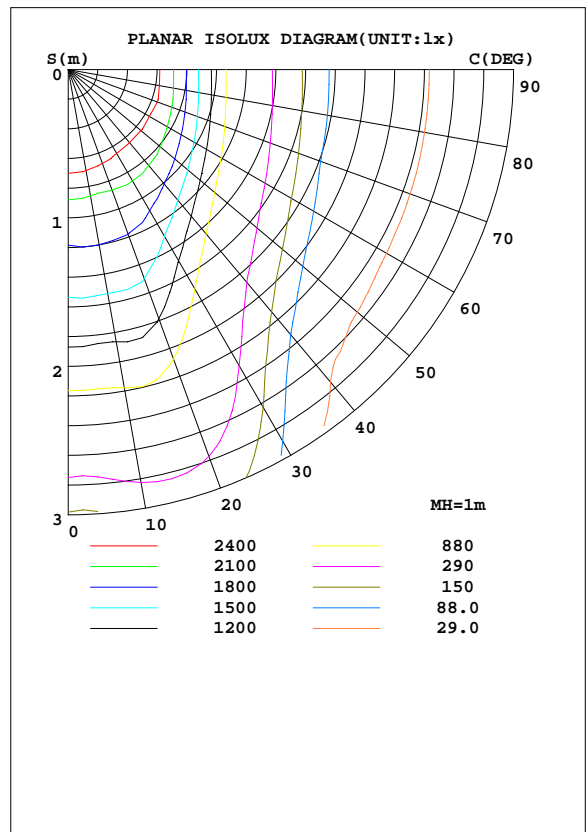
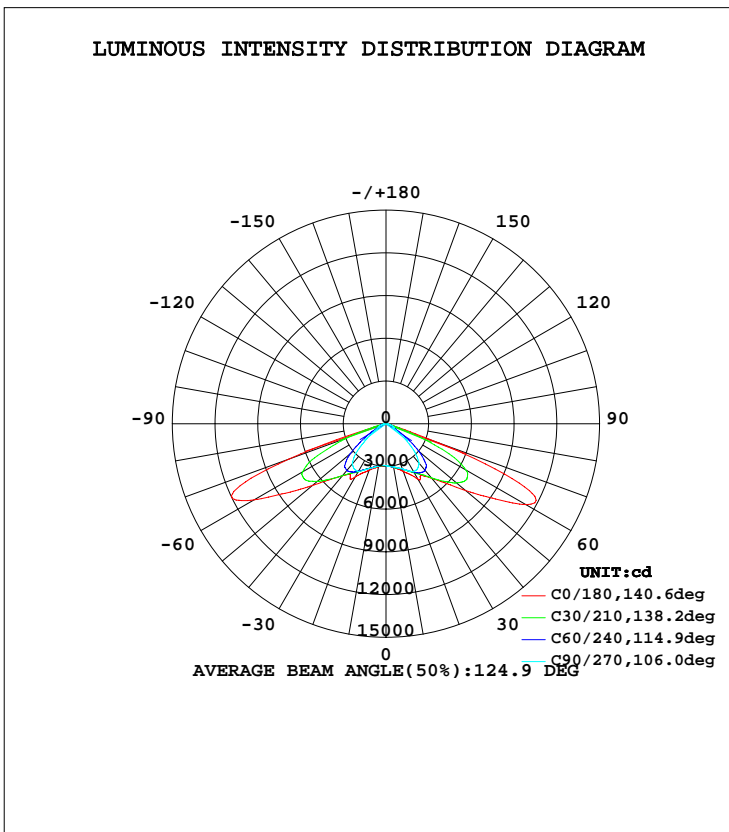


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:220.9V I:0.7078A P:153.8W PF:0.9839 Lamp Flux:18015.8x1 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: 117.10 lm/W			
MODEL	NVSW219CT 60pcs	I <sub>max</sub> (cd)	12233	S/MH(C0/180)	3.13
NOMINAL POWER(W)	153.8	LOR(%)	100.0	S/MH(C90/270)	1.55
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	18016	η UP, DN(C0-180)	0.0, 50.4
NOMINAL FLUX(lm)	18015.8	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 49.6
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.75
TEST VOLTAGE(V)	220	η down(%)	100.0	CIBSE SHR MAX	1.75



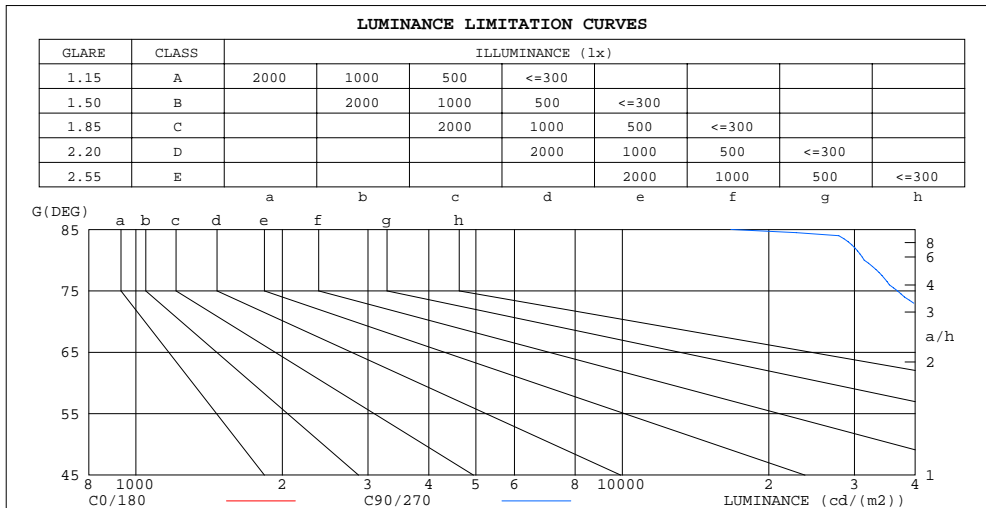
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:CHEN YU  
 Test Date:2017-04-28

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	297.2	295.2	294.6	296.6	299.4	301.0	300.2	299.4	0- 5	70.92	70.92	0.39,0.39
10	306.9	301.7	300.9	304.5	311.7	310.3	307.9	307.7	5- 10	216.3	287.2	1.59,1.59
15	323.8	313.2	316.3	317.5	329.3	321.6	321.0	318.5	10- 15	371.7	659.0	3.66,3.66
20	348.4	331.7	334.1	336.2	358.5	338.4	336.5	334.3	15- 20	542.5	1202	6.67,6.67
25	380.2	354.4	358.4	360.9	391.4	362.0	364.0	355.8	20- 25	737.4	1939	10.8,10.8
30	430.2	383.5	388.7	393.6	451.3	394.7	389.7	387.0	25- 30	966.3	2905	16.1,16.1
35	435.9	421.9	388.2	433.7	442.7	435.7	385.5	426.9	30- 35	1212	4117	22.9,22.9
40	476.7	465.3	369.1	476.6	500.3	472.9	362.1	464.4	35- 40	1447	5565	30.9,30.9
45	553.2	490.2	304.7	495.7	587.9	488.9	291.9	483.2	40- 45	1692	7256	40.3,40.3
50	675.4	481.4	202.0	474.6	729.9	464.6	196.4	461.5	45- 50	1885	9142	50.7,50.7
55	844.6	389.9	127.0	364.5	910.2	355.0	106.0	358.2	50- 55	2011	11153	61.9,61.9
60	1069	242.7	71.77	190.4	1137	199.2	66.35	209.1	55- 60	2102	13255	73.6,73.6
65	1198	127.0	58.11	87.82	1112	79.06	56.04	85.47	60- 65	2115	15370	85.3,85.3
70	724.0	58.10	48.13	46.00	398.0	46.81	47.18	49.13	65- 70	1675	17045	94.6,94.6
75	55.06	38.00	30.46	30.35	34.49	32.54	29.86	34.51	70- 75	675.8	17721	98.4,98.4
80	24.24	23.78	17.46	16.04	23.00	18.92	16.93	21.18	75- 80	184.4	17906	99.4,99.4
85	18.44	10.55	4.661	5.123	14.17	6.996	4.523	8.519	80- 85	90.13	17996	99.9,99.9
90	0.2048	0	0	0	0.5194	0	0	0	85- 90	20.05	18016	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:×10cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	66130	16711
80	43620	31426
75	66477	36777
70	661551	43979
65	886156	42965
60	668116	44859
55	460144	69180
50	328358	98219
45	244493	134646

