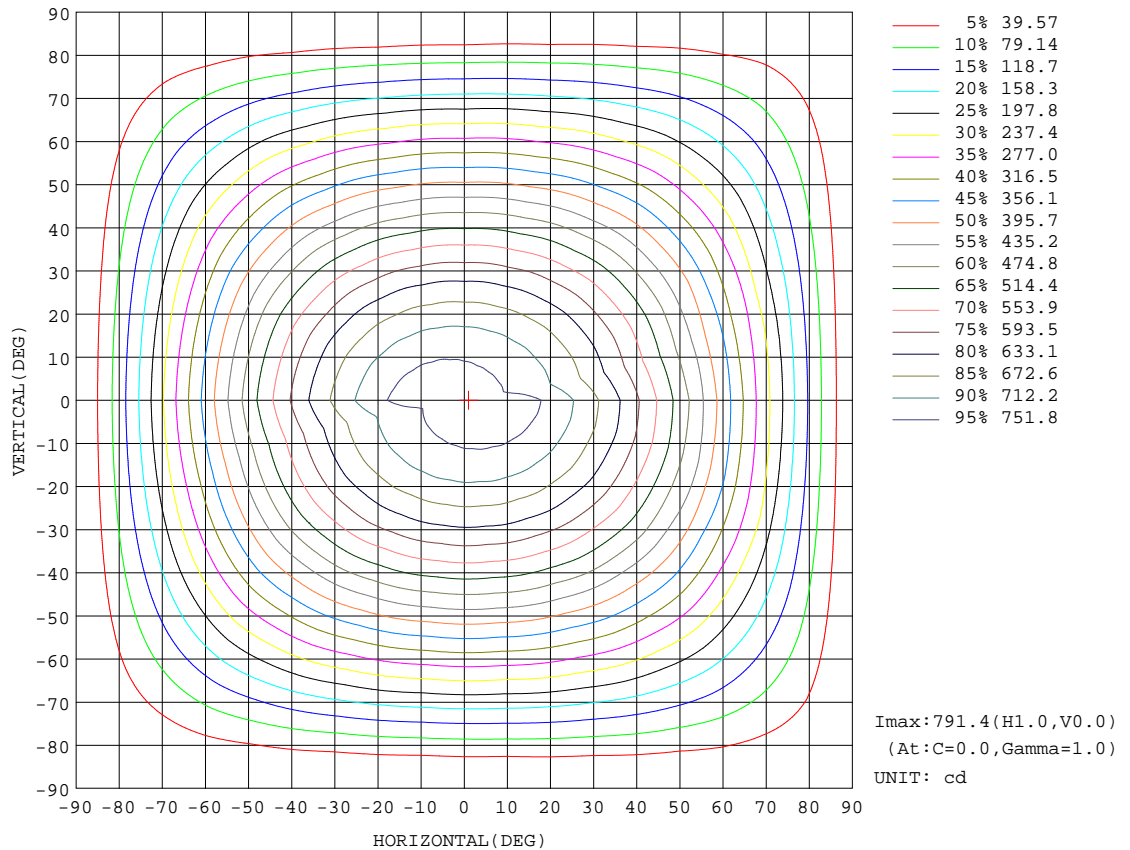
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.273
 Humidity:58.1%
 Test Distance:2.633m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

ISOCANDELA DIAGRAM

Test:U:230.3V I:0.1620A P:37.16W PF:0.9958 Lamp Flux:2152.56x1 lm		
NAME: 1	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Vande Deng
 Test Date: 2015-08-24

