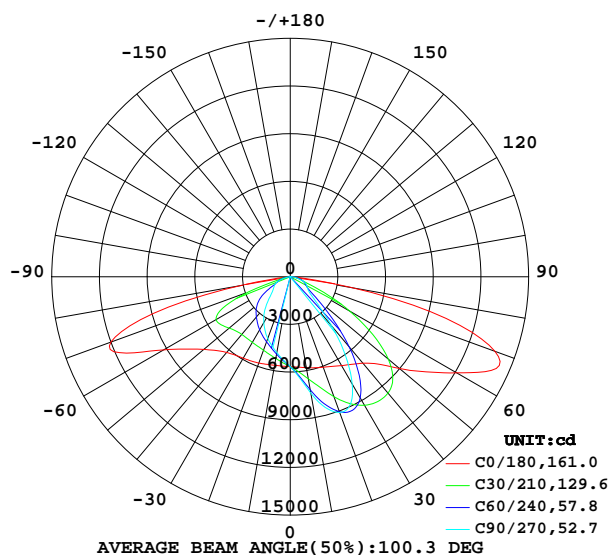
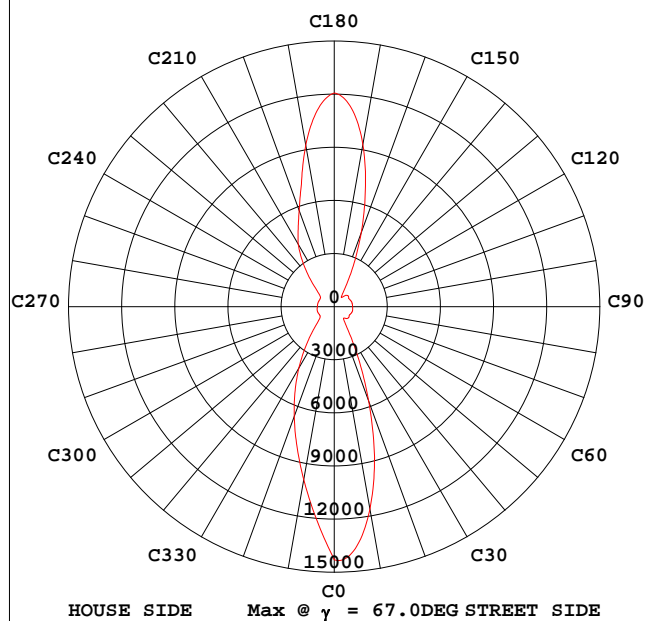


## STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: LED Tunnel Lights	TYPE:1M 3030	WEIGHT:4.4kg
SPEC.:	DIM.: 312*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*222 mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 125.00 lm/W			
MODEL	ZGSM-SDD180H6	I <sub>max</sub> (cd)	14287	η street_up(%)	0.0
NOMINAL POWER(W)	180	LOR(%)	100.0	η street_down(%)	57.2
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	22500	η house_up(%)	0.0
NOMINAL FLUX(lm)	22500	MAXIMUM @(C,γ )	0,67.0	η house_down(%)	42.8
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	220.1	η down(%)	100.0	SLI	25.494

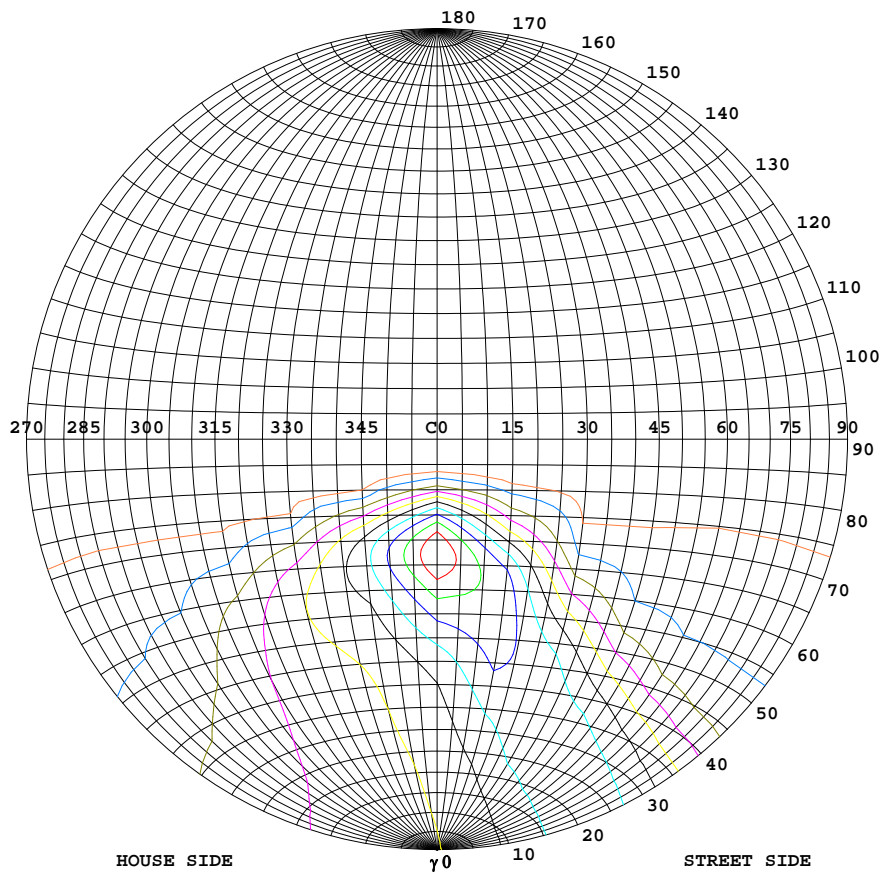
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

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:

STREETLIGHT ISOCANDELA DIAGRAM

NAME: LED Tunnel Lights	TYPE:1M 3030	WEIGHT:4.4kg
SPEC.:	DIM.: 312*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*222 mm	Shielding Angle:



Classification:

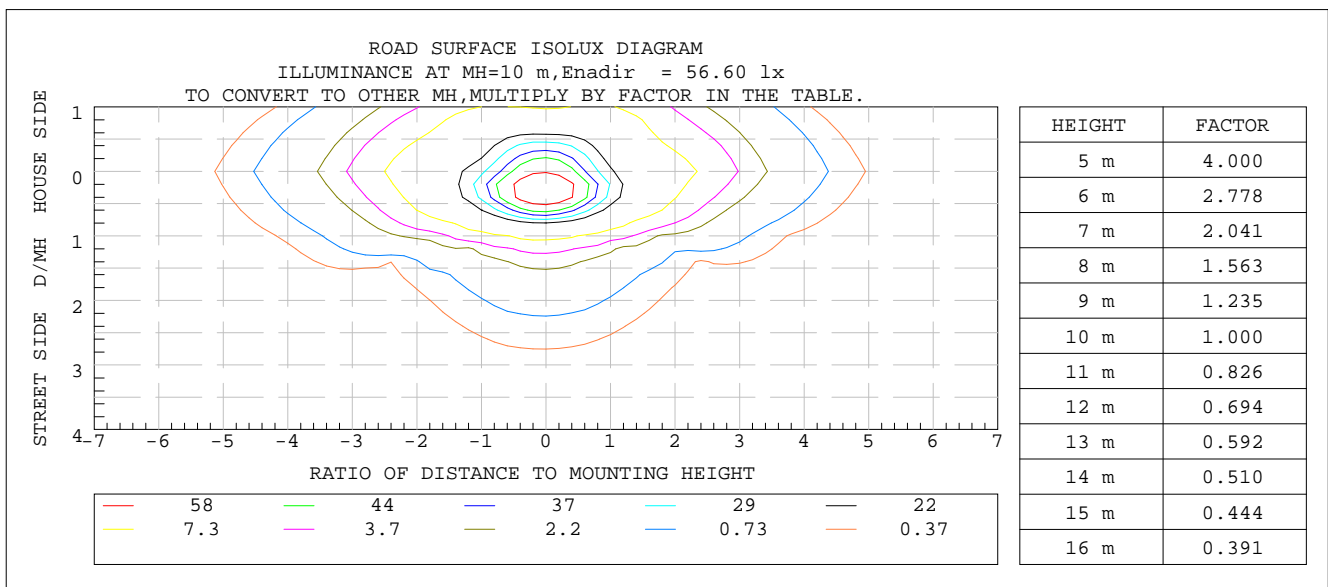
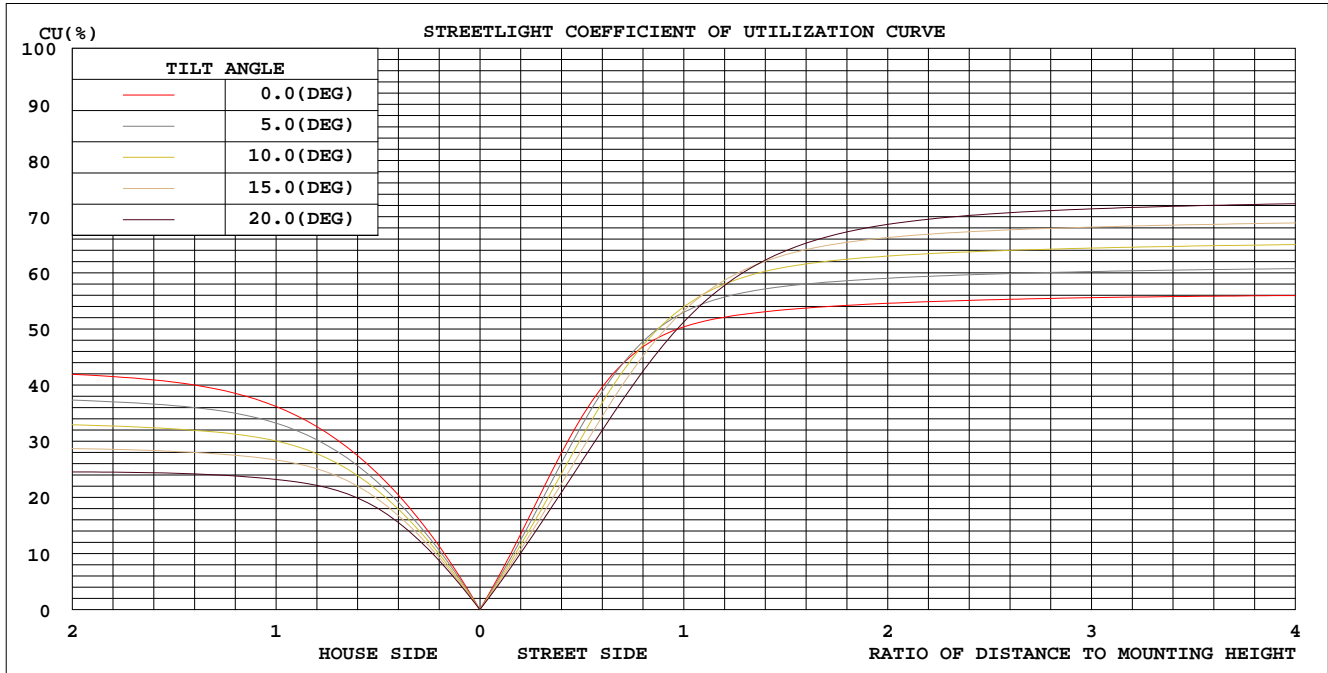
IES:Type I - Medium  
 CIE:Narrow - Intermediate  
 IES:Semi cut-off  
 CIE:Non-cut-off  
 Max.At80:169.7cd/klm  
 Max.At90:0cd/klm  
 Max.80-90:169.7cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	14287
90%	12858
80%	11429
70%	10001
60%	8572
50%	7143
40%	5715
30%	4286
20%	2857
10%	1429
5%	714

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

$\gamma$  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:4.4kg
SPEC.:	DIM.: 312*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*222 mm	Shielding Angle:

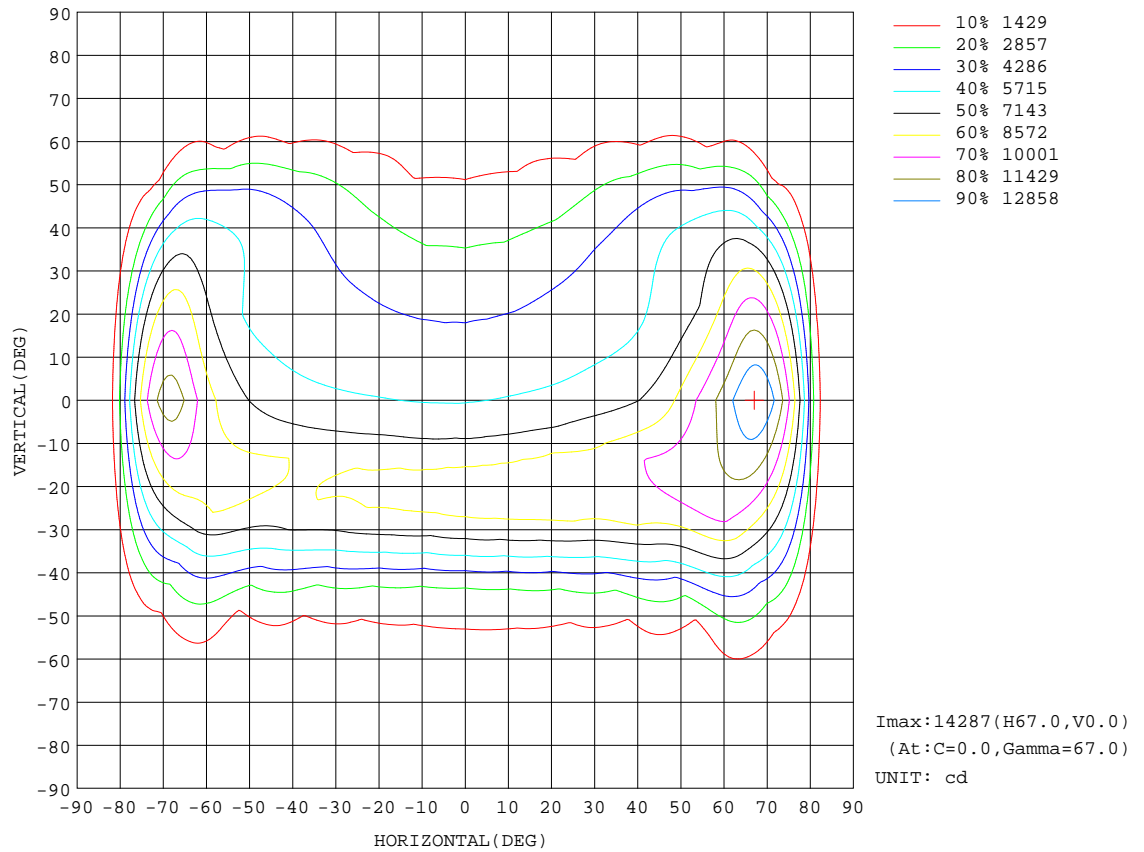
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum,lamp
10	580.9	689.2	742.0	674.0	565.6	507.0	485.6	512.3	0- 10	554.2	554.2	2.46,2.46
20	606.0	872.2	908.9	836.9	578.0	460.2	414.4	474.0	10- 20	1769	2323	10.3,10.3
30	645.5	944.9	781.0	886.6	591.9	432.3	332.9	453.0	20- 30	2997	5319	23.6,23.6
40	710.7	778.5	409.2	713.8	622.4	417.4	235.3	434.7	30- 40	3744	9064	40.3,40.3
50	898.8	420.3	163.9	372.2	711.4	413.8	148.1	409.5	40- 50	3849	12913	57.4,57.4
60	1210	142.3	121.4	131.8	920.7	327.7	117.2	305.6	50- 60	3797	16710	74.3,74.3
70	1370	84.85	92.62	81.46	1200	92.03	78.20	93.53	60- 70	3562	20272	90.1,90.1
80	381.8	44.16	36.61	41.44	299.8	40.86	6.512	38.86	70- 80	1954	22226	98.8,98.8
90	0	0	0	0	0	0	0	0	80- 90	273.5	22500	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: $\times 10\text{cd}$									UNIT:lm		

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:

# ISOCANDELA DIAGRAM

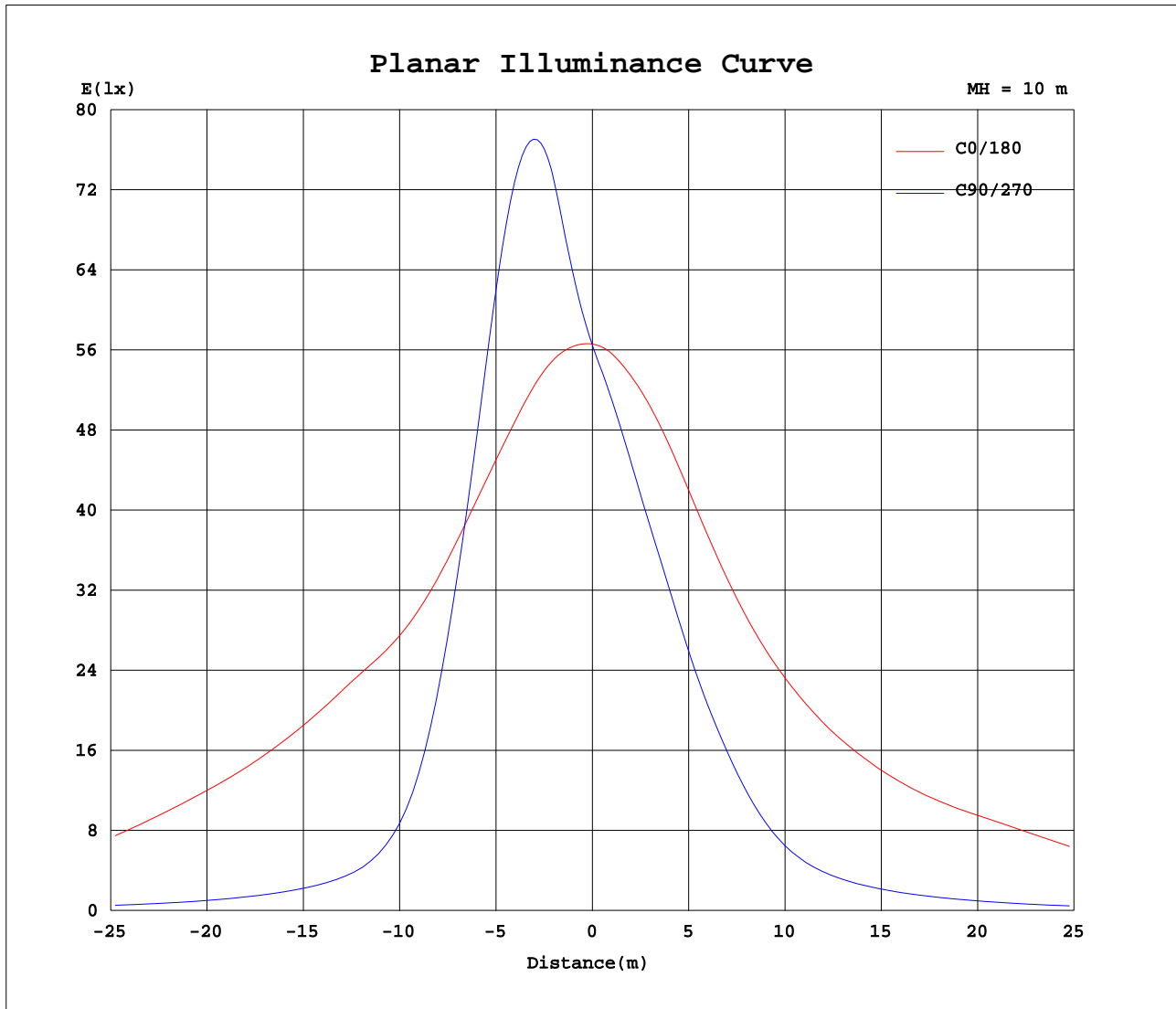
NAME: LED Tunnel Lights	TYPE:1M 3030	WEIGHT:4.4kg
SPEC.:	DIM.: 312*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*222 mm	Shielding Angle:



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

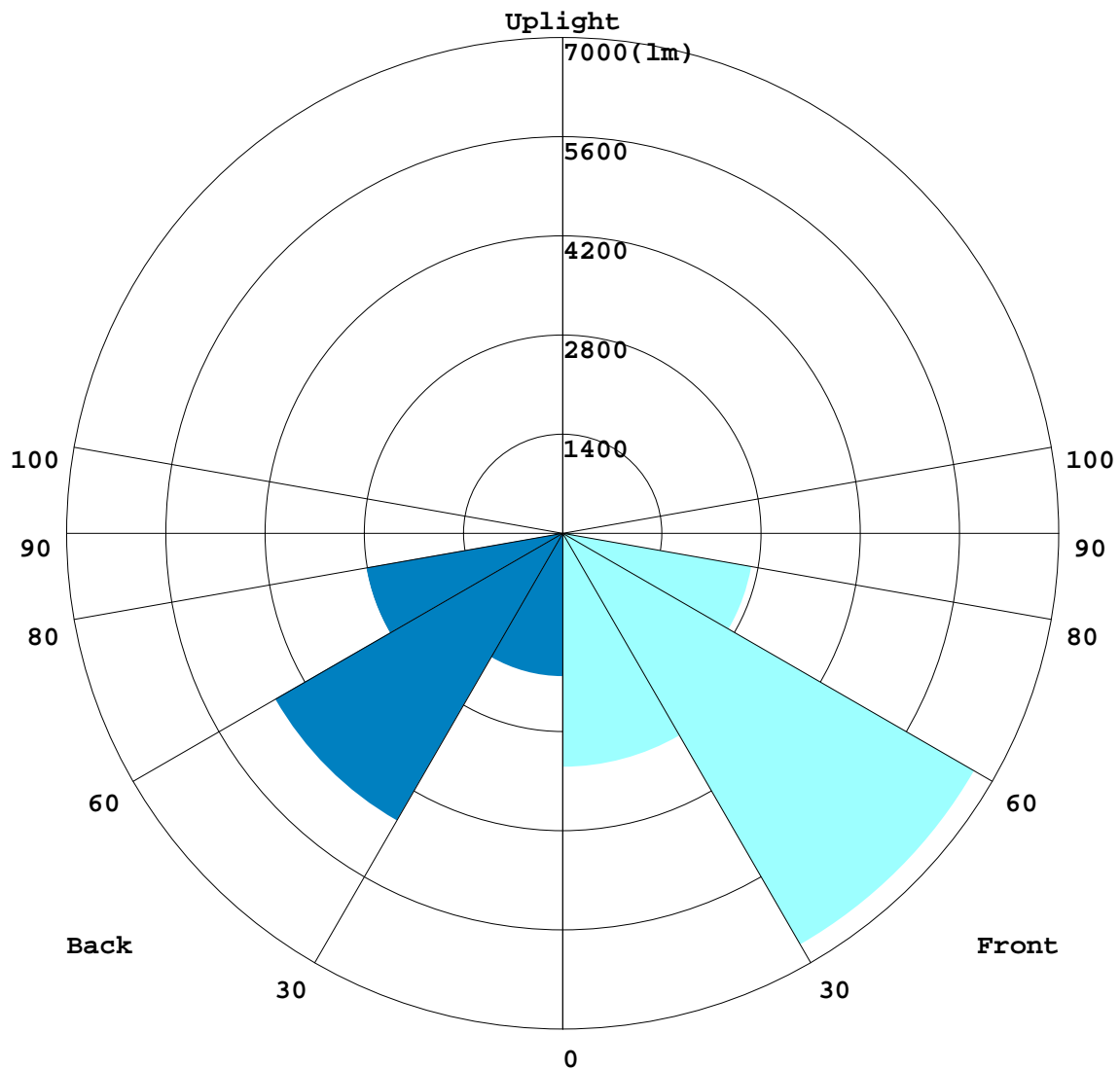


C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2018

$\gamma$  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:4.4kg
SPEC.:	DIM.: 312*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*222 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:4.4kg
SPEC.:	DIM.: 312*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*222 mm	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	3298.7	14.7
FM - Front-Medium(30-60)	6706.7	29.8
FH - Front-High(60-80)	2704.7	12.0
FVH - Front-Very High(80-90)	159.9	0.7
Total Forward Light	12870	57.2

BL - Back-Low(0-30)	2020.7	9.0
BM - Back-Medium(30-60)	4684.1	20.8
BH - Back-High(60-80)	2811.4	12.5
BVH - Back-Very High(80-90)	113.61	0.5
Total Back Light	9629.8	42.8

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-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	9629.8	0	9629.8
Street Side	12870	0	12870

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

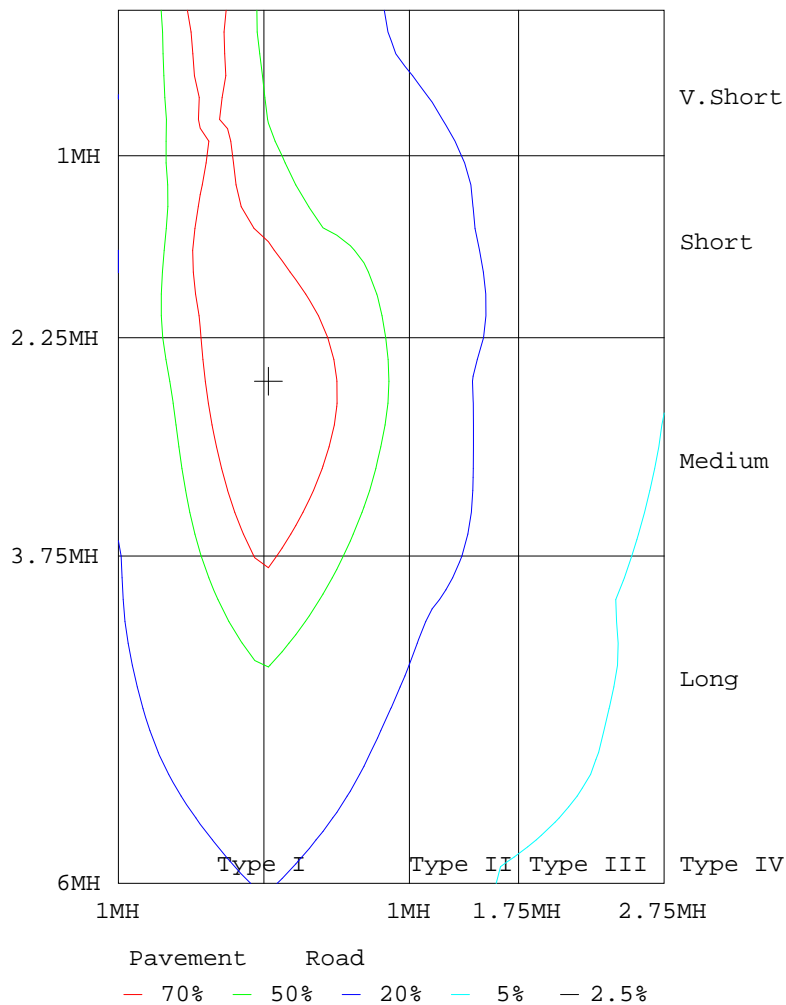
γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.480m [K=1.0000]  
Remarks:



**ROAD ISOCANDELA REPORT**

NAME: LED Tunnel Lights	TYPE:1M 3030	WEIGHT:4.4kg
SPEC.:	DIM.: 312*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*222 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

$\gamma$  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:

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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:

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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:

```