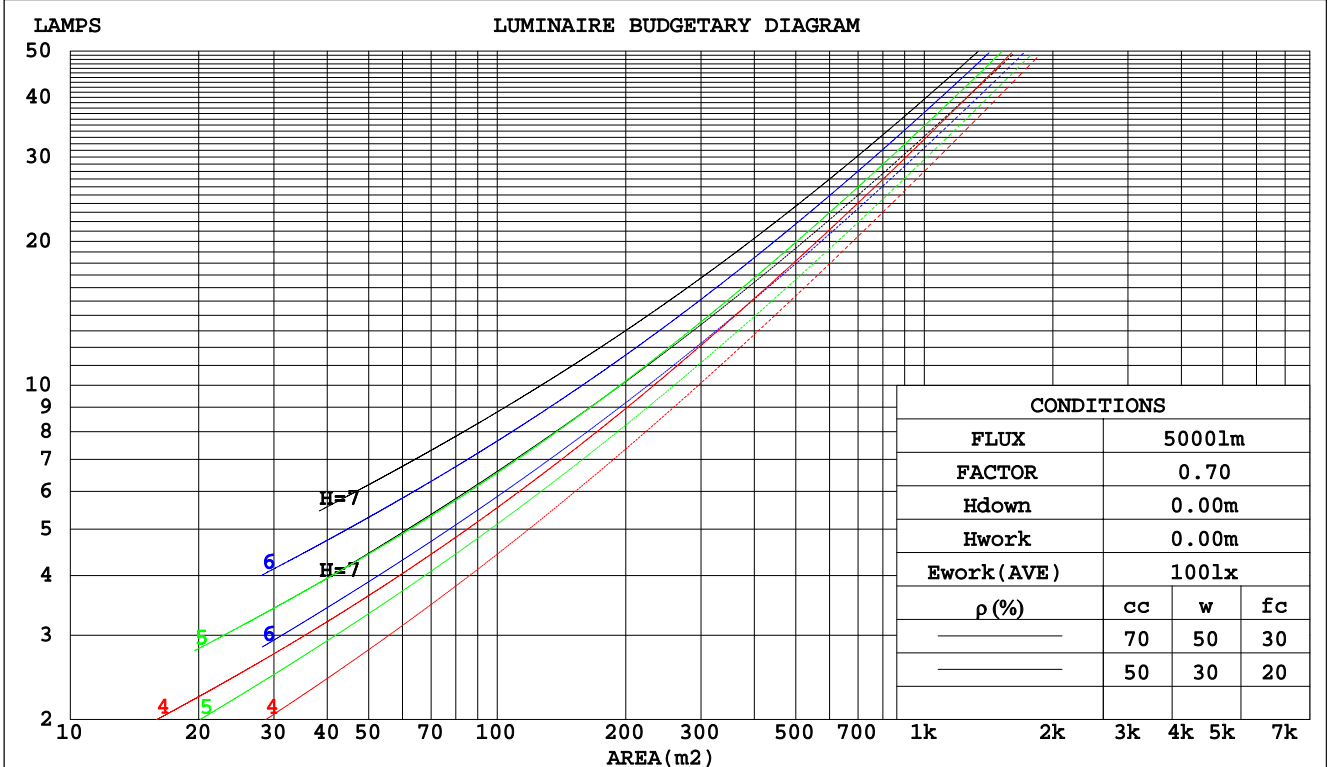
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:CHEN YU  
Test Date:2017-04-28

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:0.7078A P:153.8W PF:0.9839 Lamp Flux:18015.8x1 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	1.03	.99	.95	1.01	.97	.93	.97	.93	.90	.93	.90	.88	.89	.87	.85	.83
2.0	.88	.81	.75	.86	.80	.74	.83	.77	.72	.79	.75	.70	.76	.72	.69	.67
3.0	.76	.67	.60	.74	.66	.59	.71	.64	.58	.68	.62	.57	.66	.60	.56	.54
4.0	.66	.56	.48	.64	.55	.48	.62	.54	.47	.59	.52	.47	.57	.51	.46	.44
5.0	.57	.47	.40	.56	.47	.40	.54	.46	.39	.52	.45	.39	.50	.43	.38	.36
6.0	.51	.41	.34	.50	.40	.33	.48	.39	.33	.46	.38	.33	.44	.38	.32	.30
7.0	.45	.35	.29	.44	.35	.29	.43	.34	.28	.41	.34	.28	.40	.33	.28	.26
8.0	.40	.31	.25	.40	.31	.25	.38	.30	.25	.37	.30	.24	.36	.29	.24	.22
9.0	.37	.28	.22	.36	.27	.22	.35	.27	.22	.34	.26	.21	.33	.26	.21	.19
10.0	.33	.25	.19	.33	.25	.19	.32	.24	.19	.31	.24	.19	.30	.23	.19	.17



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:0.7078A P:153.8W PF:0.9839 Lamp Flux:18015.8x1 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	.321	.182	.058	.313	.179	.057	.300	.172	.055	.288	.166	.053	.277	.160	.052	
2.0	.312	.171	.053	.306	.169	.052	.294	.164	.051	.283	.159	.050	.273	.154	.049	
3.0	.293	.156	.047	.288	.154	.046	.277	.150	.046	.267	.146	.045	.258	.143	.044	
4.0	.272	.141	.042	.267	.140	.041	.258	.137	.041	.249	.134	.040	.240	.131	.040	
5.0	.252	.128	.037	.247	.127	.037	.239	.124	.037	.231	.122	.036	.223	.119	.036	
6.0	.233	.117	.033	.229	.116	.033	.221	.113	.033	.214	.111	.033	.207	.109	.032	
7.0	.216	.107	.030	.212	.106	.030	.206	.104	.030	.199	.102	.030	.193	.100	.030	
8.0	.201	.098	.028	.198	.097	.028	.192	.096	.027	.186	.094	.027	.180	.093	.027	
9.0	.187	.091	.025	.185	.090	.025	.179	.089	.025	.174	.087	.025	.169	.086	.025	
10.0	.176	.084	.023	.173	.084	.023	.168	.082	.023	.163	.081	.023	.159	.080	.023	

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	.079	.061	.053	.046	.020	.017	.015	
2.0	.175	.132	.096	.150	.113	.083	.103	.078	.058	.059	.046	.034	.019	.015	.011	
3.0	.169	.114	.071	.145	.099	.062	.099	.069	.043	.057	.040	.025	.018	.013	.008	
4.0	.162	.101	.055	.139	.088	.048	.096	.061	.034	.055	.036	.020	.018	.012	.007	
5.0	.156	.091	.044	.134	.079	.038	.092	.055	.027	.053	.032	.016	.017	.011	.005	
6.0	.149	.083	.036	.128	.072	.032	.088	.051	.022	.051	.030	.013	.017	.010	.004	
7.0	.142	.077	.031	.122	.066	.027	.084	.047	.019	.049	.027	.011	.016	.009	.004	
8.0	.135	.071	.027	.116	.062	.023	.081	.043	.017	.047	.025	.010	.015	.008	.003	
9.0	.129	.066	.024	.111	.057	.021	.077	.040	.015	.045	.024	.009	.015	.008	.003	
10.0	.123	.062	.021	.106	.054	.018	.073	.038	.013	.043	.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:0.7078A P:153.8W PF:0.9839 Lamp Flux:18015.8x1 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	38.3	40.0	38.6	40.2	40.4	27.3	29.0	27.6	29.2	29.4
3H	41.7	43.3	42.1	43.5	43.8	27.5	29.0	27.8	29.3	29.5
4H	41.8	43.3	42.1	43.5	43.8	27.6	29.1	27.9	29.3	29.6
6H	41.7	43.1	42.0	43.4	43.7	27.6	29.0	28.0	29.3	29.6
8H	41.7	43.0	42.0	43.3	43.6	27.7	29.0	28.0	29.3	29.6
12H	41.6	42.9	42.0	43.2	43.5	27.6	28.9	28.0	29.2	29.5
4H 2H	38.1	39.6	38.4	39.8	40.1	29.8	31.3	30.1	31.5	31.8
3H	41.7	42.9	42.0	43.2	43.6	29.9	31.2	30.2	31.5	31.8
4H	41.8	43.0	42.2	43.3	43.6	30.0	31.1	30.3	31.4	31.8
6H	41.7	42.8	42.1	43.1	43.5	30.0	31.0	30.4	31.4	31.8
8H	41.7	42.7	42.1	43.0	43.4	30.0	31.0	30.4	31.4	31.7
12H	41.7	42.5	42.1	42.9	43.3	30.0	30.9	30.5	31.3	31.7
8H 4H	41.7	42.6	42.1	43.0	43.4	30.9	31.9	31.3	32.2	32.6
6H	41.6	42.4	42.1	42.8	43.2	31.0	31.8	31.4	32.2	32.6
8H	41.6	42.3	42.1	42.7	43.2	31.0	31.7	31.5	32.2	32.6
12H	41.6	42.2	42.1	42.6	43.1	31.1	31.6	31.5	32.1	32.6
12H 4H	41.6	42.5	42.1	42.9	43.3	30.9	31.8	31.3	32.2	32.6
6H	41.6	42.3	42.1	42.7	43.2	31.0	31.7	31.5	32.1	32.6
8H	41.6	42.2	42.1	42.6	43.1	31.1	31.7	31.5	32.1	32.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.6					+ 1.5 / - 2.2				
1.5H	+ 1.1 / - 2.1					+ 1.3 / - 1.6				
2.0H	+ 2.0 / - 2.7					+ 2.7 / - 4.5				

CIE Pub.117 Corrected 18016 lm Total Lamp Luminous Flux.(8log(F/F0) = 10.0)

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:

UTILIZATION FACTORS TABLE

Test:U:220.9V I:0.7078A P:153.8W PF:0.9839 Lamp Flux:18015.8x1 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	49	36	28	48	36	28	47	35	28	21
0.80	60	47	38	59	46	38	57	45	38	30
1.00	69	57	48	68	56	48	66	58	48	40
1.25	78	66	58	76	65	57	73	63	56	48
1.50	83	72	64	82	71	64	78	69	63	54
2.00	92	82	75	90	81	74	86	79	73	64
2.50	97	88	81	94	87	80	90	84	79	70
3.00	101	93	87	98	92	86	94	89	84	75
4.00	105	99	94	103	98	93	99	94	90	81
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

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:0.7078A P:153.8W PF:0.9839 Lamp Flux:18015.8x1 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):

7256.3 lm

%lum = 40.3%

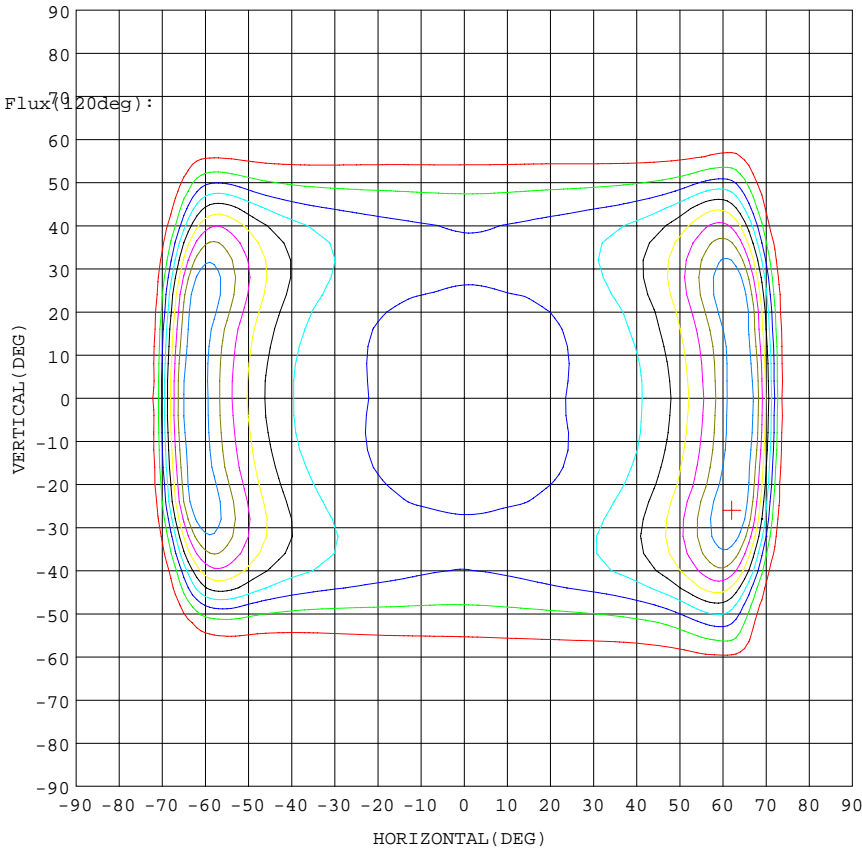
%lamp = 40.3%

Conical surface Flux(70deg):

13255 lm

%lum = 73.6%

%lamp = 73.6%



- 10% 1235
- 20% 2470
- 30% 3705
- 40% 4940
- 50% 6175
- 60% 7410
- 70% 8644
- 80% 9879
- 90% 11114

Imax:12349 (H62.0,V-26.0)  
(At:C=15.0,Gamma=65.0)

UNIT: cd

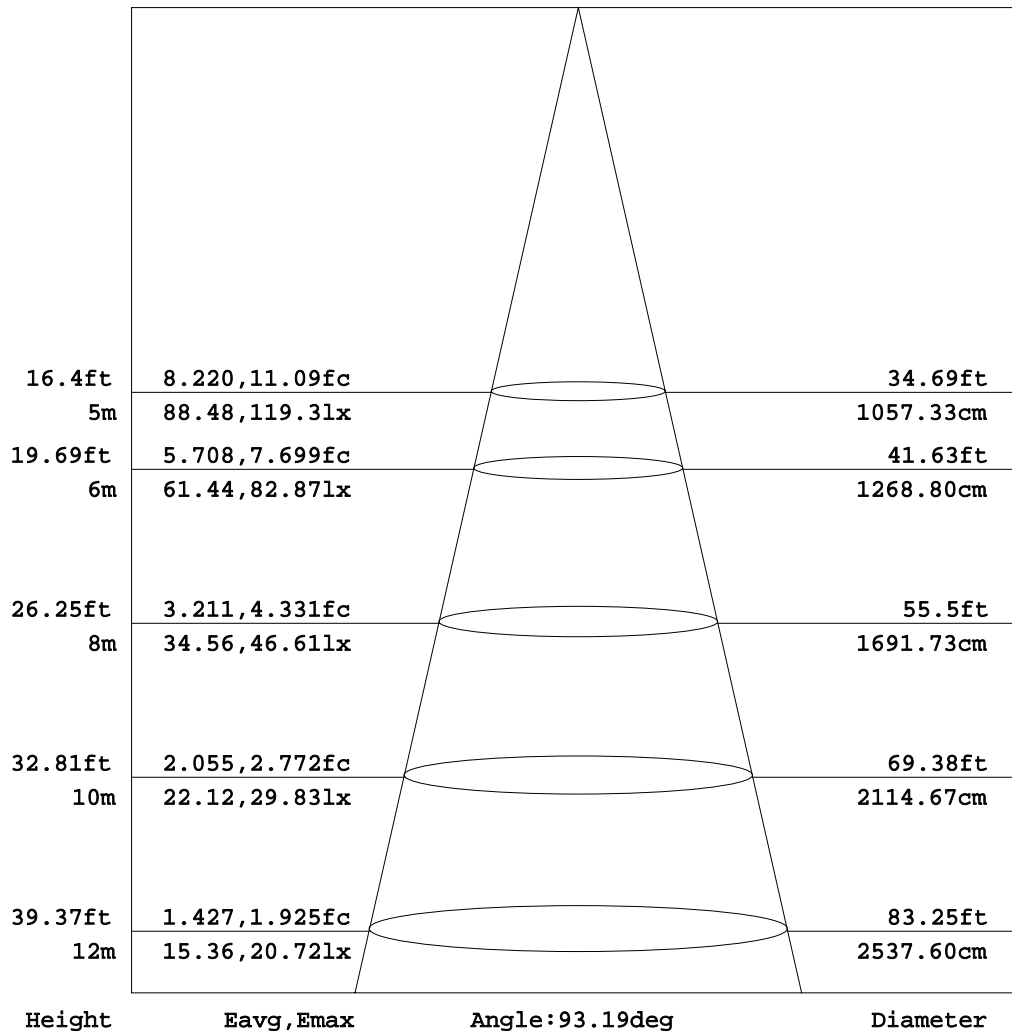
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:CHEN YU  
Test Date:2017-04-28

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:0.7078A P:153.8W PF:0.9839 Lamp Flux:18015.8x1 lm		
NAME: SHOE BOX	TYPE:YHL-ST9-150	WEIGHT:
SPEC.:WEAN WELL	DIM.: 5000K	SERIAL No.:20170428
MFR.:	SUR.:70Ra	PROTECTION ANGLE:

Flux out:7991 lm



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

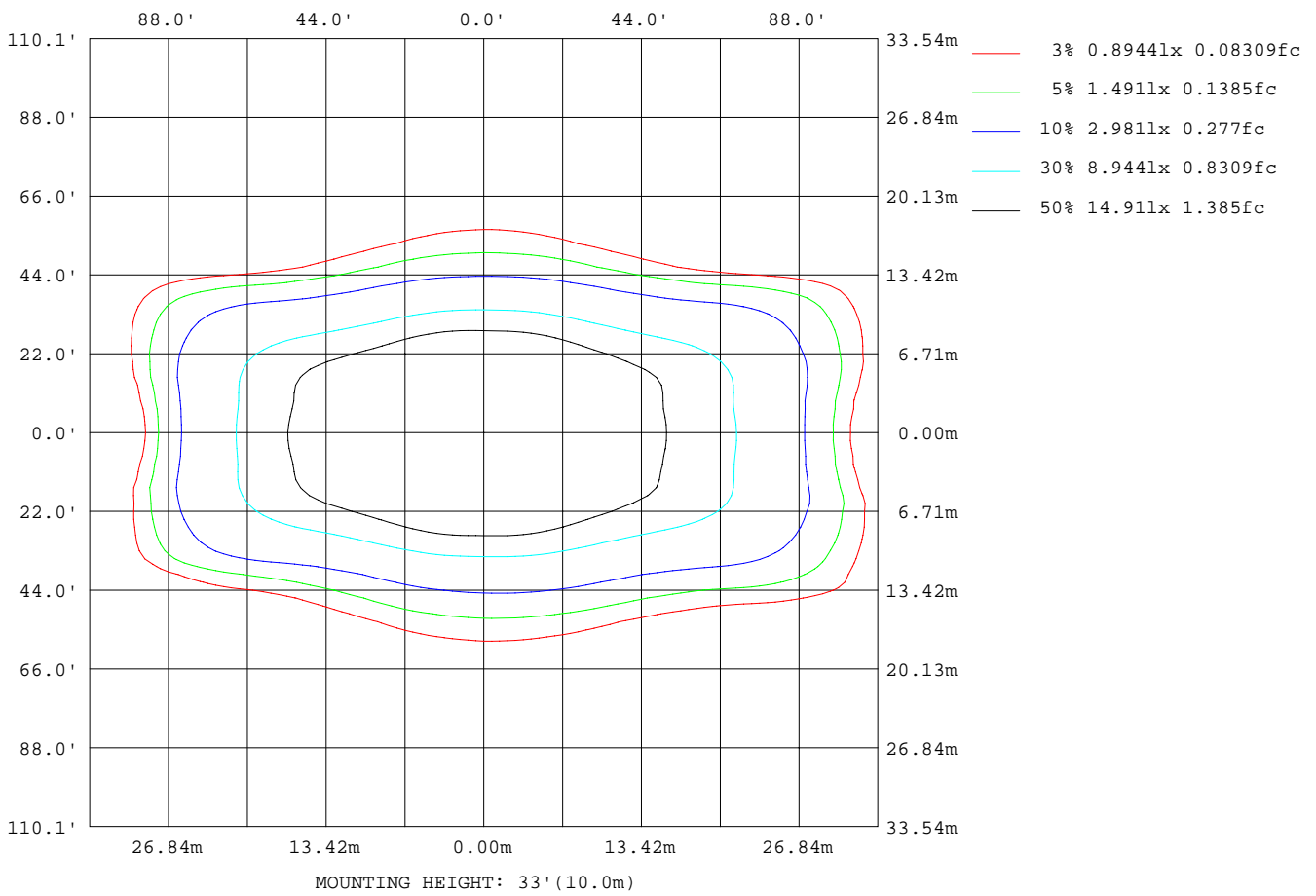
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:CHEN YU  
 Test Date:2017-04-28

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**

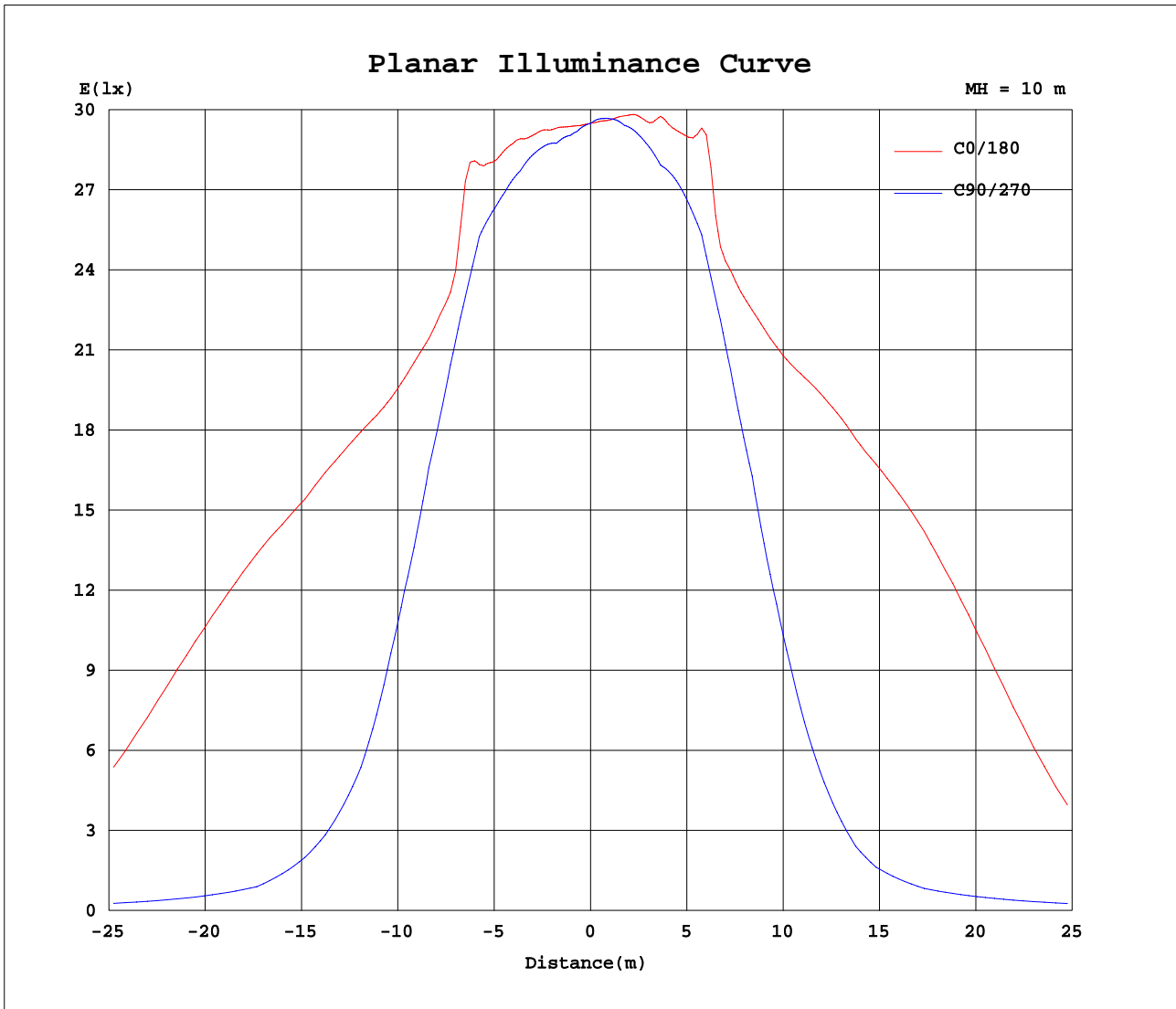
Test:U:220.9V I:0.7078A P:153.8W PF:0.9839 Lamp Flux:18015.8x1 lm		
NAME: SHOE BOX	TYPE:YHL-ST9-150	WEIGHT:
SPEC.:WEAN WELL	DIM.: 5000K	SERIAL No.:20170428
MFR.:	SUR.:70Ra	PROTECTION ANGLE:



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

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:0.7078A P:153.8W PF:0.9839 Lamp Flux:18015.8x1 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: x10cd

C( DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295
5	297	297	297	297	297	296	296	296	295	295	295	295	295	294	294	294	294	295	295
10	307	307	306	306	305	304	303	303	302	302	301	301	301	301	301	300	300	301	301
15	324	323	322	320	319	317	316	314	313	313	314	314	314	315	315	315	316	316	316
20	348	347	346	343	339	334	331	331	331	332	332	333	333	333	333	333	334	334	334
25	380	379	377	371	364	359	356	354	354	354	355	355	356	358	358	358	358	358	358
30	430	429	423	411	402	394	389	385	383	384	383	383	384	387	390	390	390	389	389
35	436	434	431	423	424	424	424	424	423	422	421	420	414	409	406	401	395	390	388
40	477	477	472	471	473	474	476	474	471	465	453	441	428	412	399	388	379	372	369
45	553	555	553	556	557	556	548	536	514	490	462	437	408	378	354	336	320	309	305
50	675	680	680	677	674	660	630	585	530	481	420	372	329	289	258	235	218	207	202
55	845	850	846	838	835	778	689	588	481	390	311	249	210	183	162	146	136	130	127
60	1069	1065	1058	1071	1013	862	676	496	344	243	186	147	121	104	91.3	82.4	76.5	73.0	71.8
65	1198	1190	1210	1223	1067	815	532	303	190	127	90.6	69.5	65.6	62.9	61.0	59.6	58.9	58.3	58.1
70	724	745	855	875	762	524	291	139	70.8	58.1	52.4	50.4	49.8	49.6	49.2	48.8	48.5	48.3	48.1
75	55.1	76.9	134	174	236	197	82.7	48.3	39.9	38.0	37.6	37.7	37.7	37.7	36.9	34.7	32.3	31.0	30.5
80	24.2	28.2	28.1	39.5	42.0	34.6	27.4	25.6	24.4	23.8	23.5	23.5	23.5	23.0	21.1	19.0	18.3	17.9	17.5
85	18.4	28.1	27.6	29.3	17.2	13.2	12.3	11.7	11.3	10.5	10.2	9.76	8.75	7.78	6.62	5.73	5.20	4.89	4.66
90	0.20	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:0.7078A P:153.8W PF:0.9839 Lamp Flux:18015.8x1 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: x10cd

C(DEG) \ γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295
5	300	300	301	301	301	301	301	301	301	301	301	301	301	301	300	300	300	300	300
10	312	312	312	312	312	311	311	310	310	310	309	309	309	309	308	308	308	308	308
15	329	328	326	325	324	323	322	322	322	322	322	321	321	321	321	321	321	321	321
20	354	350	346	343	339	339	338	338	338	339	339	339	338	338	337	337	336	336	336
25	386	381	375	371	366	363	362	362	362	362	363	365	367	367	366	365	364	364	364
30	434	422	412	404	399	395	393	395	396	395	394	394	395	396	394	391	390	389	390
35	440	435	437	436	436	437	438	436	431	428	420	413	408	403	395	389	385	386	390
40	497	497	497	496	496	493	484	473	458	443	427	410	396	384	374	366	362	363	369
45	589	589	588	584	571	550	519	489	456	428	395	363	339	321	306	296	292	294	303
50	727	722	714	691	646	586	520	465	398	347	304	268	241	221	207	199	196	199	208
55	897	907	882	802	687	571	452	355	279	222	183	155	134	118	111	107	106	107	112
60	1114	1120	1031	851	647	450	298	199	140	104	86.3	79.7	74.3	70.4	67.7	66.3	66.4	66.8	68.4
65	1139	1137	988	747	462	234	121	79.1	65.4	57.4	56.8	56.5	56.3	55.9	55.7	55.7	56.0	56.0	56.0
70	566	620	574	393	166	76.4	50.4	46.8	45.5	45.5	45.8	46.2	46.4	46.4	46.6	46.9	47.2	47.2	47.0
75	61.4	82.3	105	79.9	43.9	35.0	33.0	32.5	33.2	33.6	33.9	34.3	33.8	32.1	30.3	29.9	29.9	30.1	30.8
80	24.6	28.8	26.6	23.3	21.1	20.1	19.5	18.9	19.2	19.4	19.8	19.9	18.6	17.1	16.7	16.8	16.9	17.0	17.2
85	23.8	26.7	14.6	8.24	7.86	7.61	7.34	7.00	6.96	6.92	6.52	6.06	5.44	4.93	4.65	4.54	4.52	4.64	4.84
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      γ Range: 0 - 90DEG  
 C Interval: 5.0DEG      γ Interval: 0.5DEG  
 Test Speed: HIGH      Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.287  
 Temperature:25DEG      Humidity:65.0%  
 Operators:CHEN YU      Test Distance:9.410m [K=1.0000]  
 Test Date:2017-04-28      Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.9V I:0.7078A P:153.8W PF:0.9839 Lamp Flux:18015.8x1 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: x10cd

C( DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295				
5	300	300	300	300	299	299	299	299	299	299	299	299	298	298	298				
10	308	308	308	308	308	308	308	308	307	308	307	308	308	308	307				
15	320	320	320	320	319	319	318	318	319	319	320	320	321	323	323				
20	336	336	335	335	335	335	334	334	334	333	335	338	341	344	346				
25	364	363	362	359	356	355	356	356	356	357	360	364	369	374	378				
30	392	392	390	387	388	388	387	384	386	390	394	400	408	418	426				
35	397	403	408	414	421	424	427	429	427	425	427	429	427	433	435				
40	379	391	405	423	438	451	464	473	480	481	478	481	479	476	476				
45	319	338	362	393	424	452	483	509	534	552	561	562	565	558	556				
50	222	243	271	306	348	398	462	512	571	623	660	677	683	685	682				
55	120	137	159	188	228	284	358	449	557	663	762	833	850	847	849				
60	71.5	76.1	82.4	90.3	110	148	209	306	448	628	819	986	1071	1061	1058				
65	56.3	56.8	57.4	58.3	59.7	69.3	85.5	130	245	465	750	1001	1178	1210	1175				
70	46.9	47.0	46.9	46.7	46.6	47.0	49.1	53.7	82.9	181	449	703	817	831	735				
75	32.7	34.8	35.6	35.4	35.1	34.7	34.5	35.3	38.3	51.2	109	200	179	135	83.4				
80	17.6	19.3	21.2	21.5	21.4	21.1	21.2	21.7	22.5	23.8	27.4	33.2	34.1	28.5	28.6				
85	5.26	5.91	6.82	7.55	8.27	8.36	8.52	9.11	9.47	9.88	10.4	13.7	25.5	27.2	30.0				
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: