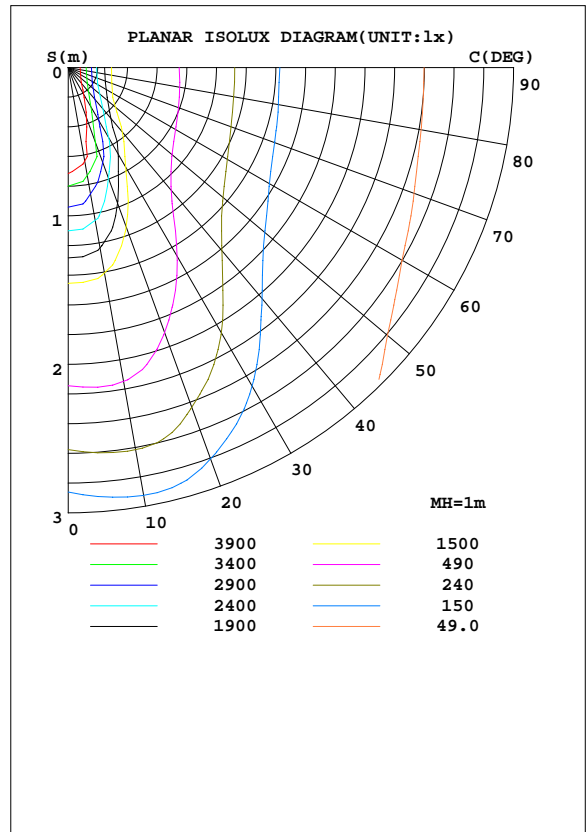
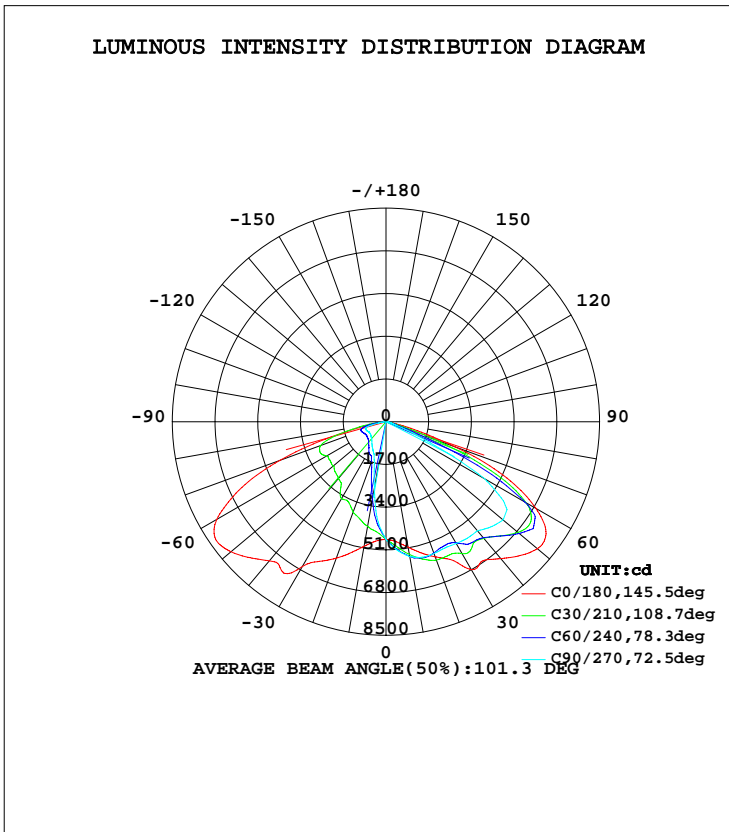


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.9V I:0.7080A P:153.9W PF:0.9840 Lamp Flux:18955.6x1 lm		
NAME: SHOE BOX	TYPE:YHL-ST9-150	WEIGHT:
SPEC.:WEAN WELL	DIM.: 5000K	SERIAL No.:20170428
MFR.:	SUR.:70Ra	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 123.17 lm/W			
MODEL	NVSW219CT 60pcs	I _{max} (cd)	8242	S/MH(C0/180)	2.21
NOMINAL POWER(W)	153.8	LOR(%)	100.0	S/MH(C90/270)	1.82
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	18956	η UP, DN(C0-180)	0.0, 34.5
NOMINAL FLUX(lm)	18955.6	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 65.5
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	220	η down(%)	100.0	CIBSE SHR MAX	1.15



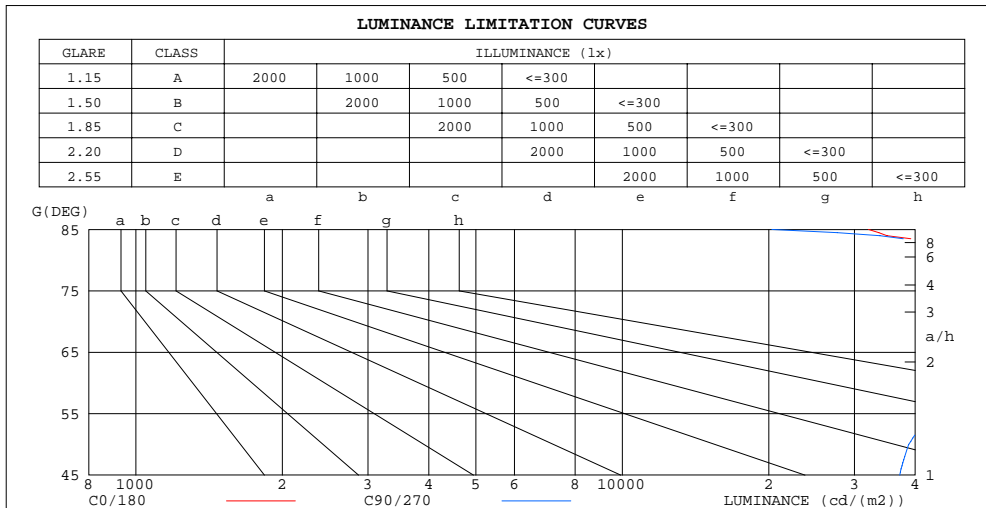
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:CHEN YU
 Test Date:2017-04-28