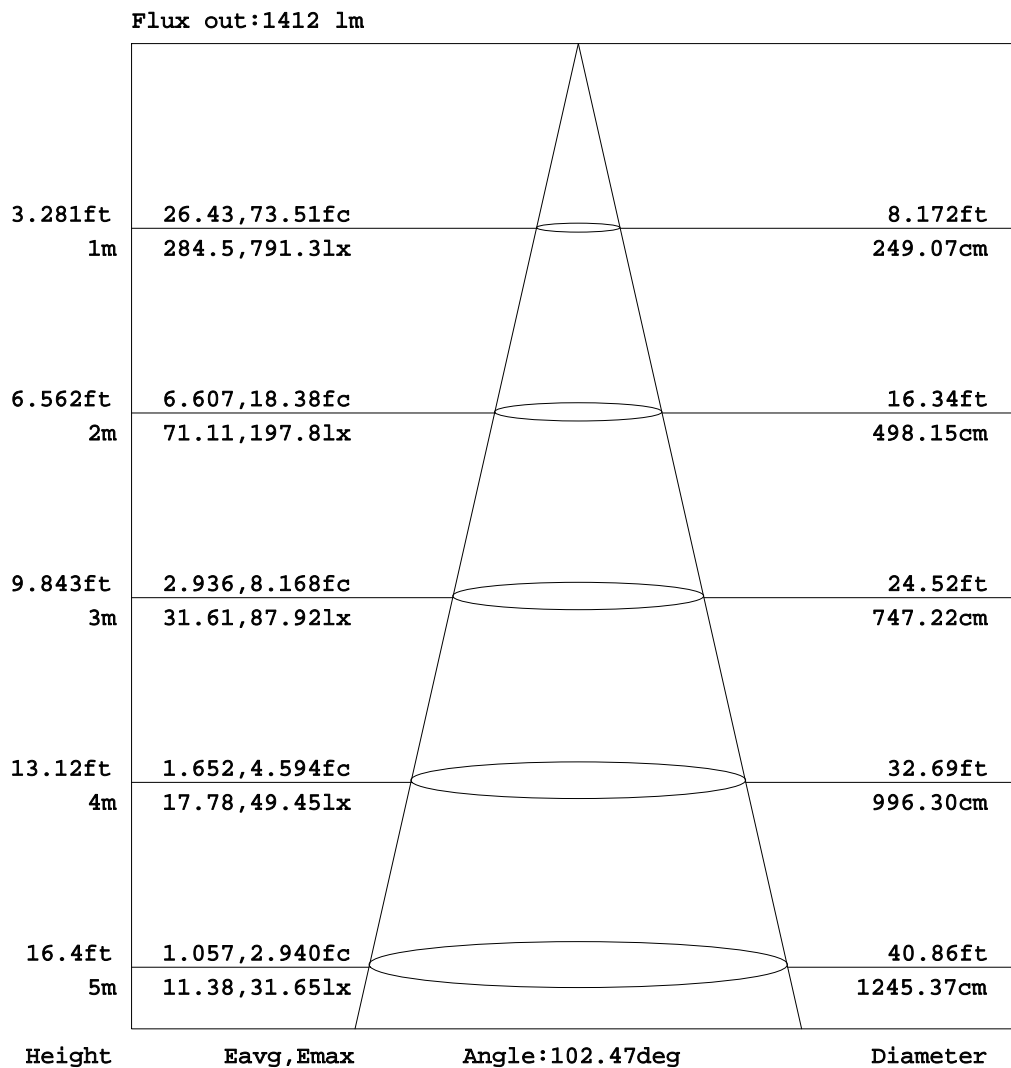
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
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 Test Distance: 2.633m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

AAI Figure

Test:U:230.3V I:0.1620A P:37.16W PF:0.9958 Lamp Flux:2152.56x1 lm		
NAME: 1	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION 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: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Vande Deng
 Test Date: 2015-08-24

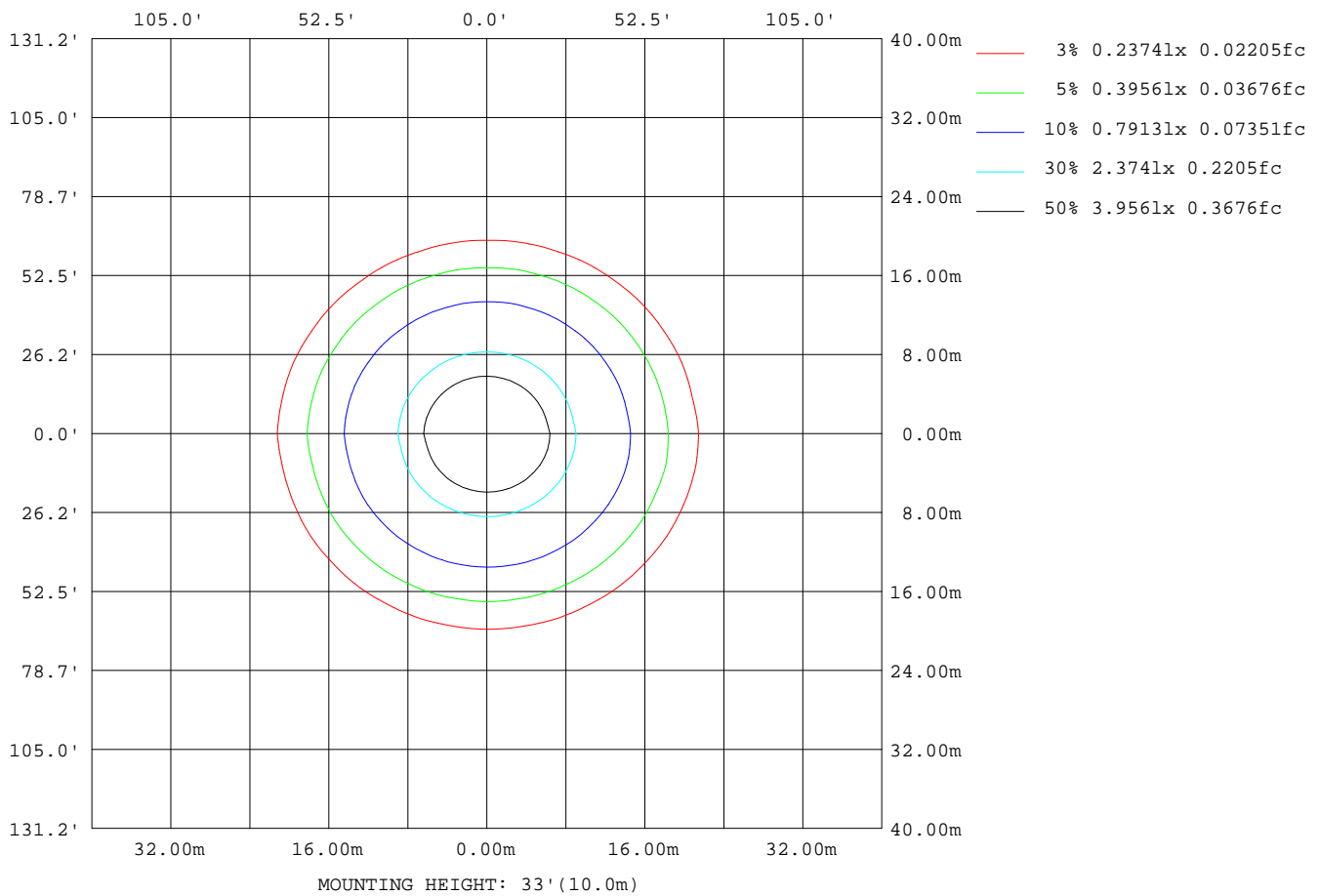
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.273
 Humidity: 58.1%
 Test Distance: 2.633m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

ISOLUX DIAGRAM

Test:U:230.3V I:0.1620A P:37.16W PF:0.9958 Lamp Flux:2152.56x1 lm		
NAME: 1	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



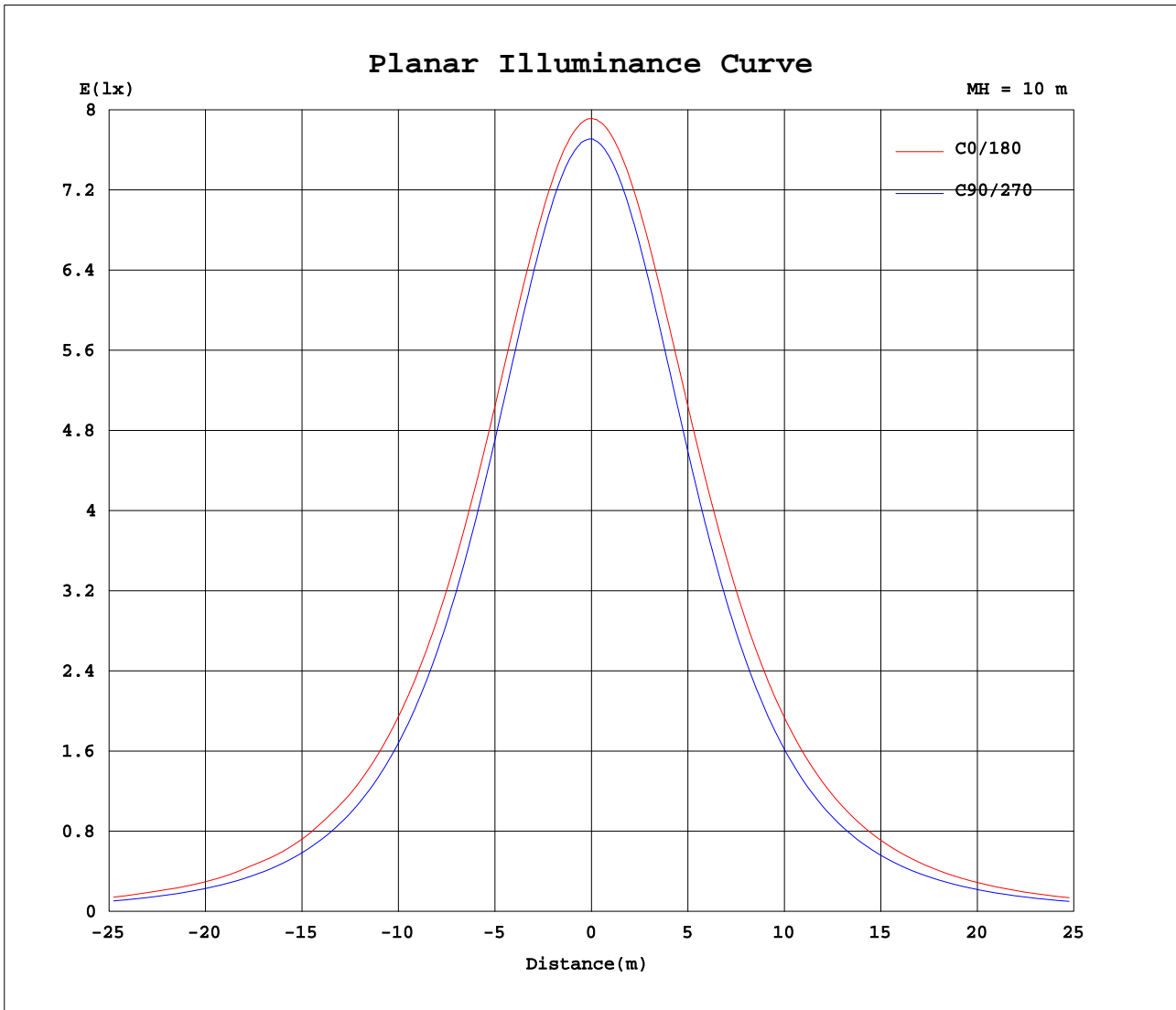
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Vande Deng
 Test Date: 2015-08-24

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.273
 Humidity: 58.1%
 Test Distance: 2.633m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Vande Deng
 Test Date: 2015-08-24

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.273
 Humidity: 58.1%
 Test Distance: 2.633m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.3V I:0.1620A P:37.16W PF:0.9958 Lamp Flux:2152.56x1 lm		
NAME: 1	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	791	787	784	781	779	777	776	774	772	771	770	768	767	766	765	764	764	763	791
5	788	785	781	779	777	775	773	771	769	768	767	765	764	764	763	762	761	760	788
10	779	776	772	769	766	764	761	759	757	756	754	754	753	753	753	753	752	751	779
15	763	761	756	753	748	745	741	739	736	735	733	734	733	735	735	737	736	736	764
20	742	739	734	730	724	720	714	711	707	706	704	706	706	710	711	714	715	716	742
25	714	712	706	701	693	688	680	676	671	670	668	671	673	678	681	685	687	689	714
30	681	679	672	666	656	649	640	635	629	629	627	631	633	640	644	651	653	657	681
35	643	641	633	625	614	606	595	589	582	581	580	584	588	596	602	610	614	619	642
40	599	597	588	580	567	557	545	539	532	530	529	534	539	548	555	565	570	575	597
45	550	548	538	529	516	505	492	484	477	475	475	480	485	495	504	515	521	527	548
50	497	495	485	475	460	449	435	428	420	419	417	423	428	440	448	460	467	473	493
55	442	443	431	417	402	390	376	369	360	359	358	364	369	381	389	402	409	416	433
60	384	380	365	356	340	329	315	308	300	299	298	304	308	319	328	340	347	354	369
65	313	311	302	292	277	267	253	247	239	238	237	242	246	256	264	276	282	289	302
70	250	245	235	227	213	204	192	185	179	177	176	180	184	193	200	211	217	223	234
75	179	177	170	162	150	141	132	125	120	118	117	120	124	131	137	146	151	156	165
80	114	113	107	99.6	89.7	82.3	74.4	70.1	65.6	64.5	63.1	65.2	66.7	72.1	77.0	84.2	89.0	93.5	99.6
85	53.6	53.8	47.0	41.7	34.0	30.4	26.0	25.0	21.3	22.2	19.4	21.5	20.0	23.1	23.5	28.4	30.6	36.1	39.8
90	4.88	3.58	4.12	1.45	0.99	0.70	0.57	0.51	0.56	0.54	0.53	0.47	0.51	0.61	0.75	0.88	0.85	0.58	0.26
95	0.20	0.20	0.21	0.20	0.21	0.32	0.30	0.32	0.36	0.36	0.34	0.30	0.29	0.28	0.17	0.16	0.19	0.18	0.15
100	0.25	0.23	0.23	0.22	0.23	0.19	0.21	0.22	0.24	0.23	0.22	0.20	0.19	0.18	0.21	0.20	0.20	0.20	0.13
105	0.24	0.23	0.23	0.24	0.25	0.26	0.28	0.30	0.29	0.27	0.29	0.27	0.26	0.25	0.24	0.23	0.23	0.23	0.14
110	0.26	0.26	0.26	0.26	0.27	0.28	0.30	0.32	0.31	0.30	0.28	0.28	0.28	0.27	0.26	0.26	0.25	0.25	0.15
115	0.32	0.31	0.31	0.31	0.30	0.32	0.34	0.36	0.36	0.33	0.30	0.31	0.31	0.30	0.29	0.29	0.30	0.30	0.19
120	0.41	0.39	0.38	0.36	0.35	0.36	0.38	0.40	0.40	0.37	0.34	0.34	0.35	0.34	0.33	0.35	0.37	0.37	0.24
125	0.48	0.46	0.44	0.42	0.41	0.42	0.44	0.44	0.45	0.41	0.38	0.38	0.39	0.39	0.39	0.41	0.44	0.45	0.30
130	0.54	0.53	0.51	0.48	0.47	0.48	0.52	0.52	0.51	0.46	0.44	0.44	0.46	0.46	0.45	0.49	0.51	0.52	0.36
135	0.58	0.58	0.56	0.54	0.52	0.53	0.56	0.59	0.57	0.53	0.51	0.50	0.50	0.51	0.51	0.54	0.56	0.57	0.42
140	0.59	0.58	0.58	0.57	0.56	0.57	0.59	0.61	0.59	0.56	0.54	0.54	0.53	0.53	0.53	0.55	0.56	0.56	0.49
145	0.58	0.58	0.57	0.57	0.57	0.60	0.63	0.64	0.62	0.58	0.57	0.56	0.56	0.54	0.53	0.55	0.55	0.54	0.57
150	0.54	0.56	0.56	0.56	0.57	0.59	0.61	0.63	0.62	0.57	0.57	0.55	0.53	0.53	0.54	0.53	0.53	0.52	0.66
155	0.57	0.59	0.60	0.61	0.60	0.63	0.65	0.65	0.62	0.58	0.59	0.58	0.57	0.57	0.58	0.57	0.54	0.54	0.75
160	0.63	0.65	0.65	0.66	0.65	0.66	0.69	0.70	0.68	0.62	0.66	0.65	0.62	0.62	0.62	0.61	0.59	0.60	0.87
165	0.67	0.69	0.69	0.70	0.70	0.69	0.71	0.71	0.69	0.65	0.68	0.68	0.68	0.68	0.66	0.64	0.64	0.63	0.91
170	0.72	0.73	0.74	0.74	0.74	0.72	0.73	0.71	0.72	0.69	0.69	0.69	0.69	0.70	0.69	0.68	0.68	0.69	0.93
175	0.79	0.80	0.80	0.80	0.81	0.80	0.79	0.79	0.75	0.73	0.73	0.72	0.74	0.74	0.74	0.74	0.74	0.75	0.91
180	0.83	0.85	0.84	0.84	0.85	0.86	0.85	0.82	0.79	0.83	0.76	0.75	0.78	0.80	0.78	0.77	0.78	0.77	0.84

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Vande Deng
 Test Date:2015-08-24

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.273
 Humidity:58.1%
 Test Distance:2.633m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.3V I:0.1620A P:37.16W PF:0.9958 Lamp Flux:2152.56x1 lm		
NAME: 1	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG)\γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	787	784	781	779	777	776	774	772	771	770	768	767	766	765	764	764	763		
5	784	780	777	774	772	770	767	766	764	763	762	761	760	761	760	760	760		
10	774	770	765	762	758	755	751	750	748	747	747	747	747	749	749	750	750		
15	757	753	747	742	736	733	728	727	724	724	724	726	727	730	731	734	735		
20	735	729	721	716	708	703	698	696	693	693	694	697	699	704	707	712	714		
25	707	700	690	683	673	668	660	658	655	656	657	662	666	673	678	684	687		
30	672	665	654	645	633	626	618	615	611	613	615	621	627	636	643	651	655		
35	633	624	611	601	588	580	570	567	563	566	568	577	583	594	602	612	617		
40	588	579	564	553	538	529	519	516	512	515	518	528	536	548	558	569	574		
45	537	528	512	500	485	475	465	461	458	462	465	475	484	498	509	521	527		
50	482	473	457	444	429	419	408	405	402	406	410	420	430	445	456	470	476		
55	422	413	398	385	370	360	350	347	344	348	352	363	373	388	400	415	424		
60	359	351	336	324	309	301	291	288	285	290	294	305	314	329	341	354	364		
65	293	286	271	261	247	240	231	229	227	231	235	246	255	269	279	293	298		
70	226	220	207	198	186	178	172	170	169	173	177	186	195	208	217	230	235		
75	159	153	143	135	126	120	115	114	113	117	120	128	136	147	156	166	171		
80	94.8	90.4	83.3	76.3	69.0	65.7	61.7	62.1	61.3	64.7	67.4	73.7	79.9	89.0	96.5	105	109		
85	35.6	32.2	26.0	24.5	21.0	21.4	18.9	21.1	20.0	23.3	23.6	27.2	29.6	35.8	40.5	48.4	51.7		
90	0.63	0.95	0.88	0.77	0.64	0.50	0.41	0.38	0.41	0.40	0.46	0.65	0.89	1.40	3.04	3.09	6.69		
95	0.12	0.10	0.10	0.11	0.23	0.21	0.20	0.21	0.23	0.24	0.26	0.29	0.32	0.32	0.14	0.13	0.13		
100	0.11	0.11	0.12	0.13	0.10	0.10	0.10	0.11	0.12	0.11	0.11	0.09	0.09	0.15	0.14	0.12	0.13		
105	0.13	0.13	0.14	0.14	0.16	0.16	0.16	0.14	0.17	0.16	0.18	0.17	0.16	0.14	0.12	0.11	0.13		
110	0.15	0.15	0.16	0.16	0.17	0.18	0.18	0.17	0.18	0.19	0.20	0.19	0.17	0.16	0.15	0.14	0.14		
115	0.20	0.20	0.20	0.20	0.21	0.22	0.20	0.19	0.22	0.24	0.23	0.22	0.21	0.20	0.19	0.18	0.18		
120	0.24	0.25	0.25	0.24	0.25	0.26	0.24	0.24	0.26	0.29	0.29	0.27	0.25	0.24	0.24	0.24	0.24		
125	0.30	0.30	0.30	0.29	0.30	0.30	0.29	0.29	0.30	0.35	0.35	0.32	0.31	0.29	0.29	0.29	0.29		
130	0.36	0.36	0.37	0.35	0.36	0.37	0.36	0.36	0.37	0.41	0.42	0.39	0.36	0.35	0.35	0.34	0.35		
135	0.43	0.43	0.44	0.42	0.43	0.44	0.44	0.45	0.46	0.48	0.50	0.46	0.44	0.42	0.42	0.41	0.42		
140	0.49	0.50	0.52	0.49	0.50	0.51	0.52	0.53	0.53	0.55	0.56	0.55	0.52	0.50	0.49	0.48	0.47		
145	0.57	0.57	0.59	0.59	0.60	0.60	0.60	0.62	0.61	0.62	0.65	0.64	0.62	0.59	0.56	0.55	0.54		
150	0.66	0.67	0.68	0.70	0.72	0.69	0.70	0.72	0.72	0.73	0.76	0.75	0.72	0.67	0.65	0.63	0.62		
155	0.74	0.76	0.80	0.80	0.80	0.81	0.82	0.84	0.83	0.85	0.85	0.84	0.80	0.77	0.77	0.72	0.71		
160	0.87	0.87	0.89	0.91	0.90	0.90	0.91	0.93	0.91	0.94	0.94	0.93	0.88	0.87	0.84	0.82	0.82		
165	0.91	0.91	0.91	0.95	0.97	0.95	0.94	0.94	0.95	0.95	0.96	0.94	0.91	0.90	0.86	0.86	0.85		
170	0.93	0.94	0.93	0.95	0.96	0.95	0.91	0.90	0.93	0.93	0.91	0.90	0.91	0.89	0.88	0.86	0.85		
175	0.93	0.93	0.93	0.92	0.95	0.92	0.85	0.85	0.88	0.90	0.88	0.86	0.88	0.88	0.87	0.85	0.84		
180	0.85	0.85	0.84	0.85	0.86	0.85	0.82	0.79	0.83	0.77	0.75	0.78	0.80	0.78	0.78	0.78	0.77		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Vande Deng
 Test Date:2015-08-24

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.273
 Humidity:58.1%
 Test Distance:2.633m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

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