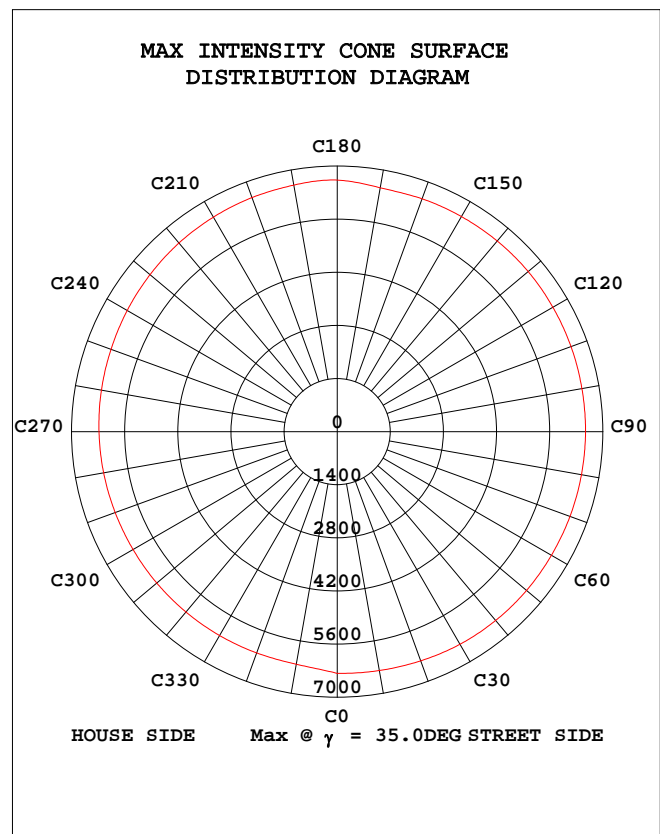
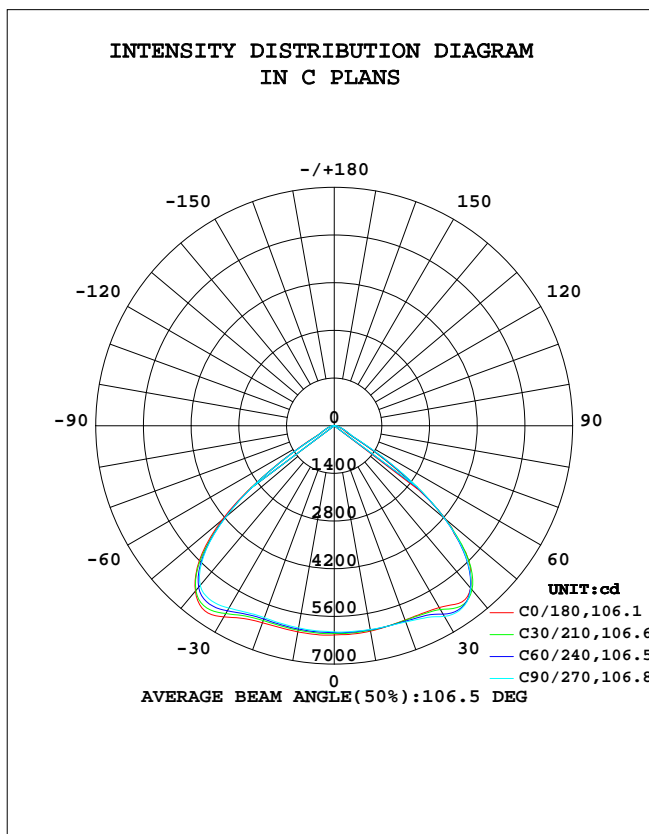


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: LED Tunnel Lights	TYPE:5S 5050	WEIGHT:3.5kg
SPEC.:	DIM.: 239*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*144 mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 160.00 lm/W			
MODEL	ZGSM-SDD100H5	I <sub>max</sub> (cd)	6632	η street_up(%)	0.0
NOMINAL POWER(W)	100	LOR(%)	100.0	η street_down(%)	50.5
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	16000	η house_up(%)	0.0
NOMINAL FLUX(lm)	16000	MAXIMUM @(C,γ )	180,35.0	η house_down(%)	49.5
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	220.1	η down(%)	100.0	SLI	19.618

