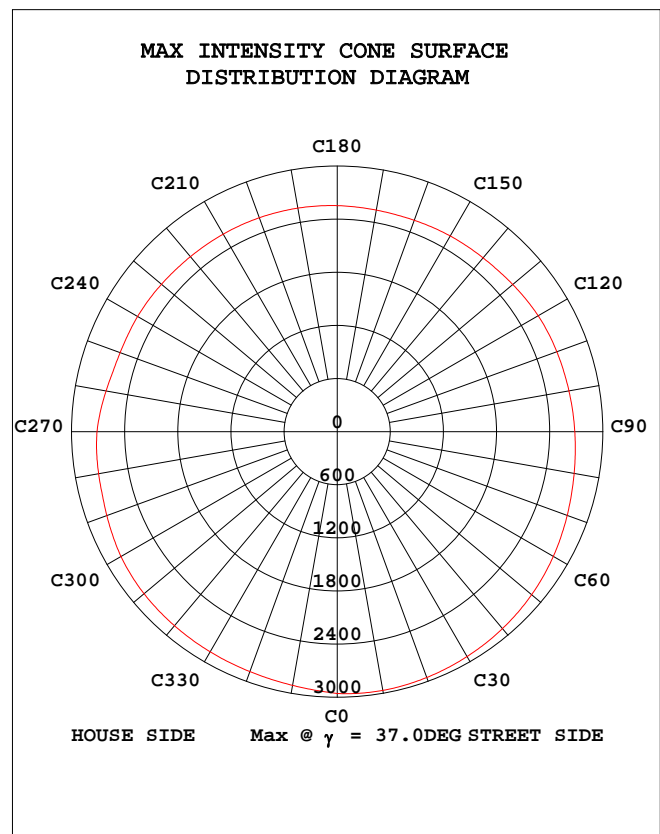
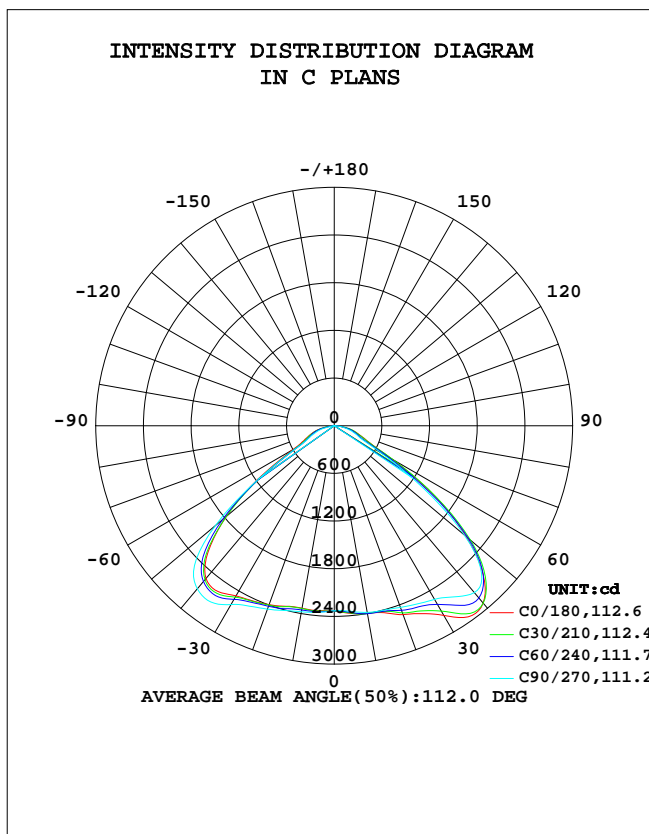


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: LED Tunnel Lights	TYPE:5S 3030	WEIGHT:2.3kg
SPEC.:	DIM.: 166*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*70 mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 125.00 lm/W			
MODEL	ZGSM-SDD60H6	I _{max} (cd)	2963	η street_up(%)	0.0
NOMINAL POWER(W)	60	LOR(%)	100.0	η street_down(%)	51.1
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	7500	η house_up(%)	0.0
NOMINAL FLUX(lm)	7500	MAXIMUM @(C,γ)	15,37.0	η house_down(%)	48.9
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	220.1	η down(%)	100.0	SLI	20.257

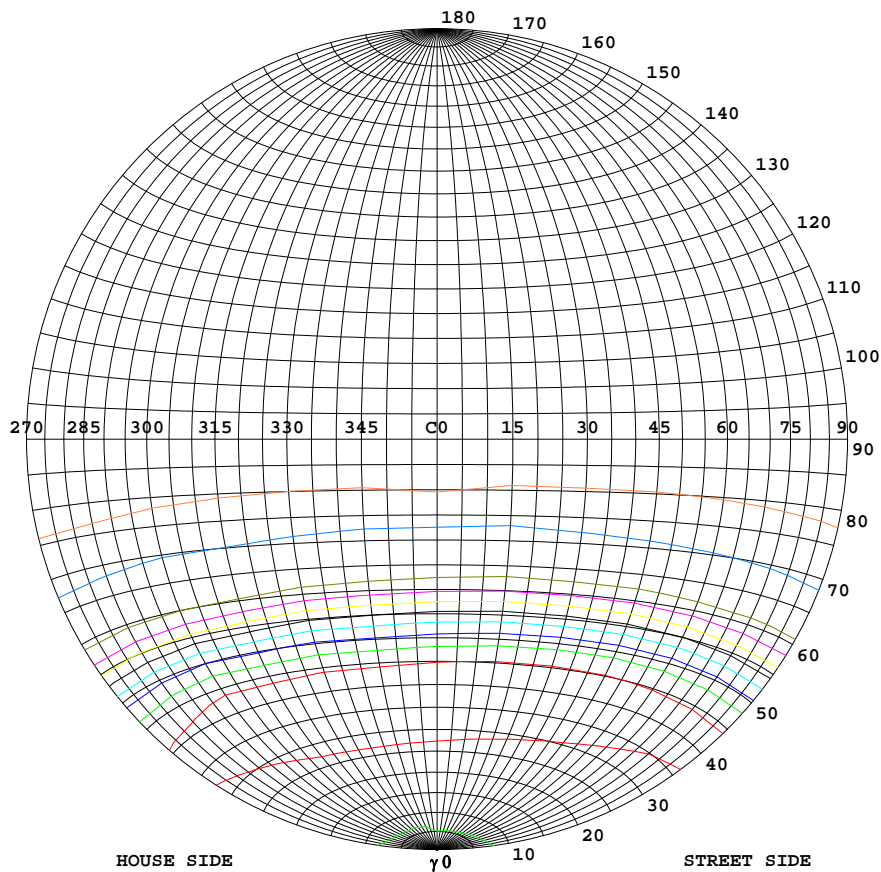


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.480m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

NAME: LED Tunnel Lights	TYPE:5S 3030	WEIGHT:2.3kg
SPEC.:	DIM.: 166*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*70 mm	Shielding Angle:



Classification:

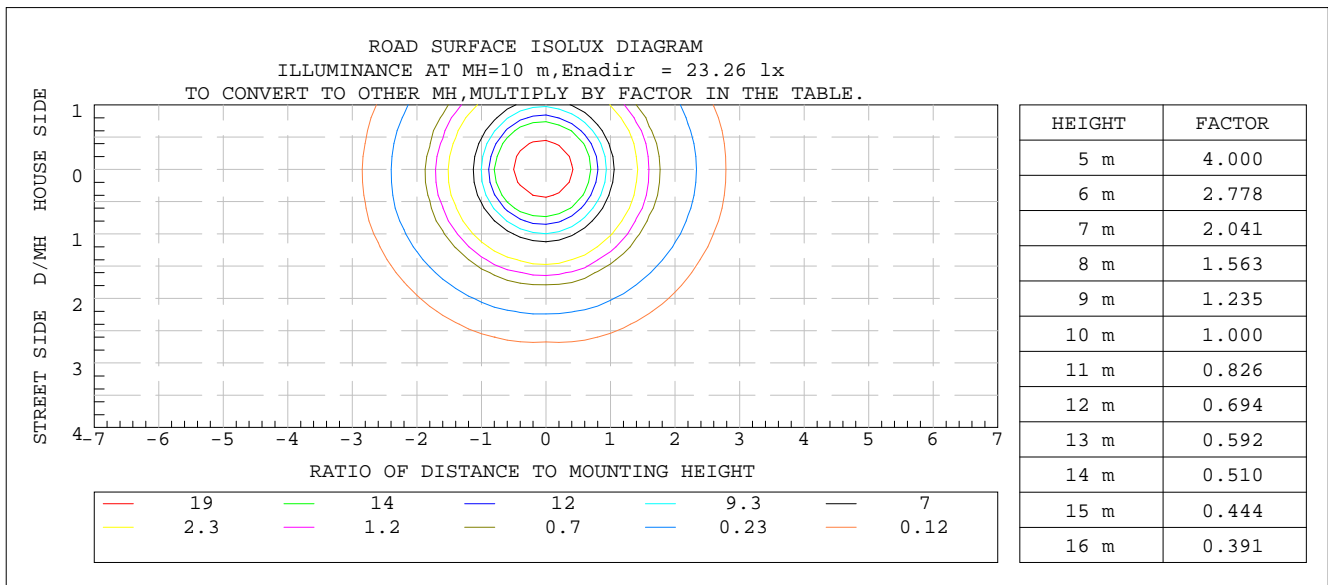
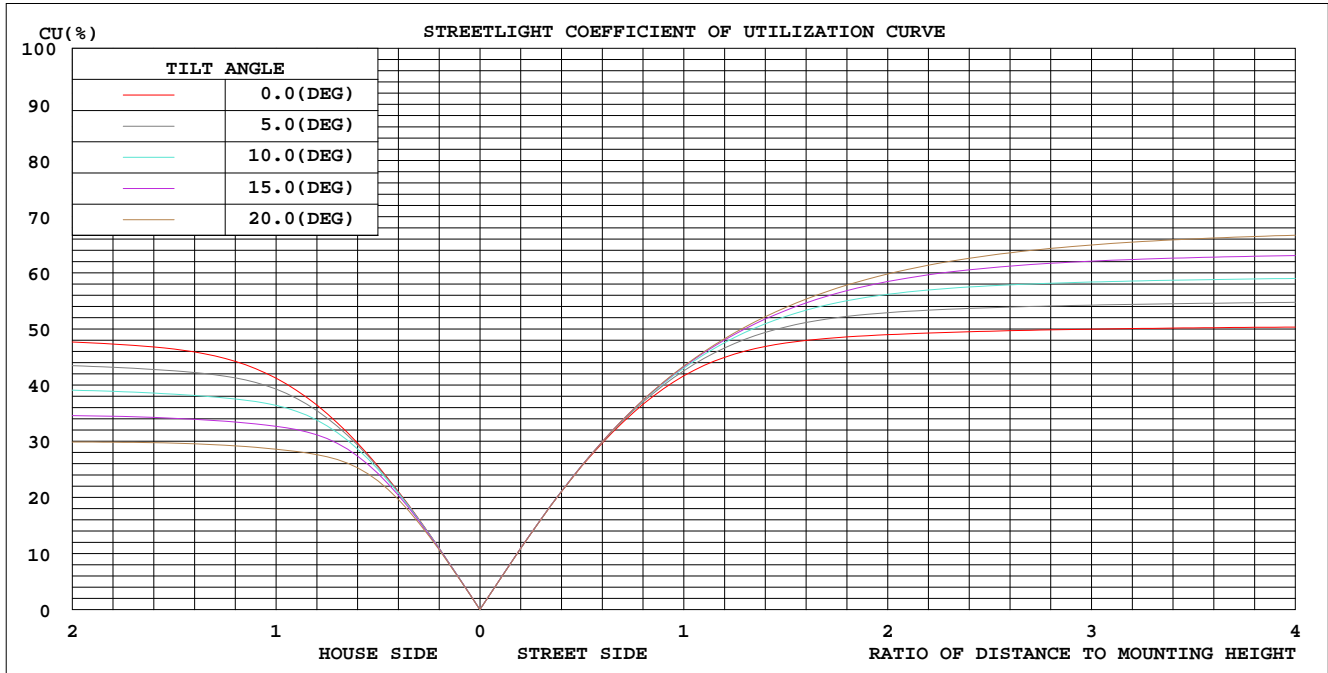
IES:Type V - Very Short
 CIE:Narrow - Short
 IES:Full cut-off
 CIE:Full cut-off
 Max.At80:22.60cd/klm
 Max.At90:0cd/klm
 Max.80-90:22.60cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2963
90%	2667
80%	2370
70%	2074
60%	1778
50%	1482
40%	1185
30%	889
20%	593
10%	296
5%	148