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:9.410m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	#lum,lamp
5	4774	4222	3899	4242	4799	5058	5127	5048	0- 5	111.3	111.3	0.59,0.59
10	5034	3641	2655	3678	5068	5413	5450	5409	5- 10	328.6	439.8	2.32,2.32
15	5395	2996	1806	3038	5401	5651	5583	5684	10- 15	532.7	972.5	5.13,5.13
20	5774	2356	1388	2358	5719	5666	5582	5741	15- 20	725.0	1698	8.96,8.96
25	6123	2014	1236	2054	6047	5553	5544	5653	20- 25	908.5	2606	13.7,13.7
30	6652	1842	1108	1782	6798	5656	5591	5671	25- 30	1104	3710	19.6,19.6
35	7241	1578	982.4	1511	6742	5911	5652	6028	30- 35	1314	5024	26.5,26.5
40	7228	1421	891.6	1377	7108	5999	5661	6126	35- 40	1481	6504	34.3,34.3
45	7654	1332	841.0	1298	7536	6505	5913	6542	40- 45	1679	8183	43.2,43.2
50	8052	1282	798.0	1284	7863	7122	6082	7146	45- 50	1913	10095	53.3,53.3
55	8242	1320	790.5	1287	7775	7477	5797	7637	50- 55	2121	12217	64.4,64.4
60	7775	1368	793.8	1330	6882	7101	4529	7643	55- 60	2187	14404	76,76
65	6465	1462	846.8	1405	5316	4955	1761	6177	60- 65	1930	16333	86.2,86.2
70	4481	1510	866.4	1418	2947	1972	471.1	3145	65- 70	1360	17693	93.3,93.3
75	2009	1325	769.5	1191	1031	530.1	259.1	849.9	70- 75	763.1	18456	97.4,97.4
80	531.9	759.5	303.3	574.6	200.2	223.7	127.3	304.3	75- 80	359.5	18816	99.3,99.3
85	89.48	166.8	56.59	118.6	42.37	65.40	30.61	116.4	80- 85	128.1	18944	99.9,99.9
90	2.918	0	0	0	4.161	0	0	0	85- 90	11.92	18956	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	32084	20289
80	95724	54576
75	242541	92908
70	409415	79166
65	478018	62614
60	485929	49612
55	449029	43068
50	391472	38795
45	338242	37168

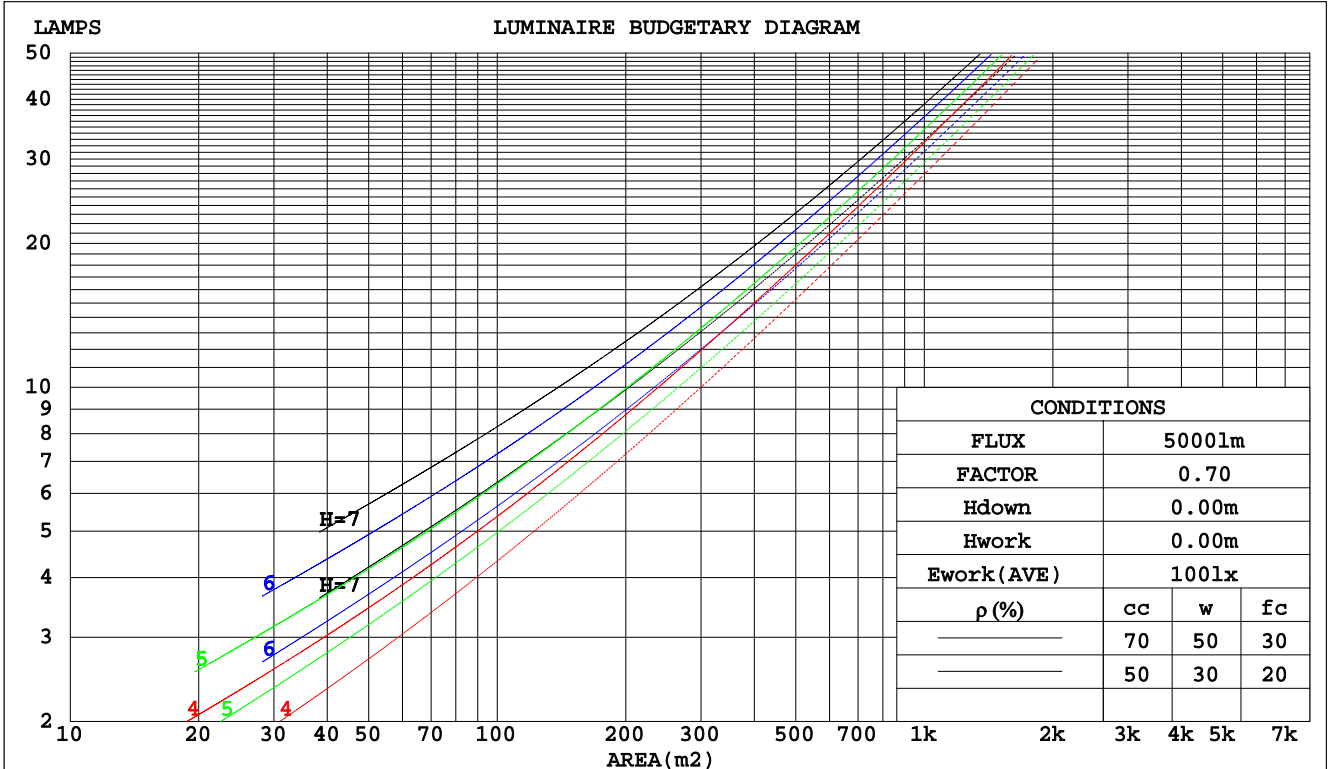
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:CHEN YU
Test Date:2017-04-28

