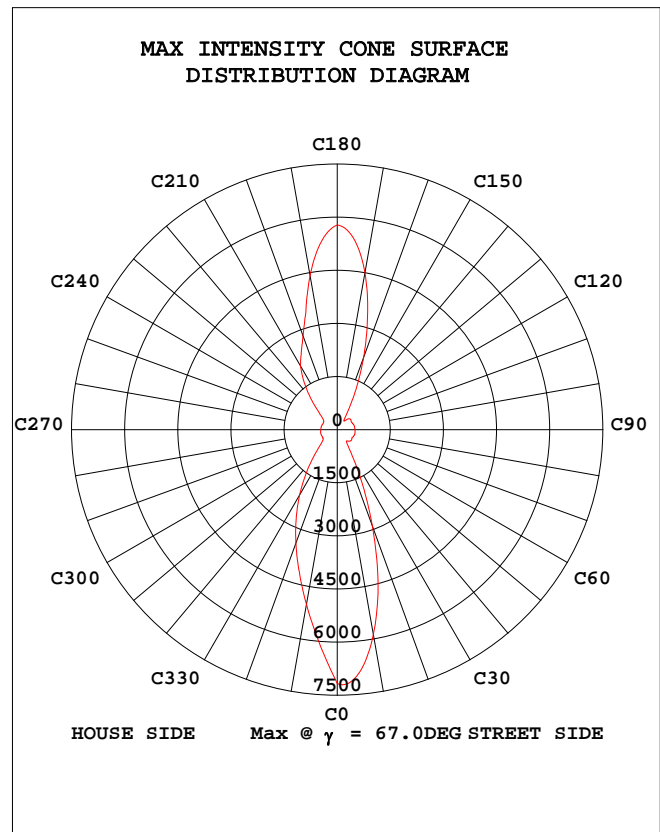
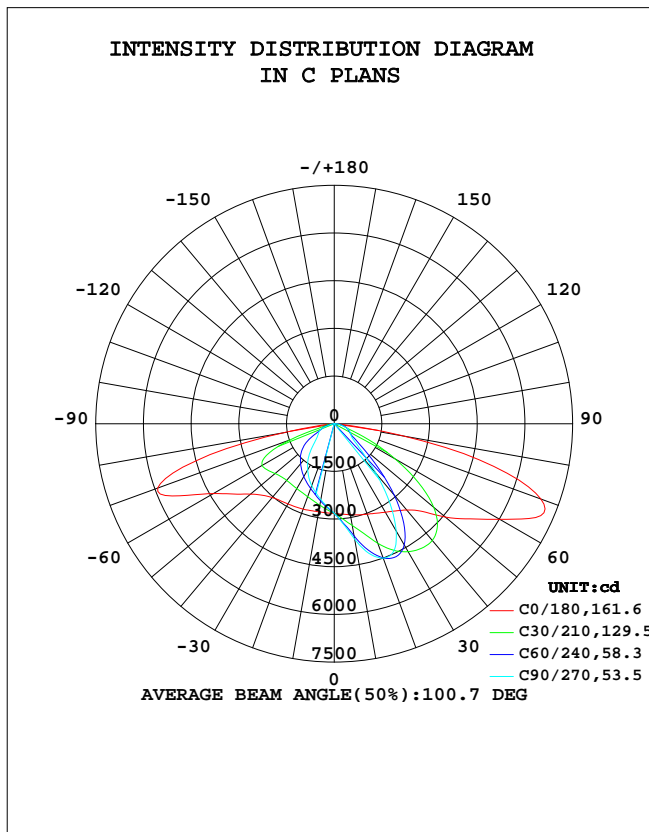


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: LED Tunnel Lights	TYPE:1M 3030	WEIGHT:3.5kg
SPEC.:	DIM.: 239*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*144 mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 140.00 lm/W			
MODEL	ZGSM-SDD80H4	I <sub>max</sub> (cd)	7168	η street_up(%)	0.0
NOMINAL POWER(W)	80	LOR(%)	100.0	η street_down(%)	57.3
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	11200	η house_up(%)	0.0
NOMINAL FLUX(lm)	11200	MAXIMUM @(C,γ )	0,67.0	η house_down(%)	42.7
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	220.1	η down(%)	100.0	SLI	24.675

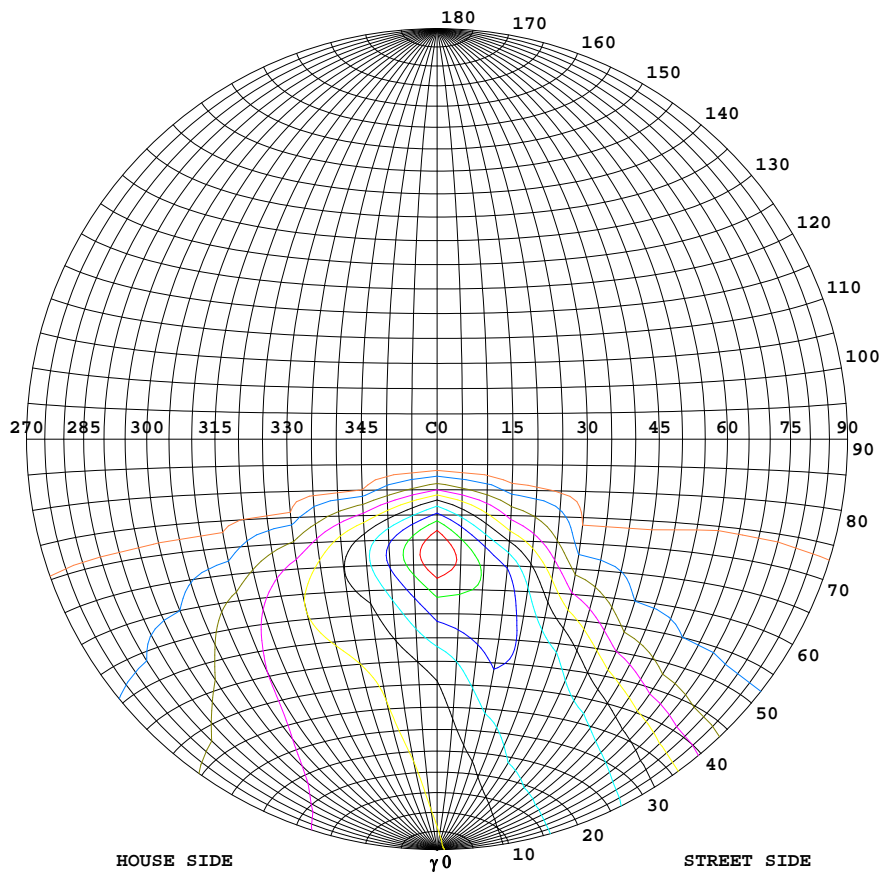


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2018

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:1M 3030	WEIGHT:3.5kg
SPEC.:	DIM.: 239*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*144 mm	Shielding Angle:



Classification:

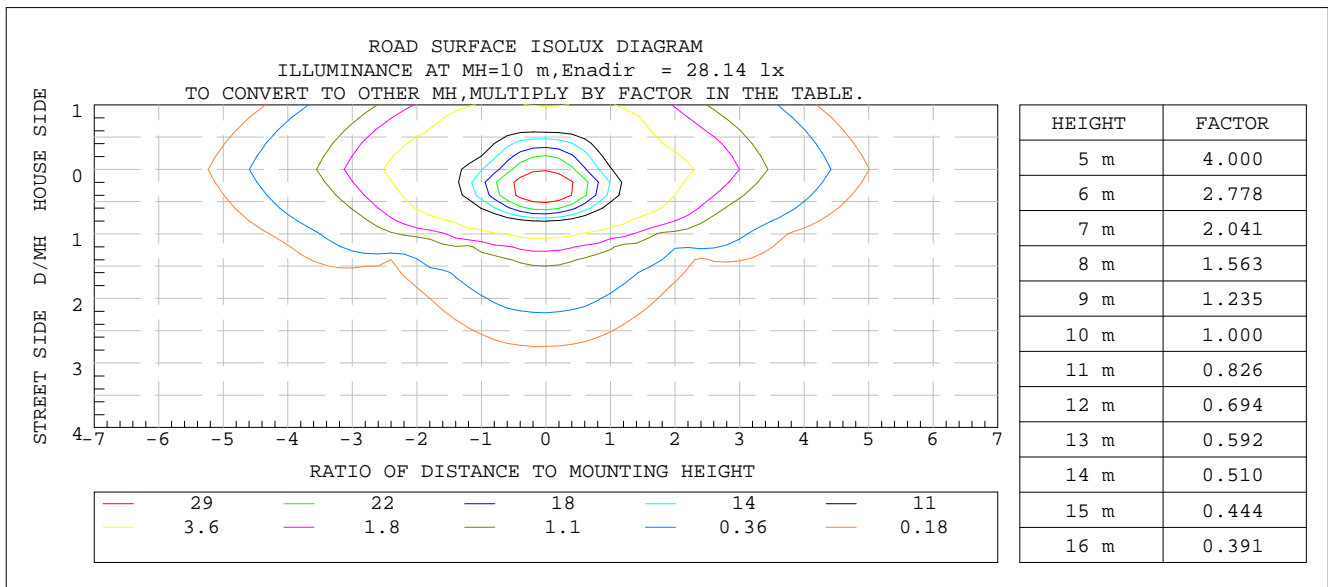
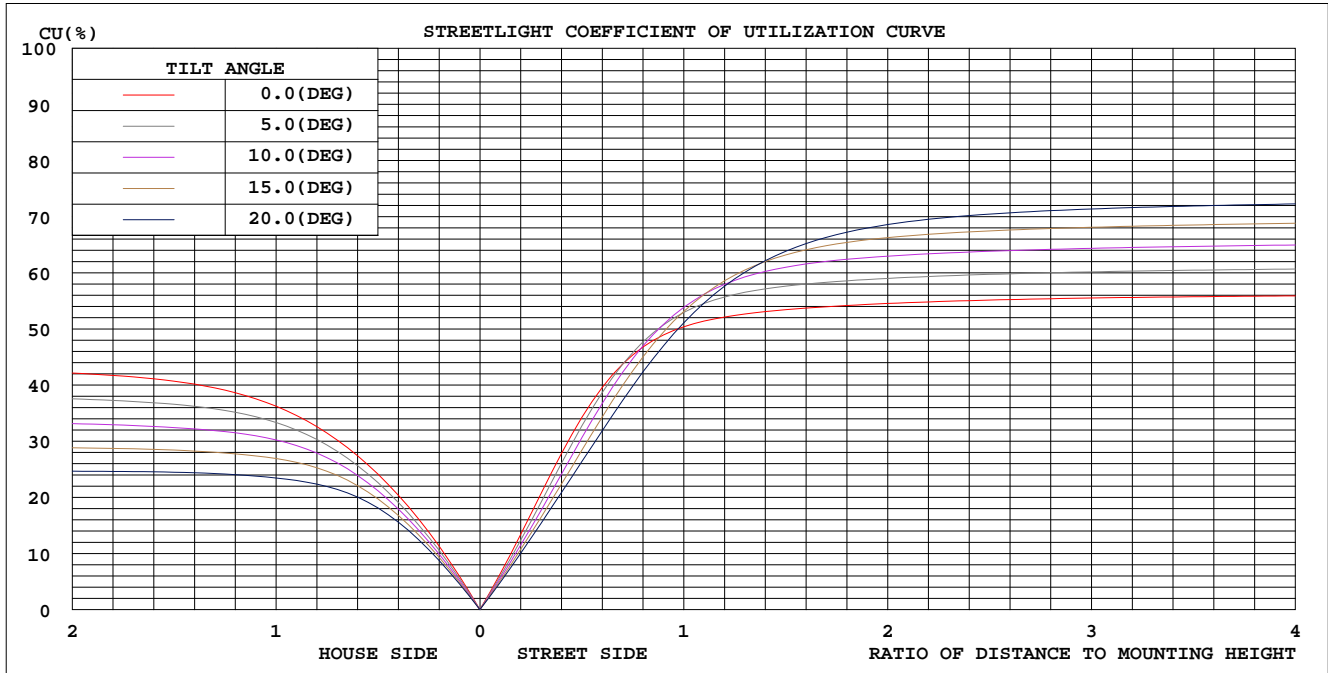
IES:Type I - Medium  
 CIE:Narrow - Intermediate  
 IES:Semi cut-off  
 CIE:Non-cut-off  
 Max.At80:191.4cd/klm  
 Max.At90:0cd/klm  
 Max.80-90:191.4cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7168
90%	6452
80%	5735
70%	5018
60%	4301
50%	3584
40%	2867
30%	2151
20%	1434
10%	717
5%	358

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

gamma Range: 0 - 90DEG  
 gamma 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

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:1M 3030	WEIGHT:3.5kg
SPEC.:	DIM.: 239*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*144 mm	Shielding Angle:

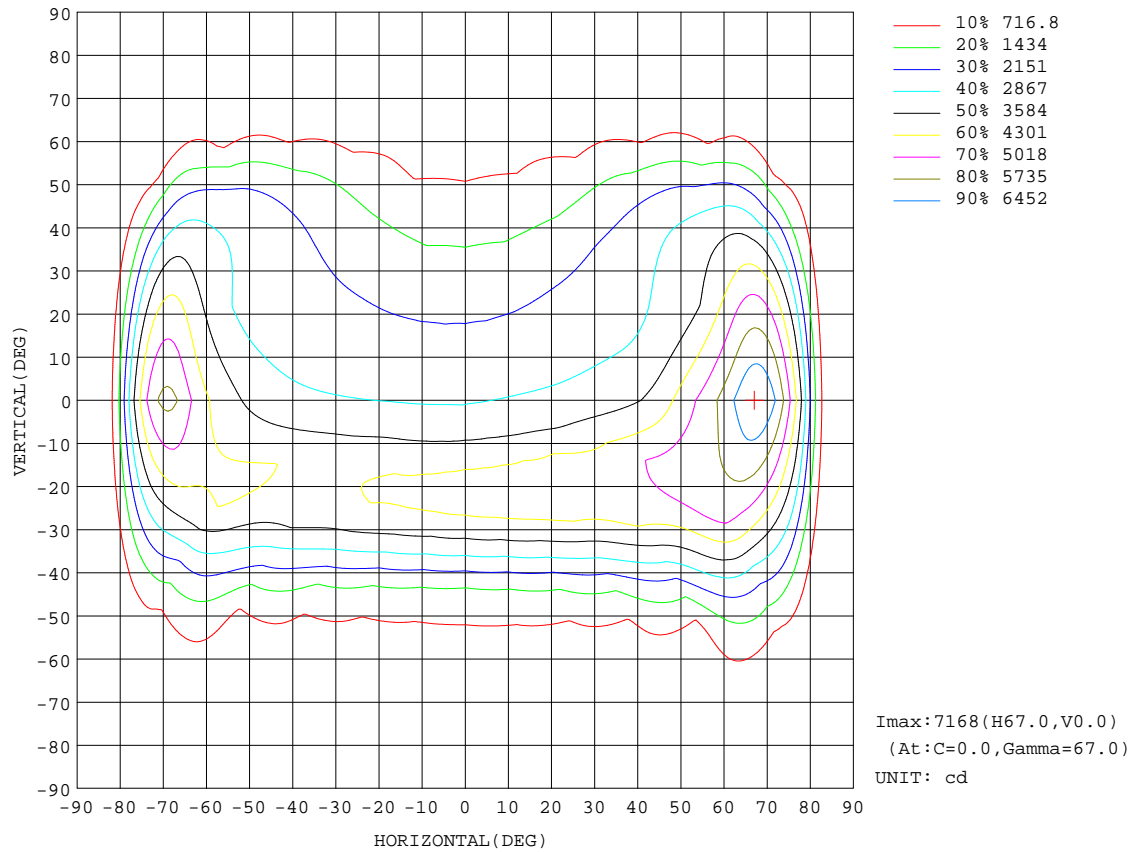
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
10	2907	3417	3676	3329	2813	2527	2427	2562	0- 10	276.0	276.0	2.46,2.46
20	3029	4345	4501	4131	2859	2287	2075	2374	10- 20	878.8	1155	10.3,10.3
30	3214	4713	3897	4371	2914	2139	1673	2272	20- 30	1489	2644	23.6,23.6
40	3544	3932	2062	3539	3032	2052	1194	2189	30- 40	1866	4511	40.3,40.3
50	4568	2161	797.4	1849	3446	2019	736.3	2086	40- 50	1918	6429	57.4,57.4
60	6018	709.2	584.1	632.7	4396	1646	569.5	1610	50- 60	1882	8311	74.2,74.2
70	6914	415.8	445.1	390.1	5909	466.8	373.6	487.8	60- 70	1767	10078	90,90
80	2144	219.2	178.5	198.5	1595	176.8	27.15	169.9	70- 80	986.3	11064	98.8,98.8
90	0	0	0	0	0	0	0	0	80- 90	135.3	11200	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

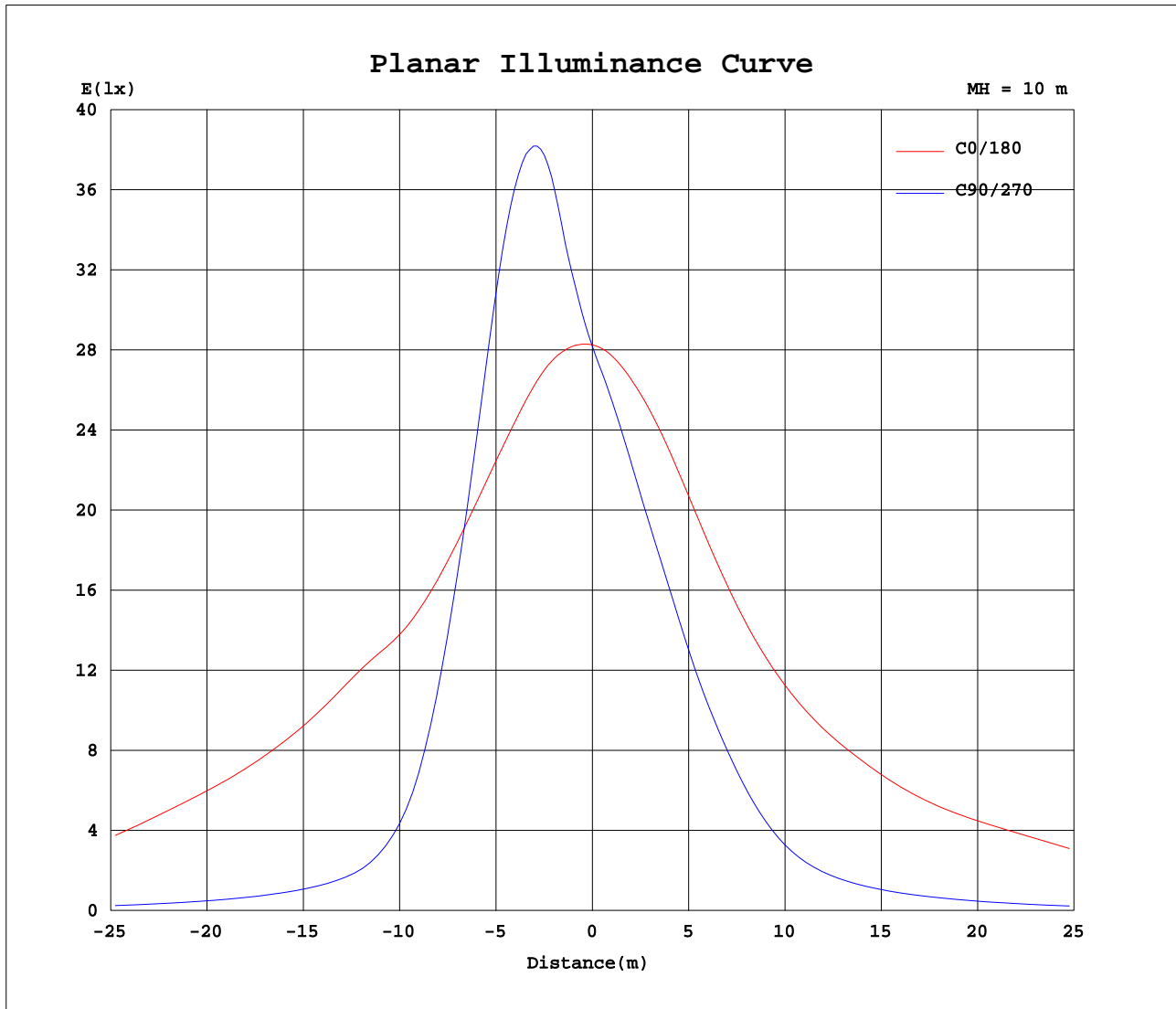
NAME: LED Tunnel Lights	TYPE:1M 3030	WEIGHT:3.5kg
SPEC.:	DIM.: 239*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*144 mm	Shielding Angle:



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

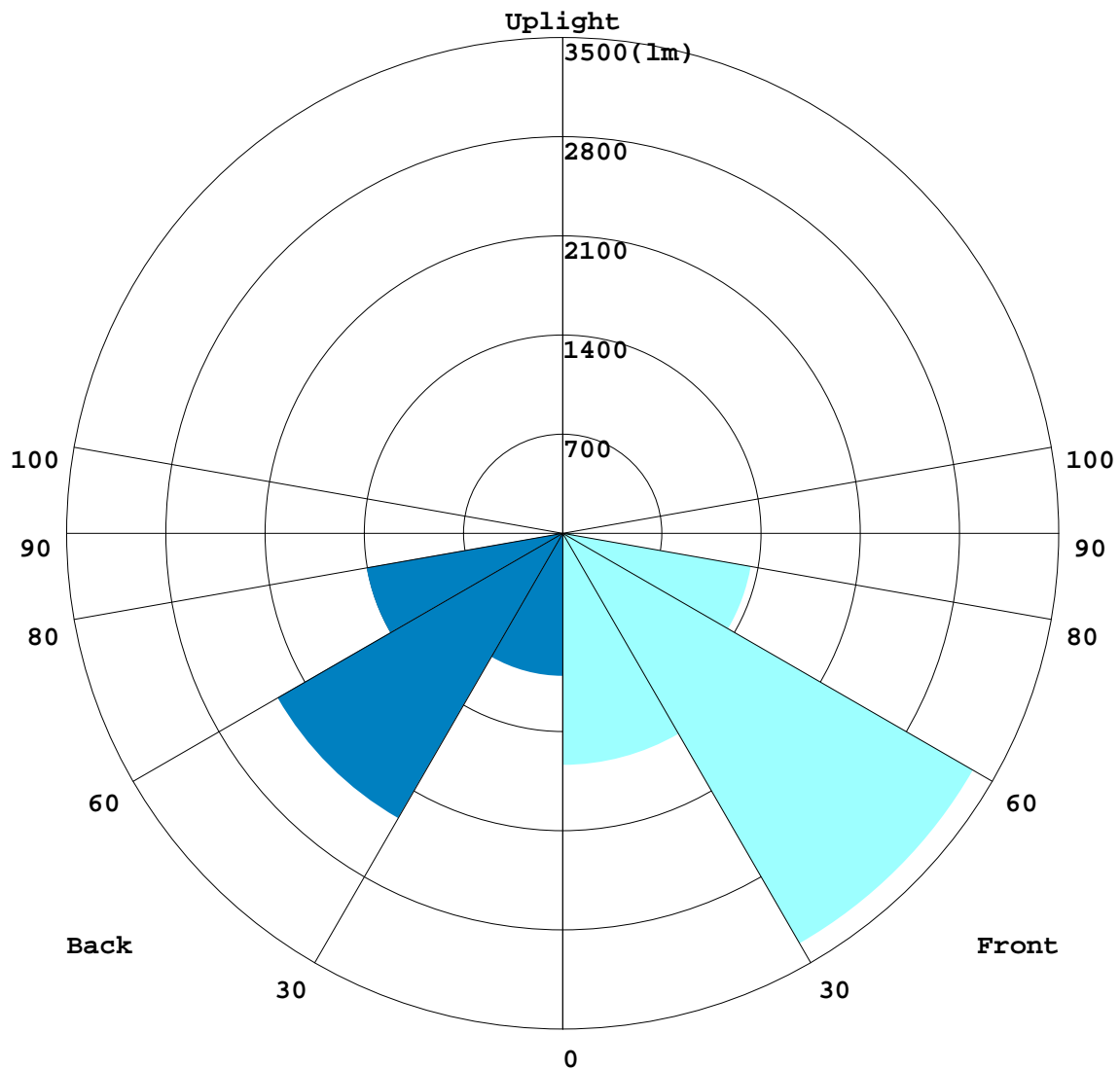


C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2018

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:1M 3030	WEIGHT:3.5kg
SPEC.:	DIM.: 239*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*144 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:1M 3030	WEIGHT:3.5kg
SPEC.:	DIM.: 239*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*144 mm	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1636.7	14.6
FM - Front-Medium(30-60)	3344.5	29.9
FH - Front-High(60-80)	1349.1	12.0
FVH - Front-Very High(80-90)	82.286	0.7
Total Forward Light	6412.6	57.3

BL - Back-Low(0-30)	1007.4	9.0
BM - Back-Medium(30-60)	2322.6	20.7
BH - Back-High(60-80)	1404	12.5
BVH - Back-Very High(80-90)	53.022	0.5
Total Back Light	4787.1	42.7

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-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4787.1	0	4787.1
Street Side	6412.6	0	6412.6

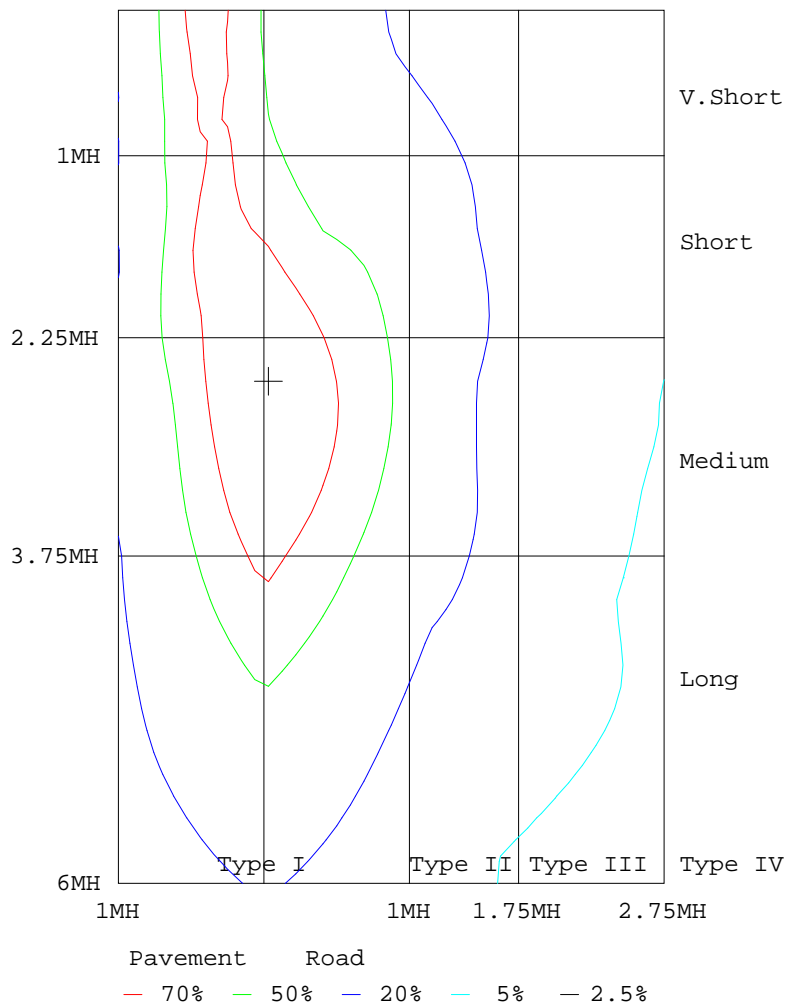
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2018

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:1M 3030	WEIGHT:3.5kg
SPEC.:	DIM.: 239*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*144 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:

```

```

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:

```