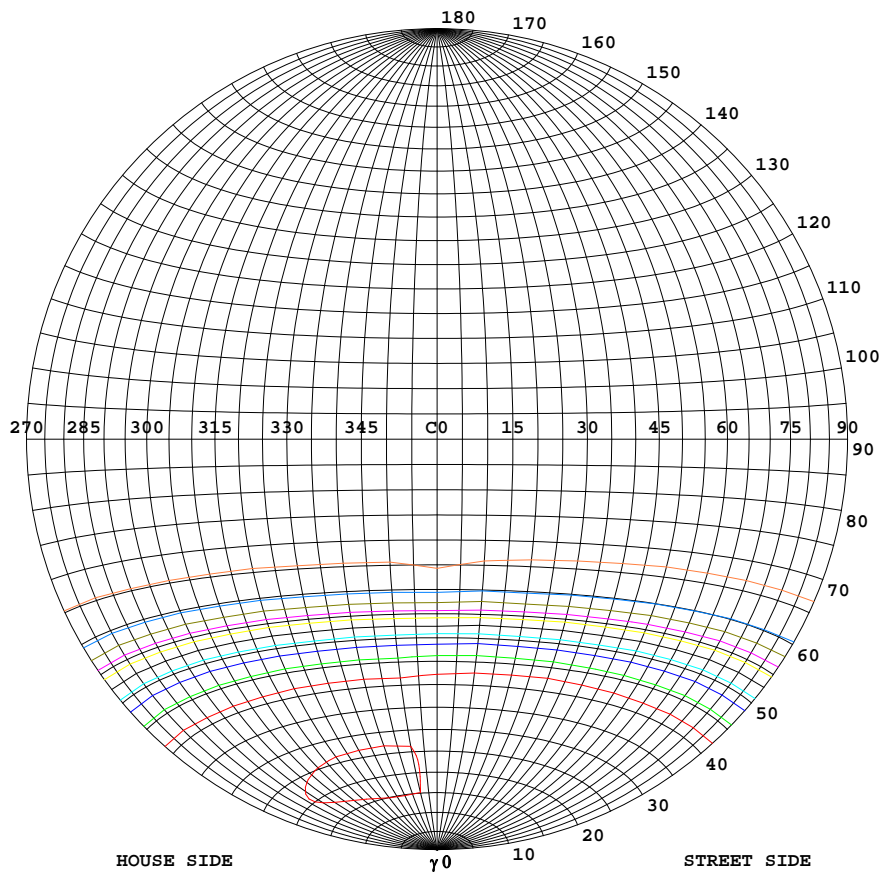


C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2018

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 5050	WEIGHT:3.5kg
SPEC.:	DIM.: 239*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*144 mm	Shielding Angle:



Classification:

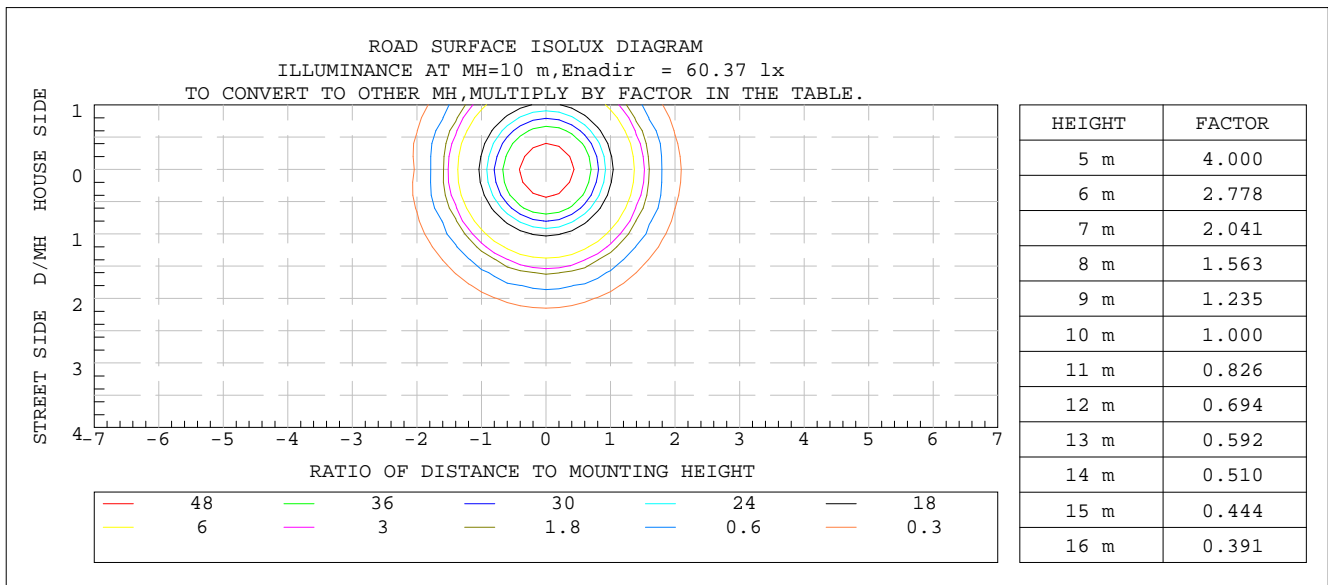
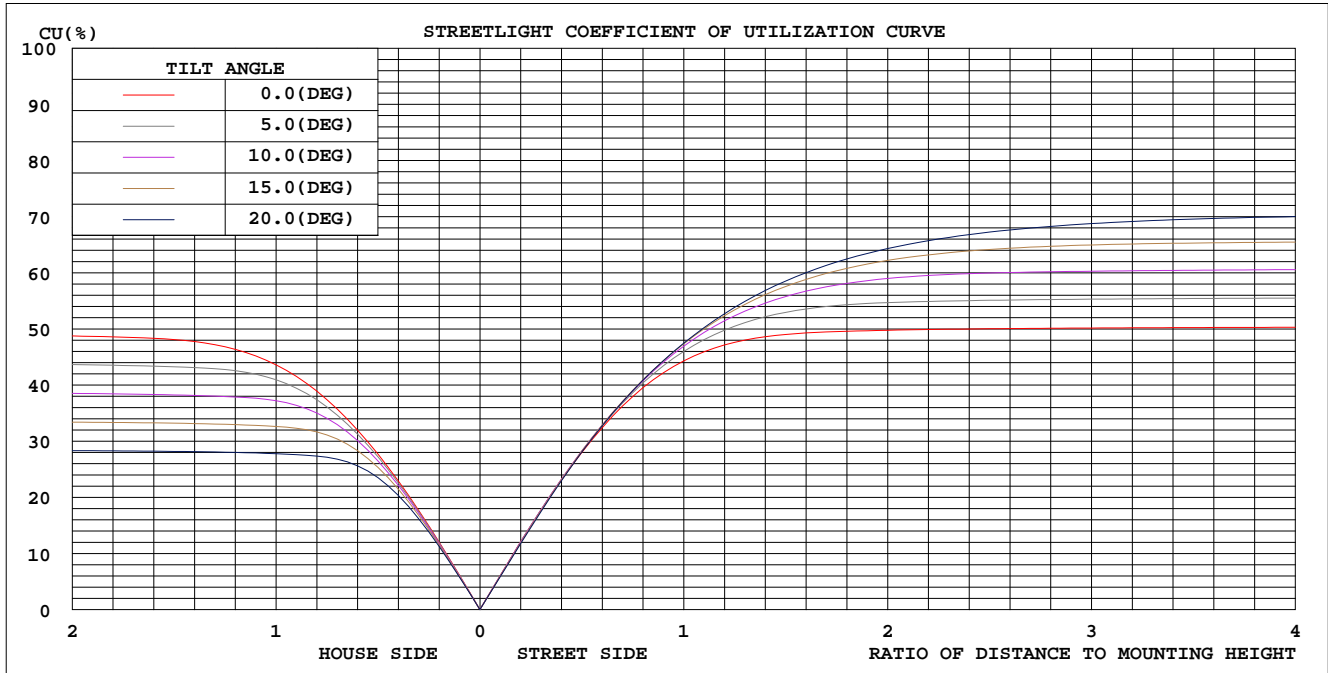
IES:Type V - Very Short  
 CIE:Narrow - Short  
 IES:Full cut-off  
 CIE:Full cut-off  
 Max.At80:8.042cd/klm  
 Max.At90:0cd/klm  
 Max.80-90:8.042cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6632
90%	5969
80%	5306
70%	4643
60%	3979
50%	3316
40%	2653
30%	1990
20%	1326
10%	663
5%	332

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 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: 10.0DEG  
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:5S 5050	WEIGHT:3.5kg
SPEC.:	DIM.: 239*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*144 mm	Shielding Angle:

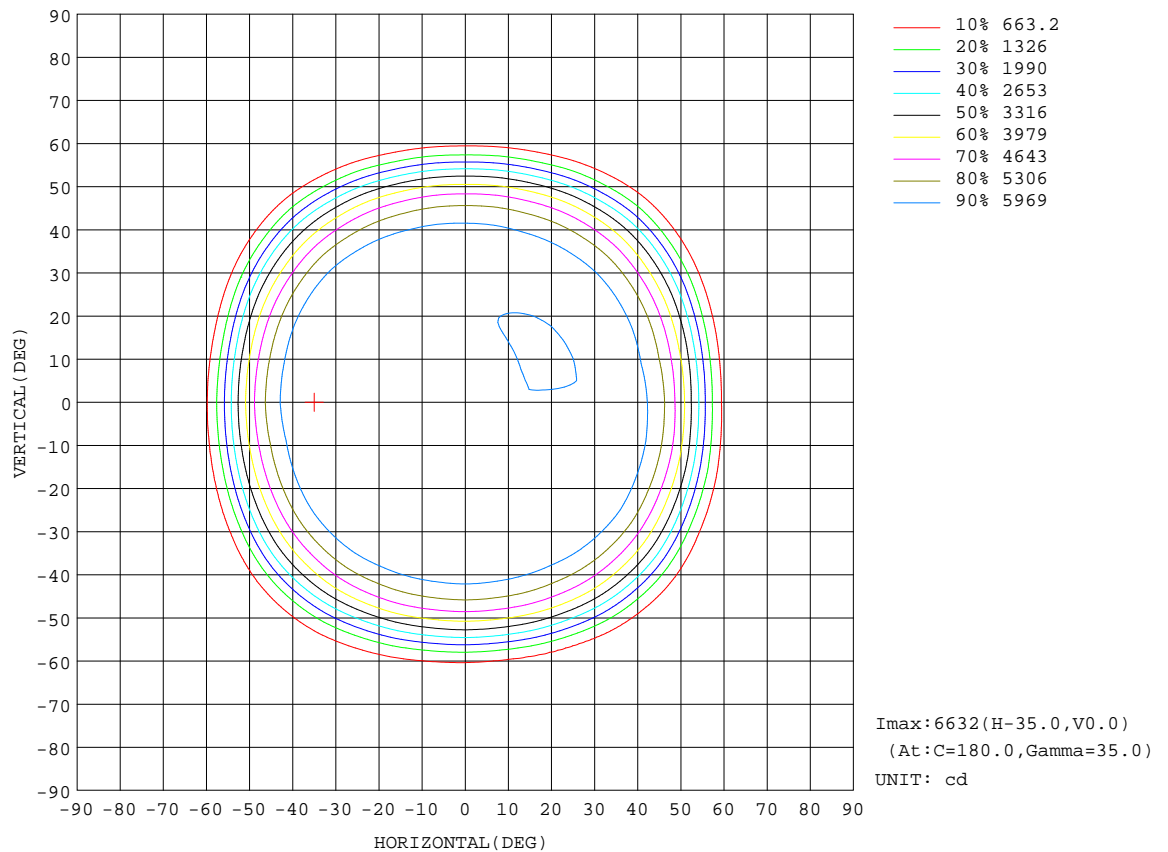
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum,lamp
10	6122	6091	6075	6056	6145	6078	6025	6001	0- 10	578.9	578.9	3.62,3.62
20	6071	6092	6132	6095	6157	6062	5998	5946	10- 20	1716	2295	14.3,14.3
30	6166	6310	6462	6424	6481	6324	6180	6055	20- 30	2844	5139	32.1,32.1
40	6233	6264	6240	6271	6343	6262	6121	6112	30- 40	4000	9139	57.1,57.1
50	4290	4226	4231	4217	4295	4155	4143	4183	40- 50	4160	13299	83.1,83.1
60	522.2	637.8	707.9	714.0	604.0	552.4	547.4	576.0	50- 60	2085	15384	96.2,96.2
70	201.8	256.2	235.8	249.5	229.5	233.7	212.4	239.4	60- 70	369.9	15754	98.5,98.5
80	91.58	115.6	121.7	118.7	92.57	116.5	116.9	113.1	70- 80	170.1	15924	99.5,99.5
90	0	0	0	0	0	0	0	0	80- 90	75.59	16000	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: 10.0DEG  
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:

**ISOCANDELA DIAGRAM**

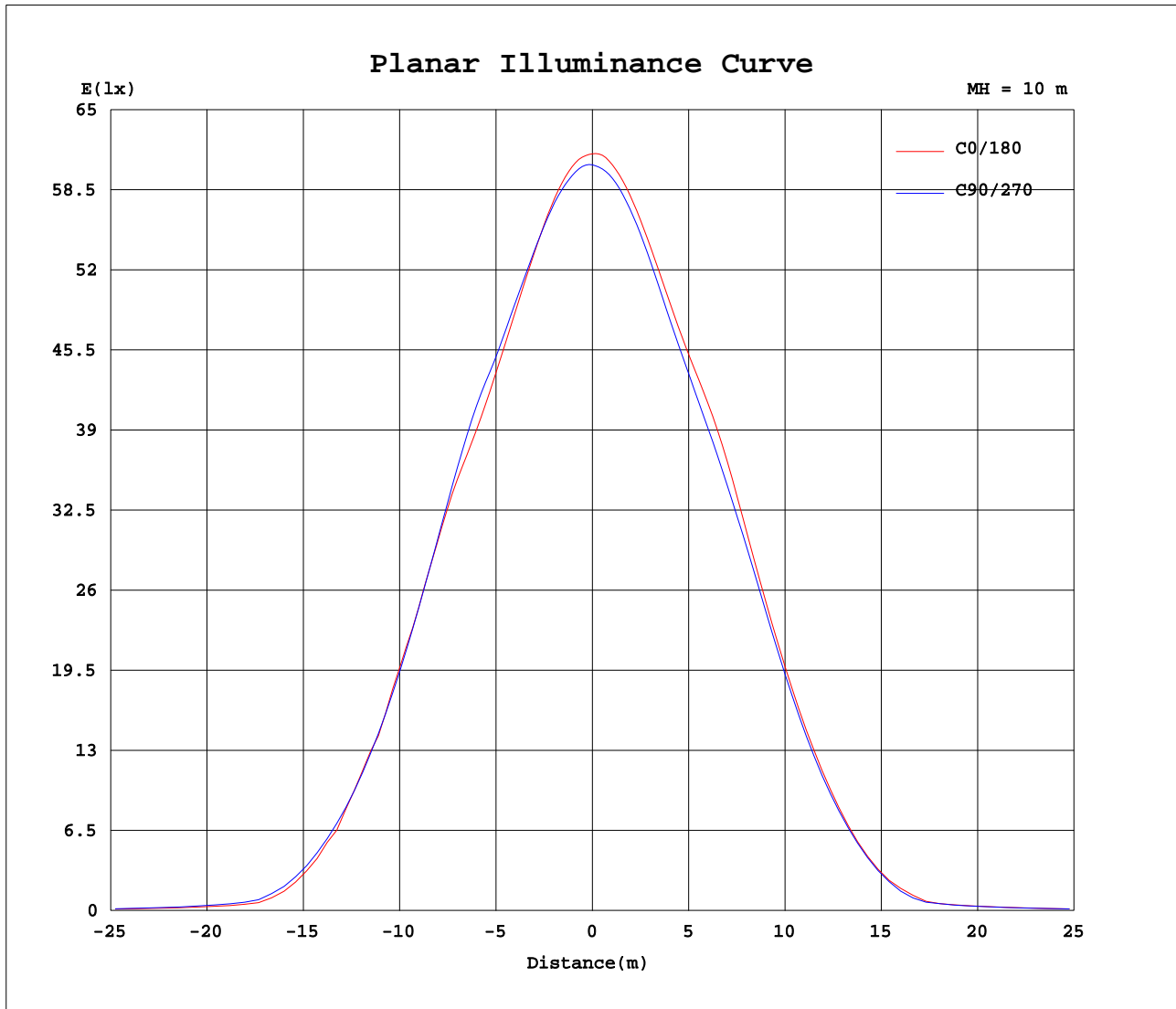
NAME: LED Tunnel Lights	TYPE:5S 5050	WEIGHT:3.5kg
SPEC.:	DIM.: 239*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*144 mm	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 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

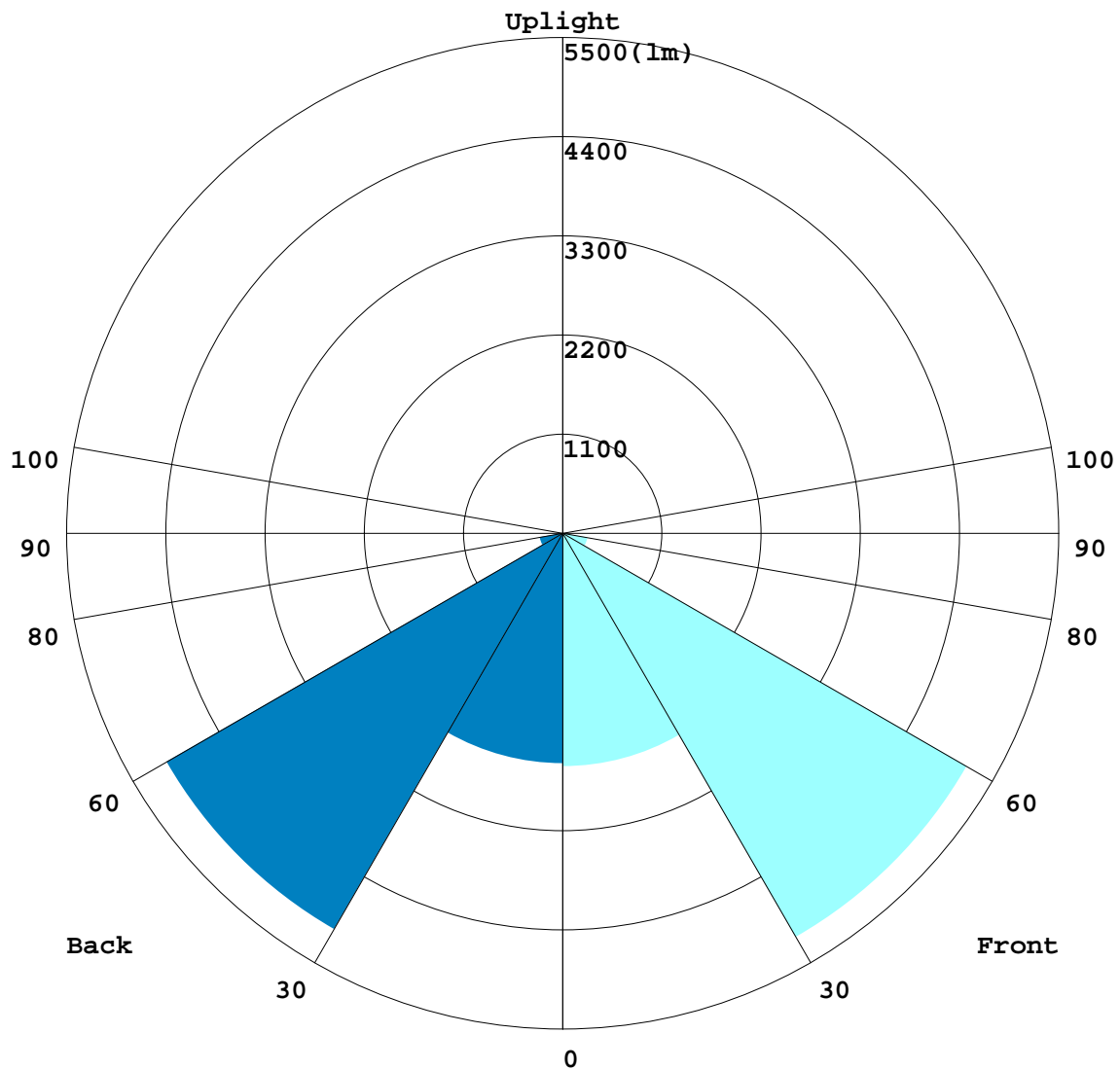


C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2018

$\gamma$  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:5S 5050	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: 10.0DEG  
 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 5050	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)	2585.9	16.2
FM - Front-Medium(30-60)	5174	32.3
FH - Front-High(60-80)	280.83	1.8
FVH - Front-Very High(80-90)	37.945	0.2
Total Forward Light	8078.7	50.5

BL - Back-Low(0-30)	2553	16.0
BM - Back-Medium(30-60)	5071.3	31.7
BH - Back-High(60-80)	259.12	1.6
BVH - Back-Very High(80-90)	37.641	0.2
Total Back Light	7921.1	49.5

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	B4-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7921.1	0	7921.1
Street Side	8078.7	0	8078.7

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2018

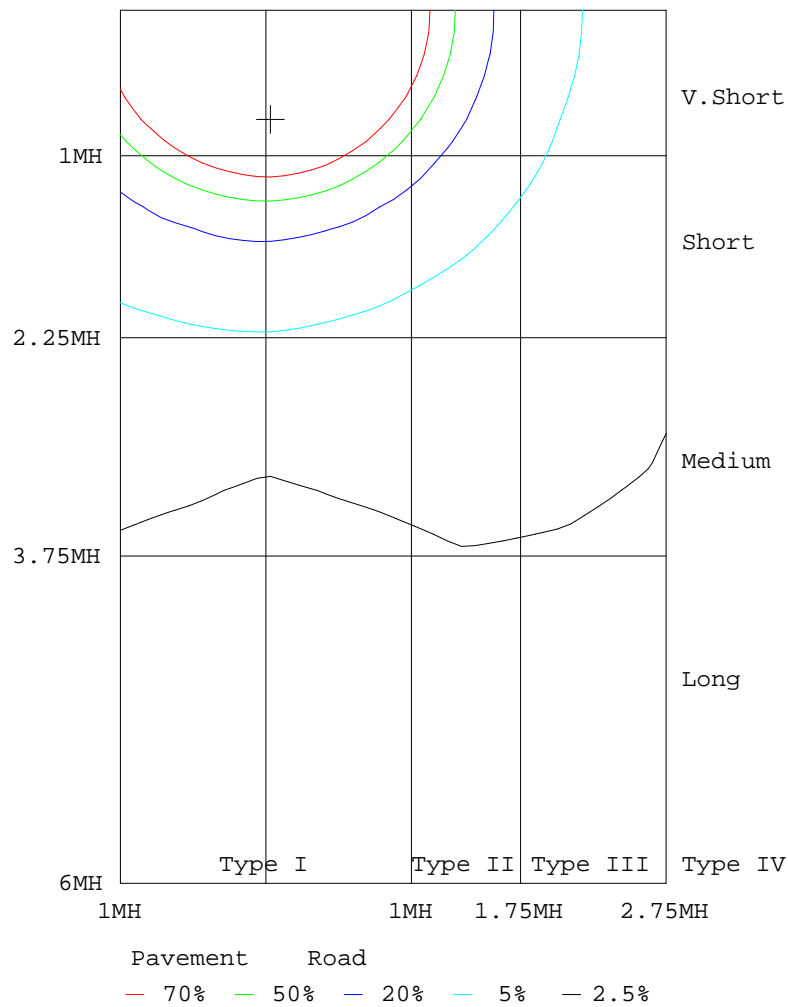
γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.480m [K=1.0000]  
Remarks:



ROAD ISOCANDELA REPORT

NAME: LED Tunnel Lights	TYPE:5S 5050	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: 10.0DEG  
 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:

```

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

```

```

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

```