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.287
Humidity:65.0%
Test Distance:9.410m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.9V I:0.7080A P:153.9W PF:0.9840 Lamp Flux:18955.6x1 lm		
NAME: SHOE BOX	TYPE:YHL-ST9-150	WEIGHT:
SPEC.:WEAN WELL	DIM.: 5000K	SERIAL No.:20170428
MFR.:	SUR.:70Ra	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																0
pfc																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	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.89	.82	.76	.87	.80	.75	.83	.78	.73	.80	.75	.71	.77	.73	.70	.67
3.0	.77	.68	.61	.75	.67	.61	.72	.65	.59	.69	.63	.58	.67	.62	.57	.55
4.0	.67	.57	.50	.66	.57	.50	.63	.55	.49	.61	.54	.48	.58	.53	.48	.45
5.0	.59	.49	.42	.58	.49	.42	.55	.47	.41	.53	.46	.41	.52	.45	.40	.38
6.0	.52	.43	.36	.51	.42	.36	.49	.41	.35	.48	.40	.35	.46	.40	.35	.32
7.0	.47	.37	.31	.46	.37	.31	.44	.36	.31	.43	.36	.30	.41	.35	.30	.28
8.0	.42	.33	.27	.42	.33	.27	.40	.32	.27	.39	.32	.27	.38	.31	.26	.24
9.0	.38	.30	.24	.38	.30	.24	.37	.29	.24	.36	.29	.24	.34	.28	.23	.21
10.0	.35	.27	.21	.35	.27	.21	.34	.26	.21	.33	.26	.21	.32	.25	.21	.19



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:CHEN YU
 Test Date:2017-04-28

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:9.410m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:220.9V I:0.7080A P:153.9W PF:0.9840 Lamp Flux:18955.6x1 lm		
NAME: SHOE BOX	TYPE:YHL-ST9-150	WEIGHT:
SPEC.:WEAN WELL	DIM.: 5000K	SERIAL No.:20170428
MFR.:	SUR.:70Ra	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	.316	.180	.057	.309	.176	.056	.296	.170	.054	.283	.164	.052	.272	.158	.051	
2.0	.306	.168	.051	.300	.165	.051	.288	.160	.050	.277	.155	.049	.267	.151	.048	
3.0	.286	.152	.046	.281	.150	.045	.270	.146	.045	.260	.143	.044	.251	.139	.043	
4.0	.265	.138	.041	.260	.136	.040	.251	.133	.040	.242	.130	.039	.234	.127	.039	
5.0	.245	.125	.036	.241	.124	.036	.233	.121	.036	.225	.119	.035	.217	.116	.035	
6.0	.227	.114	.033	.223	.113	.032	.216	.111	.032	.209	.108	.032	.202	.106	.032	
7.0	.211	.104	.030	.207	.103	.029	.201	.101	.029	.194	.100	.029	.189	.098	.029	
8.0	.196	.096	.027	.193	.095	.027	.187	.094	.027	.182	.092	.027	.176	.091	.026	
9.0	.183	.089	.025	.181	.088	.025	.175	.087	.025	.170	.085	.024	.165	.084	.024	
10.0	.172	.082	.023	.169	.082	.023	.165	.081	.023	.160	.079	.023	.156	.078	.022	

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	.181	.156	.134	.155	.134	.115	.106	.092	.080	.061	.053	.046	.020	.017	.015	
2.0	.174	.132	.096	.149	.113	.083	.102	.079	.058	.059	.046	.034	.019	.015	.011	
3.0	.168	.114	.072	.144	.099	.062	.099	.069	.044	.057	.040	.026	.018	.013	.008	
4.0	.161	.101	.056	.138	.088	.049	.095	.061	.034	.055	.036	.020	.018	.012	.007	
5.0	.154	.091	.045	.132	.079	.039	.091	.055	.028	.053	.032	.016	.017	.011	.005	
6.0	.147	.083	.037	.126	.072	.032	.087	.050	.023	.051	.030	.014	.016	.010	.004	
7.0	.140	.076	.032	.120	.066	.027	.083	.046	.019	.048	.027	.012	.016	.009	.004	
8.0	.133	.071	.027	.115	.061	.024	.079	.043	.017	.046	.025	.010	.015	.008	.003	
9.0	.127	.066	.024	.109	.057	.021	.076	.040	.015	.044	.024	.009	.014	.008	.003	
10.0	.121	.061	.022	.104	.053	.019	.072	.037	.013	.042	.022	.008	.014	.007	.003	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:CHEN YU
 Test Date:2017-04-28