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2018

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.480m [K=1.0000]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2018

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 10.480m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

NAME: LED Tunnel Lights	TYPE:5S 3030	WEIGHT:2.3kg
SPEC.:	DIM.: 166*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*70 mm	Shielding Angle:

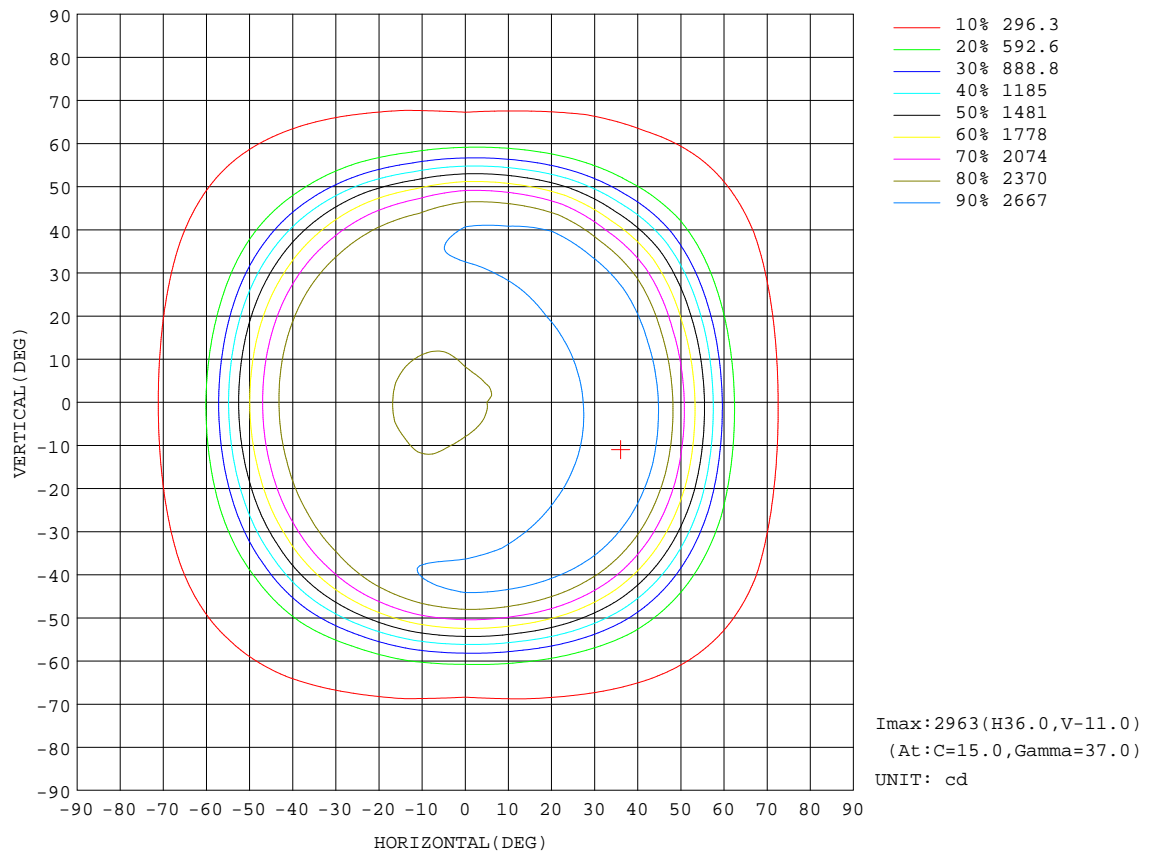
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
10	2395	2402	2385	2346	2332	2344	2377	2389	0- 10	225.0	225.0	3,3
20	2529	2487	2433	2401	2396	2410	2456	2504	10- 20	682.2	907.1	12.1,12.1
30	2756	2652	2524	2479	2472	2514	2597	2756	20- 30	1164	2071	27.6,27.6
40	2914	2878	2741	2553	2511	2535	2681	2811	30- 40	1687	3757	50.1,50.1
50	2165	2233	2137	1874	1773	1790	1950	2041	40- 50	1880	5637	75.2,75.2
60	835.5	831.5	669.9	619.2	602.8	517.2	504.3	623.3	50- 60	1161	6799	90.7,90.6
70	340.0	317.4	268.1	303.8	315.7	296.7	250.1	297.6	60- 70	412.7	7211	96.2,96.2
80	136.9	155.9	114.6	136.9	120.5	121.0	21.41	131.9	70- 80	231.1	7442	99.2,99.2
90	0	0	0	0	0	0	0	0	80- 90	57.06	7500	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		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.480m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

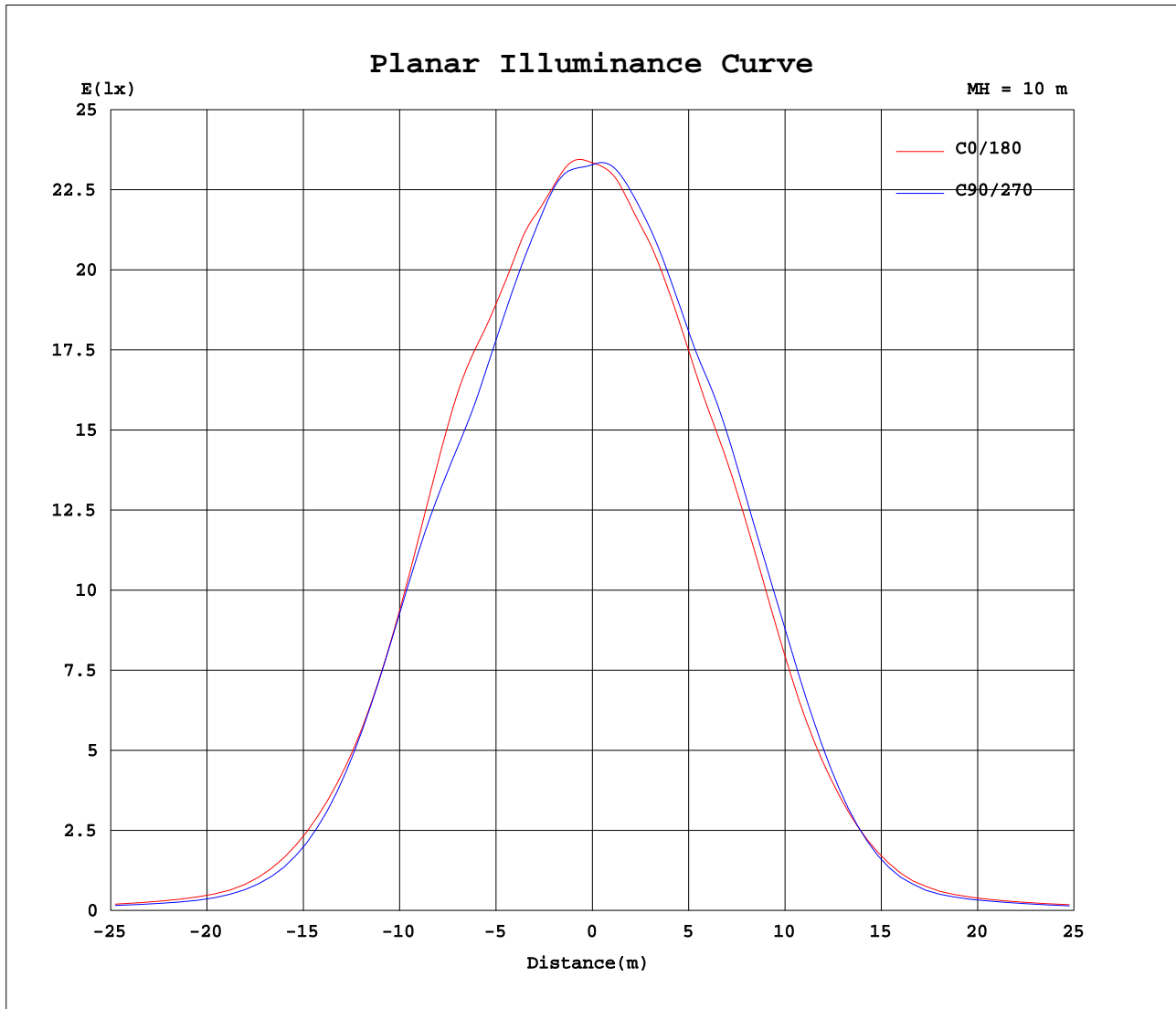
NAME: LED Tunnel Lights	TYPE:5S 3030	WEIGHT:2.3kg
SPEC.:	DIM.: 166*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*70 mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.480m [K=1.0000]
Remarks:

Planar Illuminance Curve



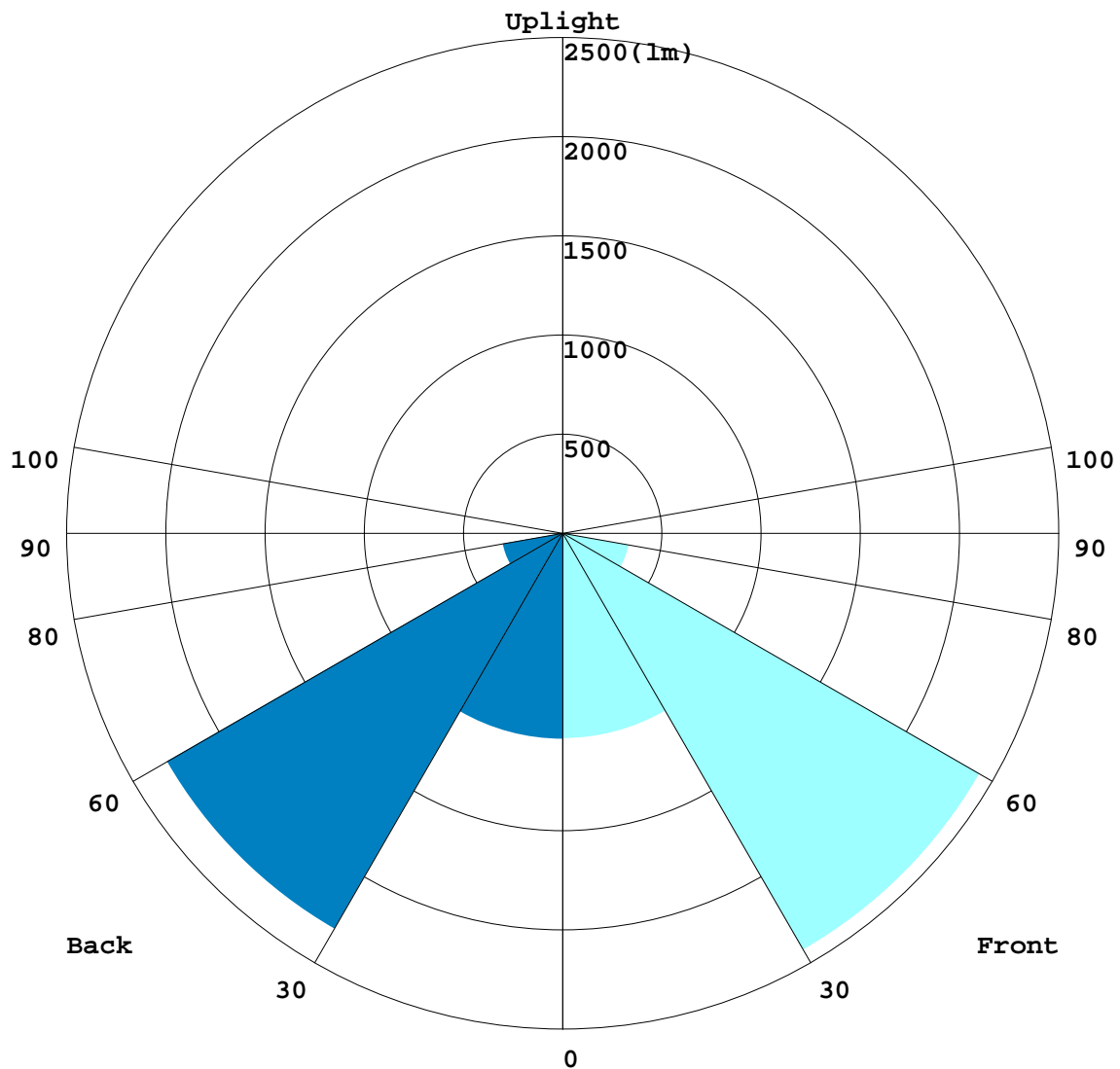
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2018

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 10.480m [K=1.0000]
 Remarks:

LCS REPORT

NAME: LED Tunnel Lights	TYPE:5S 3030	WEIGHT:2.3kg
SPEC.:	DIM.: 166*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*70 mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.480m [K=1.0000]
Remarks:

BUG REPORT

NAME: LED Tunnel Lights	TYPE:5S 3030	WEIGHT:2.3kg
SPEC.:	DIM.: 166*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*70 mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1034.1	13.8
FM - Front-Medium(30-60)	2425.7	32.3
FH - Front-High(60-80)	337.69	4.5
FVH - Front-Very High(80-90)	33.846	0.5
Total Forward Light	3831.4	51.1

BL - Back-Low(0-30)	1036.8	13.8
BM - Back-Medium(30-60)	2302.1	30.7
BH - Back-High(60-80)	306.06	4.1
BVH - Back-Very High(80-90)	23.219	0.3
Total Back Light	3668.1	48.9

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B3-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3668.1	0	3668.1
Street Side	3831.4	0	3831.4

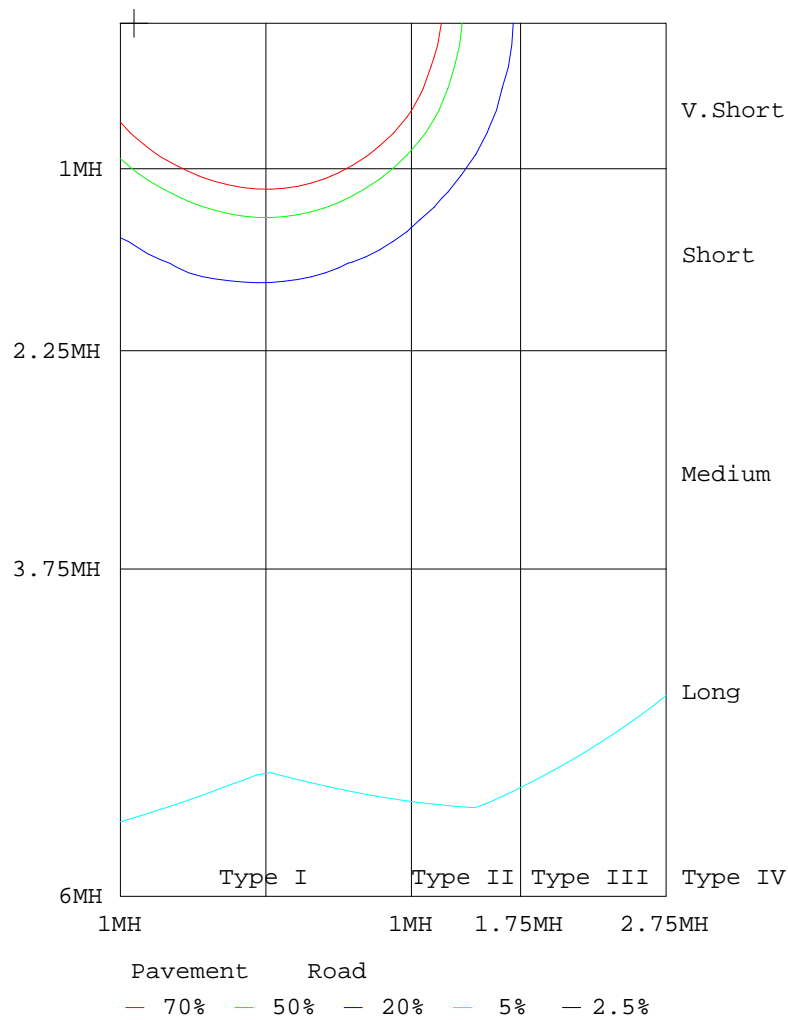
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.480m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

NAME: LED Tunnel Lights	TYPE:5S 3030	WEIGHT:2.3kg
SPEC.:	DIM.: 166*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*70 mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.480m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.480m [K=1.0000]
Remarks:

```

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γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.480m [K=1.0000]
Remarks:

```