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:9.410m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.9V I:0.7080A P:153.9W PF:0.9840 Lamp Flux:18955.6x1 lm										
NAME: SHOE BOX					TYPE:YHL-ST9-150			WEIGHT:		
SPEC.:WEAN WELL					DIM.: 5000K			SERIAL No.:20170428		
MFR.:					SUR.:70Ra			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	35.1	36.7	35.3	36.9	37.1	22.2	23.9	22.5	24.1	24.3
3H	37.8	39.3	38.1	39.5	39.8	25.4	26.9	25.7	27.1	27.4
4H	38.4	39.8	38.7	40.1	40.3	27.0	28.4	27.3	28.7	28.9
6H	38.5	39.8	38.8	40.1	40.4	27.8	29.1	28.1	29.4	29.7
8H	38.4	39.7	38.8	40.0	40.3	27.9	29.2	28.2	29.5	29.8
12H	38.4	39.6	38.7	39.9	40.2	27.9	29.1	28.2	29.4	29.7
4H 2H	34.9	36.3	35.2	36.6	36.8	25.6	27.0	25.9	27.3	27.5
3H	37.9	39.1	38.2	39.4	39.7	28.0	29.2	28.3	29.5	29.8
4H	38.7	39.8	39.1	40.1	40.5	29.3	30.4	29.7	30.8	31.1
6H	38.9	39.9	39.3	40.3	40.7	30.1	31.1	30.5	31.5	31.8
8H	38.9	39.9	39.3	40.2	40.6	30.3	31.2	30.7	31.6	32.0
12H	38.9	39.8	39.3	40.1	40.5	30.3	31.1	30.7	31.5	31.9
8H 4H	38.7	39.6	39.1	40.0	40.4	30.9	31.8	31.3	32.2	32.6
6H	39.0	39.8	39.5	40.2	40.6	31.7	32.5	32.2	32.9	33.3
8H	39.1	39.7	39.5	40.2	40.6	31.9	32.6	32.4	33.0	33.5
12H	39.0	39.6	39.5	40.1	40.5	32.0	32.6	32.5	33.0	33.5
12H 4H	38.6	39.5	39.1	39.9	40.3	31.1	31.9	31.5	32.3	32.7
6H	39.0	39.7	39.5	40.1	40.5	31.9	32.6	32.4	33.1	33.5
8H	39.0	39.6	39.5	40.1	40.6	32.2	32.8	32.7	33.2	33.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.1				
1.5H	+ 0.3 / - 0.3					+ 0.2 / - 0.1				
2.0H	+ 1.2 / - 1.1					+ 0.2 / - 0.2				

CIE Pub.117 Corrected 18956 lm Total Lamp Luminous Flux. (8log(F/F0) = 10.2)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:CHEN YU
 Test Date:2017-04-28

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:9.410m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.9V I:0.7080A P:153.9W PF:0.9840 Lamp Flux:18955.6x1 lm		
NAME: SHOE BOX	TYPE:YHL-ST9-150	WEIGHT:
SPEC.:WEAN WELL	DIM.: 5000K	SERIAL No.:20170428
MFR.:	SUR.:70Ra	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	51	38	30	50	38	30	49	37	30	23
0.80	62	49	41	61	48	40	59	48	40	32
1.00	71	59	51	70	58	51	68	60	50	42
1.25	79	68	60	78	67	59	75	65	59	51
1.50	85	74	66	83	73	66	80	71	65	57
2.00	93	83	77	91	82	76	87	80	74	66
2.50	97	89	82	95	87	82	91	85	80	71
3.00	101	94	88	99	92	87	95	89	85	76
4.00	106	100	95	103	98	93	99	94	91	82
5.00	108	103	99	106	101	97	101	98	94	85
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:25DEG
 Operators:CHEN YU
 Test Date:2017-04-28

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:9.410m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

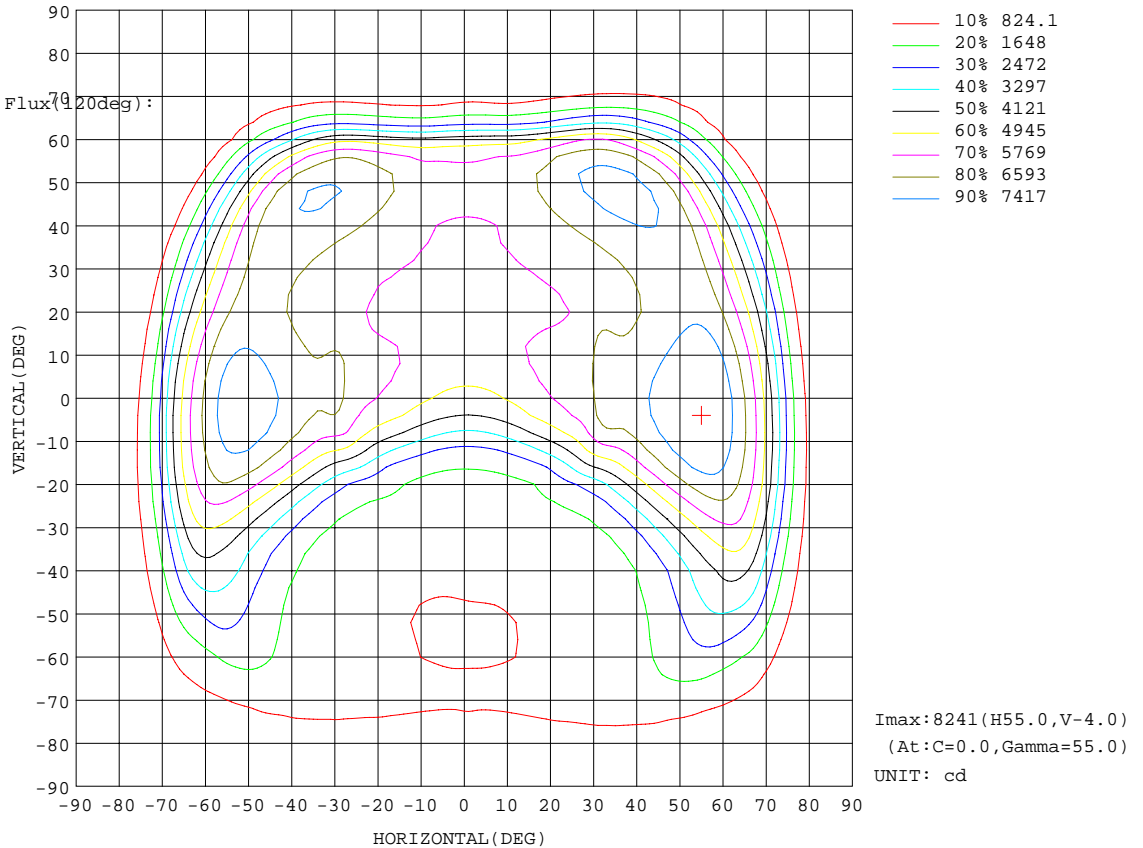
Test:U:220.9V I:0.7080A P:153.9W PF:0.9840 Lamp Flux:18955.6x1 lm		
NAME: SHOE BOX	TYPE:YHL-ST9-150	WEIGHT:
SPEC.:WEAN WELL	DIM.: 5000K	SERIAL No.:20170428
MFR.:	SUR.:70Ra	PROTECTION ANGLE:

Conical surface Flux(90deg):

8183 lm
%lum = 43.2%
%lamp = 43.2%

Conical surface Flux(70deg):

14404 lm
%lum = 76.0%
%lamp = 76.0%



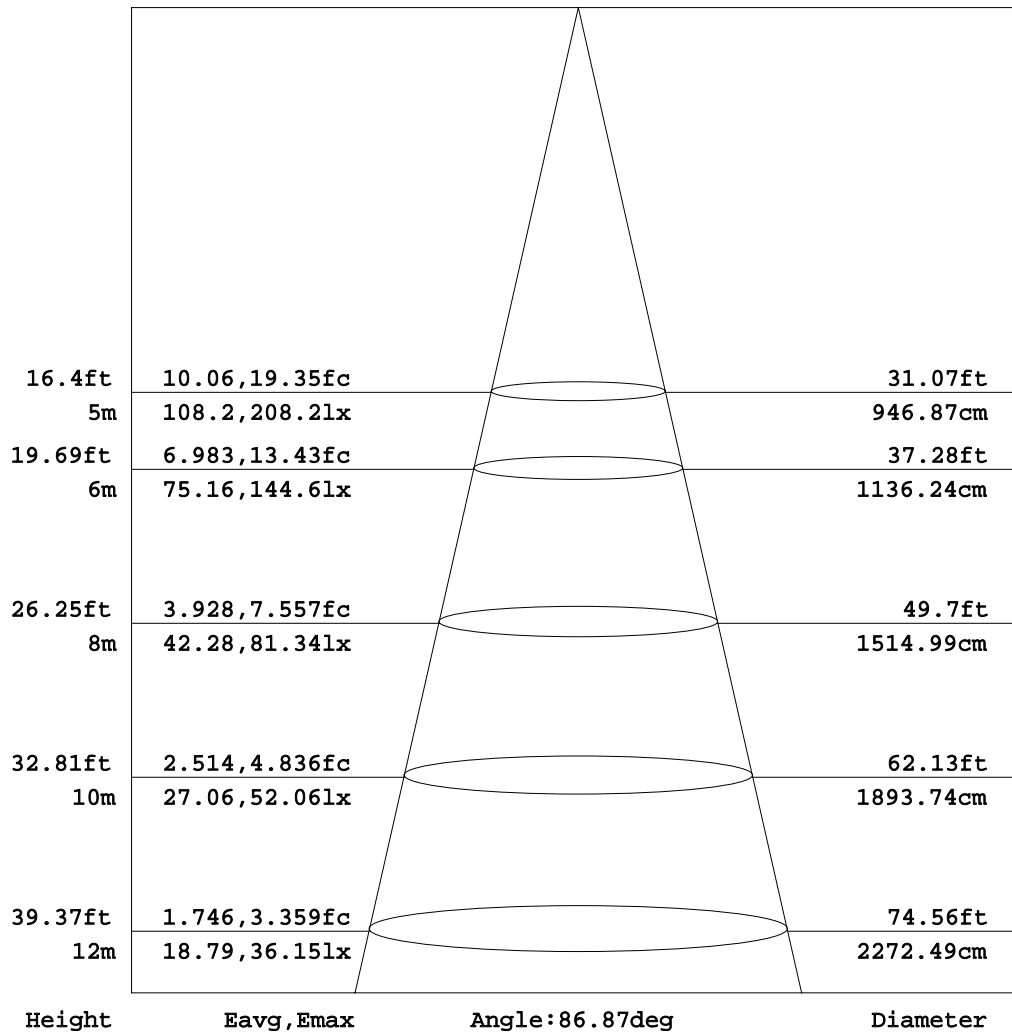
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25DEG
Operators: CHEN YU
Test Date: 2017-04-28

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.287
Humidity: 65.0%
Test Distance: 9.410m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.9V I:0.7080A P:153.9W PF:0.9840 Lamp Flux:18955.6x1 lm		
NAME: SHOE BOX	TYPE:YHL-ST9-150	WEIGHT:
SPEC.:WEAN WELL	DIM.: 5000K	SERIAL No.:20170428
MFR.:	SUR.:70Ra	PROTECTION ANGLE:

Flux out:7655 lm



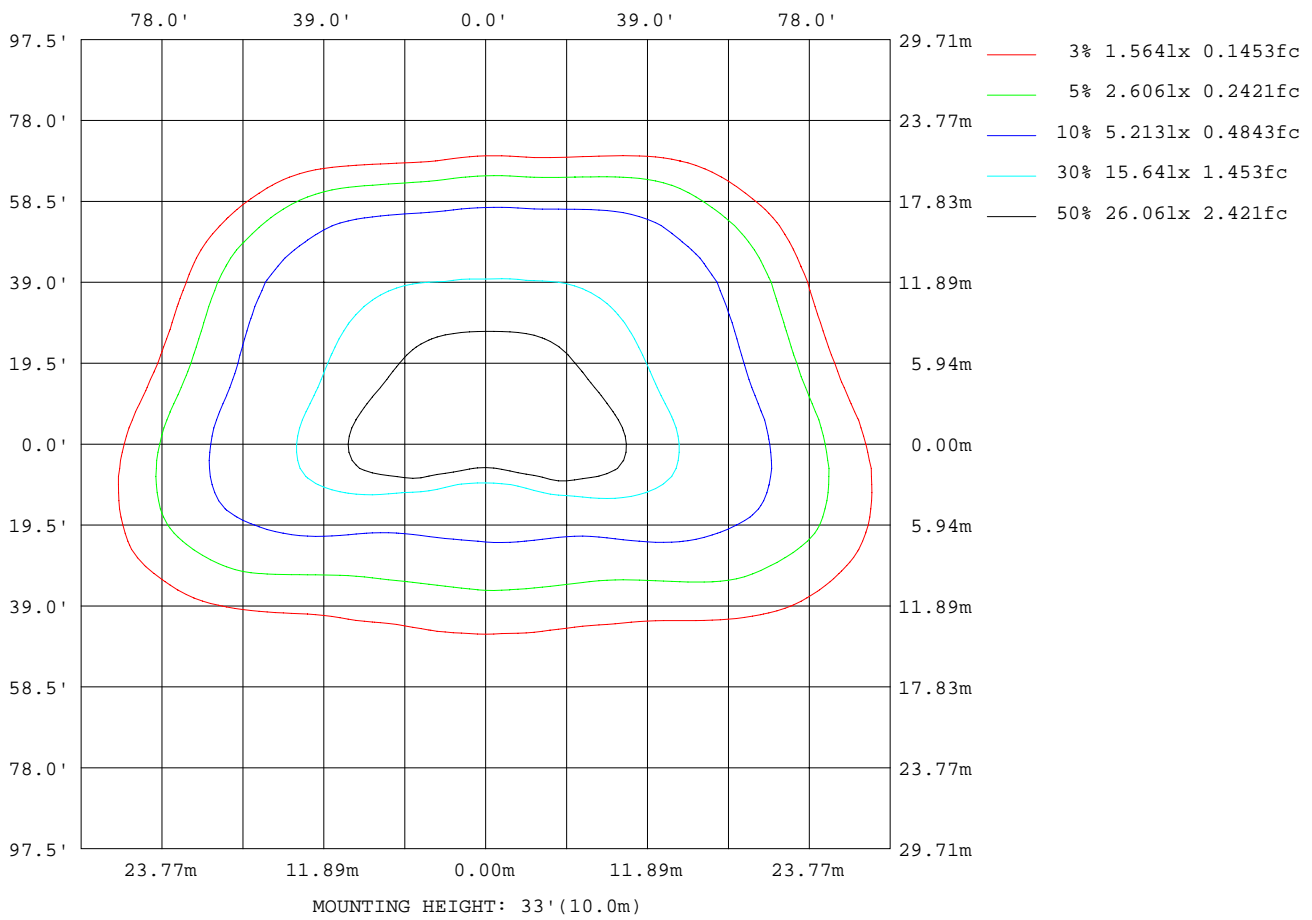
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:CHEN YU
 Test Date:2017-04-28

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:9.410m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

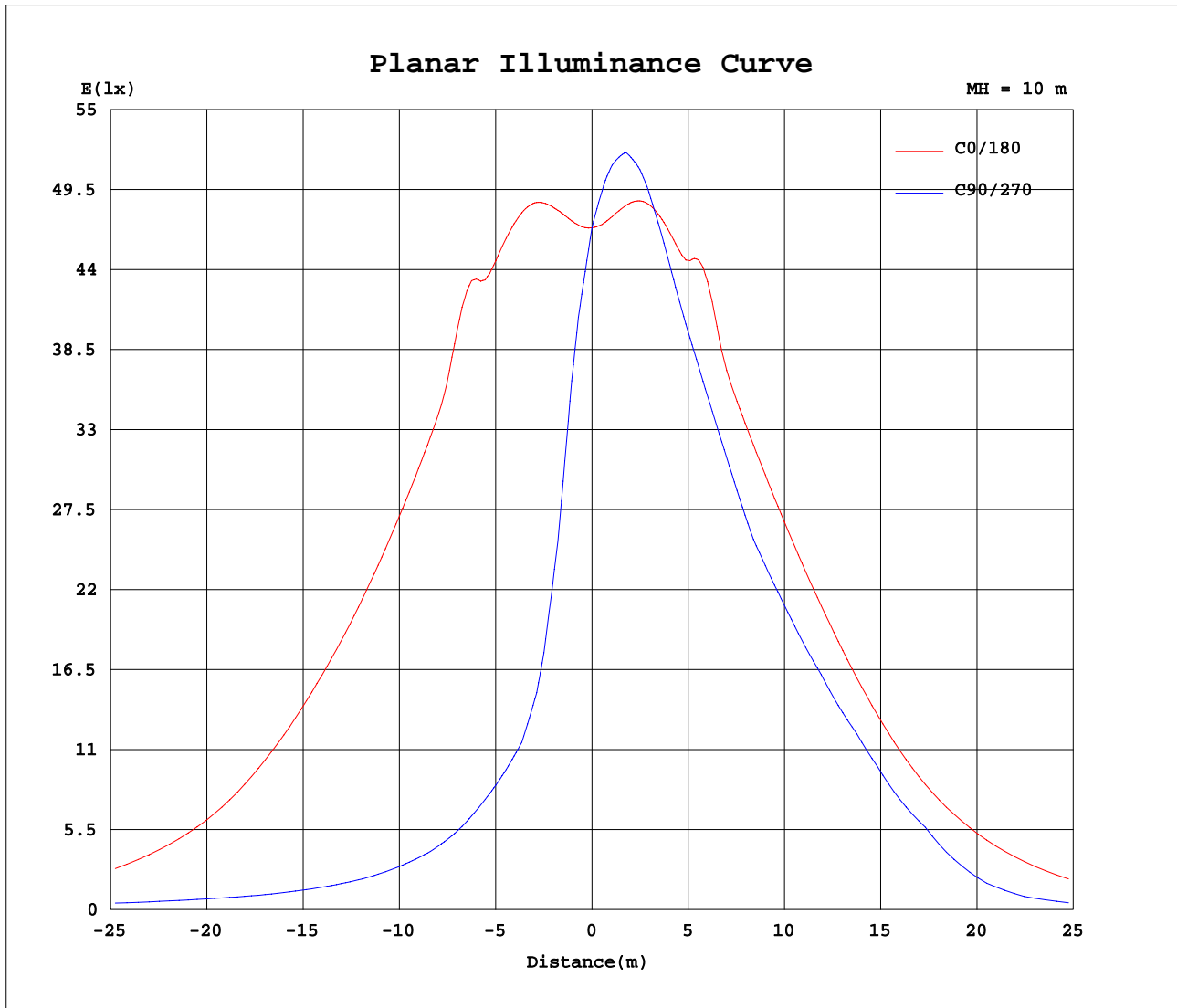
Test:U:220.9V I:0.7080A P:153.9W PF:0.9840 Lamp Flux:18955.6x1 lm		
NAME: SHOE BOX	TYPE:YHL-ST9-150	WEIGHT:
SPEC.:WEAN WELL	DIM.: 5000K	SERIAL No.:20170428
MFR.:	SUR.:70Ra	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:CHEN YU
 Test Date:2017-04-28

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:9.410m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: CHEN YU
 Test Date: 2017-04-28

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.287
 Humidity: 65.0%
 Test Distance: 9.410m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.9V I:0.7080A P:153.9W PF:0.9840 Lamp Flux:18955.6x1 lm		
NAME: SHOE BOX	TYPE:YHL-ST9-150	WEIGHT:
SPEC.:WEAN WELL	DIM.: 5000K	SERIAL No.:20170428
MFR.:	SUR.:70Ra	PROTECTION 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	4688	4688	4688	4688	4688	4688	4688	4688	4688	4688	4688	4688	4688	4688	4688	4688	4688	4688	4688
5	4774	4712	4649	4586	4522	4459	4397	4336	4278	4222	4170	4116	4061	4012	3972	3941	3918	3905	3899
10	5034	4920	4803	4681	4555	4409	4229	4050	3848	3641	3449	3273	3114	2977	2862	2772	2707	2667	2655
15	5395	5246	5086	4918	4659	4361	4010	3662	3319	2996	2709	2462	2255	2089	1970	1896	1847	1817	1806
20	5774	5597	5409	5122	4732	4293	3824	3290	2784	2356	2043	1831	1694	1590	1512	1456	1418	1396	1388
25	6123	5936	5700	5307	4816	4220	3532	2894	2392	2014	1695	1542	1465	1401	1345	1297	1264	1244	1236
30	6652	6552	6306	5849	5184	4376	3535	2752	2189	1842	1600	1463	1369	1284	1217	1170	1139	1120	1108
35	7241	7030	6640	6049	5099	4118	3126	2395	1876	1578	1405	1273	1194	1132	1082	1043	1015	996	982
40	7228	7121	6752	6033	5040	3940	2943	2146	1685	1421	1265	1154	1075	1019	975	941	918	903	892
45	7654	7580	7234	6363	5178	3958	2852	1997	1581	1332	1176	1070	998	947	907	878	859	848	841
50	8052	8000	7590	6620	5259	3920	2745	1974	1538	1282	1145	1045	969	910	867	835	811	801	798
55	8242	8180	7781	6674	5168	3806	2712	1959	1568	1320	1155	1039	951	892	852	826	804	790	790
60	7775	7806	7460	6422	4939	3725	2732	2096	1655	1368	1192	1069	969	909	871	834	810	796	794
65	6465	6647	6520	5813	4621	3680	2894	2209	1777	1462	1255	1122	1017	962	913	876	857	848	847
70	4481	4784	4891	4681	4042	3372	2771	2212	1816	1510	1296	1159	1055	992	944	906	884	870	866
75	2009	2327	2529	2735	2600	2231	1961	1715	1499	1325	1172	1050	967	904	865	817	779	747	769
80	532	712	843	962	1063	980	887	834	772	760	692	646	598	556	532	512	432	331	303
85	89.5	123	142	161	175	178	131	147	168	167	154	151	135	119	107	92.5	74.5	59.3	56.6
90	2.92	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

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:CHEN YU
 Test Date:2017-04-28

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:9.410m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.9V I:0.7080A P:153.9W PF:0.9840 Lamp Flux:18955.6x1 lm		
NAME: SHOE BOX	TYPE:YHL-ST9-150	WEIGHT:
SPEC.:WEAN WELL	DIM.: 5000K	SERIAL No.:20170428
MFR.:	SUR.:70Ra	PROTECTION 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	4688	4688	4688	4688	4688	4688	4688	4688	4688	4688	4688	4688	4688	4688	4688	4688	4688	4688	4688
5	4871	4904	4935	4964	4991	5015	5038	5058	5075	5089	5100	5109	5116	5121	5125	5127	5127	5127	5123
10	5187	5240	5289	5329	5359	5385	5402	5413	5423	5430	5436	5441	5444	5447	5449	5450	5450	5450	5449
15	5540	5599	5630	5650	5656	5663	5672	5651	5630	5615	5605	5599	5593	5586	5582	5581	5583	5587	5593
20	5871	5905	5903	5888	5859	5782	5719	5666	5622	5585	5562	5551	5548	5551	5559	5571	5582	5590	5594
25	6156	6142	6096	6003	5873	5756	5650	5553	5478	5460	5455	5462	5478	5499	5517	5532	5544	5553	5555
30	6759	6654	6491	6271	6059	5882	5714	5656	5596	5564	5565	5587	5590	5582	5573	5579	5591	5599	5601
35	6691	6570	6372	6192	6010	5951	5890	5911	5872	5914	5893	5830	5774	5723	5679	5653	5652	5667	5698
40	6863	6640	6400	6175	6057	5986	5991	5999	6042	6047	6023	5992	5921	5827	5750	5688	5661	5682	5747
45	7156	6865	6626	6489	6425	6422	6467	6505	6531	6511	6438	6324	6180	6034	5974	5932	5913	5936	5992
50	7365	7045	6858	6812	6849	6929	7029	7122	7115	7054	6917	6717	6486	6266	6190	6130	6082	6125	6219
55	7183	6857	6770	6853	7012	7204	7369	7477	7488	7446	7184	6816	6438	6120	5906	5832	5797	5871	6014
60	6165	5892	5897	6121	6423	6748	6972	7101	7020	6861	6381	5655	5047	4639	4452	4488	4529	4616	4722
65	4397	4123	4136	4311	4605	4911	5047	4955	4715	4382	3684	2903	2264	1860	1684	1698	1761	1798	1869
70	2099	1927	1854	1915	2082	2198	2095	1972	1711	1372	1110	851	668	534	456	443	471	462	484
75	548	458	412	425	473	528	562	530	440	391	350	331	314	287	272	263	259	270	283
80	135	155	163	176	199	211	220	224	228	218	207	193	175	158	147	135	127	138	152
85	41.8	46.4	50.4	53.4	60.8	65.6	64.9	65.4	74.4	78.9	73.8	65.0	55.1	47.9	39.3	33.3	30.6	34.9	42.9
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

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:CHEN YU
 Test Date:2017-04-28

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:9.410m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.9V I:0.7080A P:153.9W PF:0.9840 Lamp Flux:18955.6x1 lm		
NAME: SHOE BOX	TYPE:YHL-ST9-150	WEIGHT:
SPEC.:WEAN WELL	DIM.: 5000K	SERIAL No.:20170428
MFR.:	SUR.:70Ra	PROTECTION 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	4688	4688	4688	4688	4688	4688	4688	4688	4688	4688	4688	4688	4688	4688	4688				
5	5119	5113	5104	5095	5083	5067	5048	5026	5002	4976	4947	4917	4884	4848	4812				
10	5447	5444	5439	5433	5427	5419	5409	5398	5380	5352	5320	5276	5223	5165	5102				
15	5602	5613	5622	5632	5645	5662	5684	5702	5692	5683	5674	5650	5614	5549	5476				
20	5597	5602	5615	5635	5664	5700	5741	5791	5851	5923	5949	5964	5966	5931	5858				
25	5551	5548	5546	5546	5551	5577	5653	5746	5851	5966	6090	6183	6232	6248	6198				
30	5605	5616	5625	5609	5600	5614	5671	5699	5843	6011	6181	6373	6512	6636	6673				
35	5748	5806	5869	5941	6034	6022	6028	6127	6188	6346	6541	6765	6998	7148	7235				
40	5843	5951	6060	6119	6157	6184	6126	6132	6113	6186	6296	6528	6772	6995	7166				
45	6065	6189	6339	6455	6533	6560	6542	6509	6461	6485	6562	6711	6969	7261	7520				
50	6294	6498	6735	6943	7085	7146	7146	7073	6984	6921	6923	6995	7199	7529	7861				
55	6215	6550	6939	7307	7561	7633	7637	7538	7404	7260	7168	7142	7257	7604	7988				
60	4981	5474	6145	6890	7392	7576	7643	7527	7325	7101	6878	6737	6737	7018	7439				
65	2158	2724	3565	4586	5579	5950	6177	6286	6163	5841	5553	5347	5334	5576	6061				
70	590	806	1141	1616	2134	2691	3145	3493	3573	3429	3270	3148	3207	3446	3927				
75	303	341	387	453	533	628	850	1063	1125	1109	1030	1043	1105	1255	1537				
80	167	190	218	245	252	273	304	329	306	268	253	248	263	293	339				
85	54.4	67.1	83.4	101	116	119	116	118	111	102	101	98.0	93.6	79.7	79.0				
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				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:CHEN YU
 Test Date:2017-04-28

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:9.410m [K=1.0000]
 Remarks: