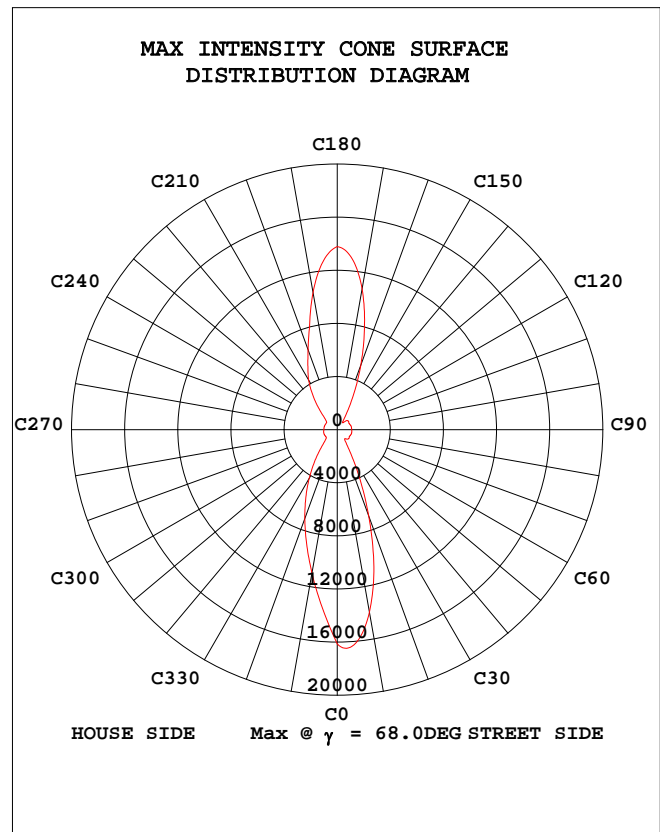
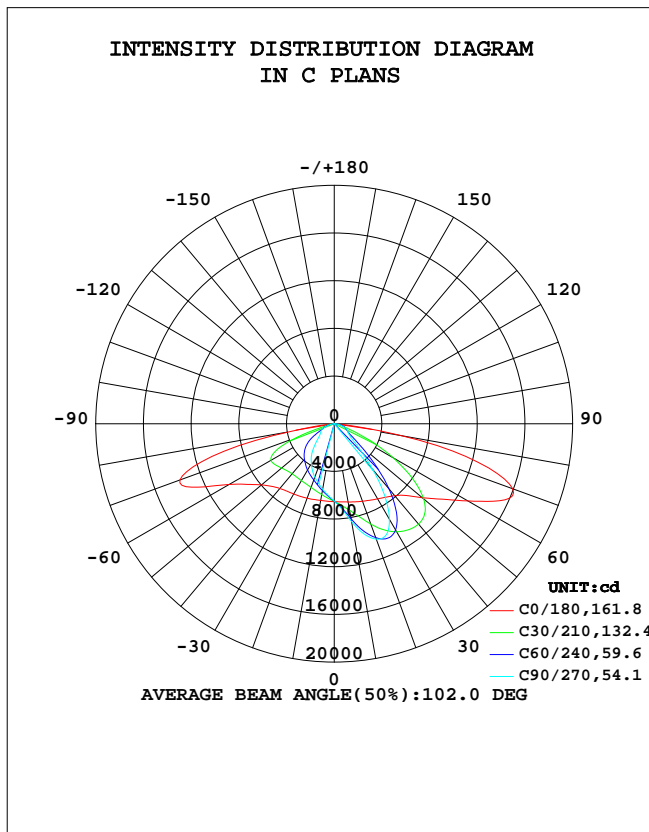


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: LED Tunnel Lights	TYPE:1M 3030	WEIGHT:5.2kg
SPEC.:	DIM.: 385*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*296 mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.00 lm/W			
MODEL	ZGSM-SDD200H5	I <sub>max</sub> (cd)	16132	η street_up(%)	0.0
NOMINAL POWER(W)	200	LOR(%)	100.0	η street_down(%)	57.8
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	26000	η house_up(%)	0.0
NOMINAL FLUX(lm)	26000	MAXIMUM @(C,γ )	0,68.0	η house_down(%)	42.2
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	220.1	η down(%)	100.0	SLI	26.049

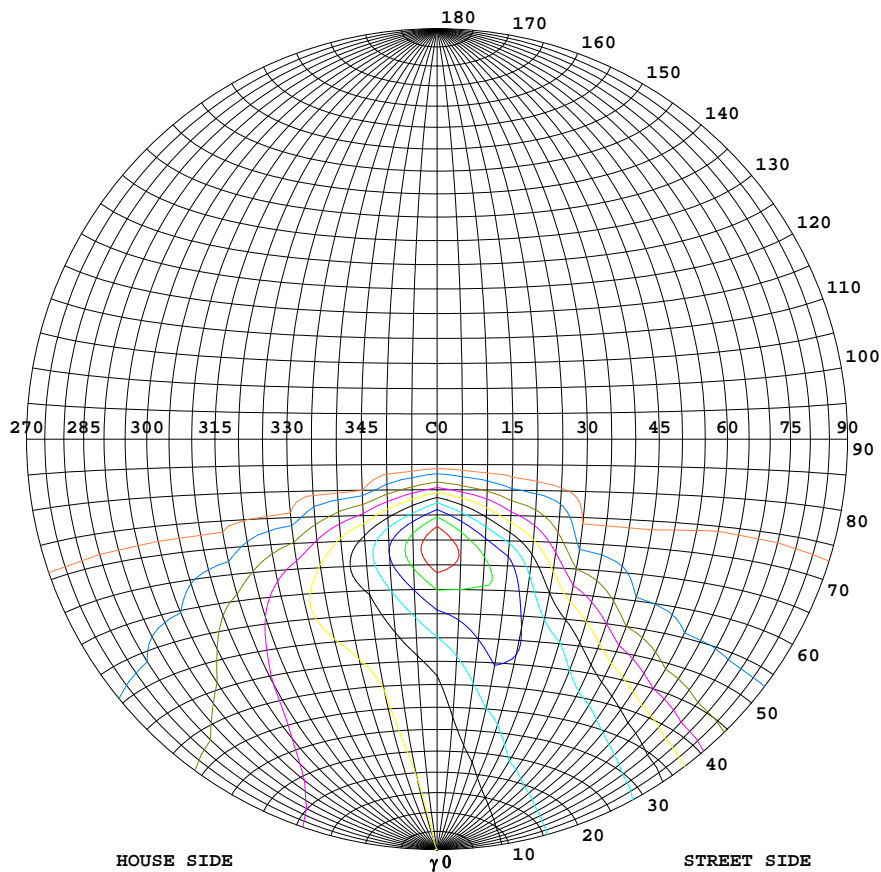


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2018

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:5.2kg
SPEC.:	DIM.: 385*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*296 mm	Shielding Angle:



Classification:

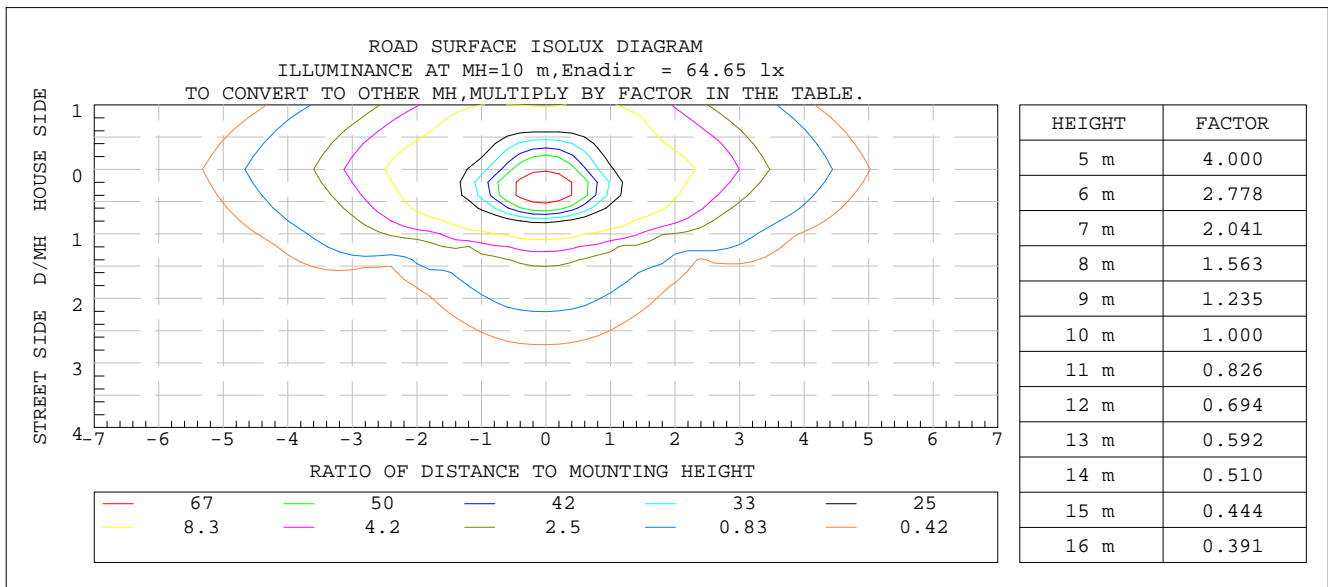
IES:Type I - Medium  
 CIE:Narrow - Intermediate  
 IES:None cut-off  
 CIE:Non-cut-off  
 Max.At80:213.3cd/klm  
 Max.At90:0cd/klm  
 Max.80-90:213.3cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	16132
90%	14519
80%	12906
70%	11292
60%	9679
50%	8066
40%	6453
30%	4840
20%	3226
10%	1613
5%	807

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:5.2kg
SPEC.:	DIM.: 385*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*296 mm	Shielding Angle:

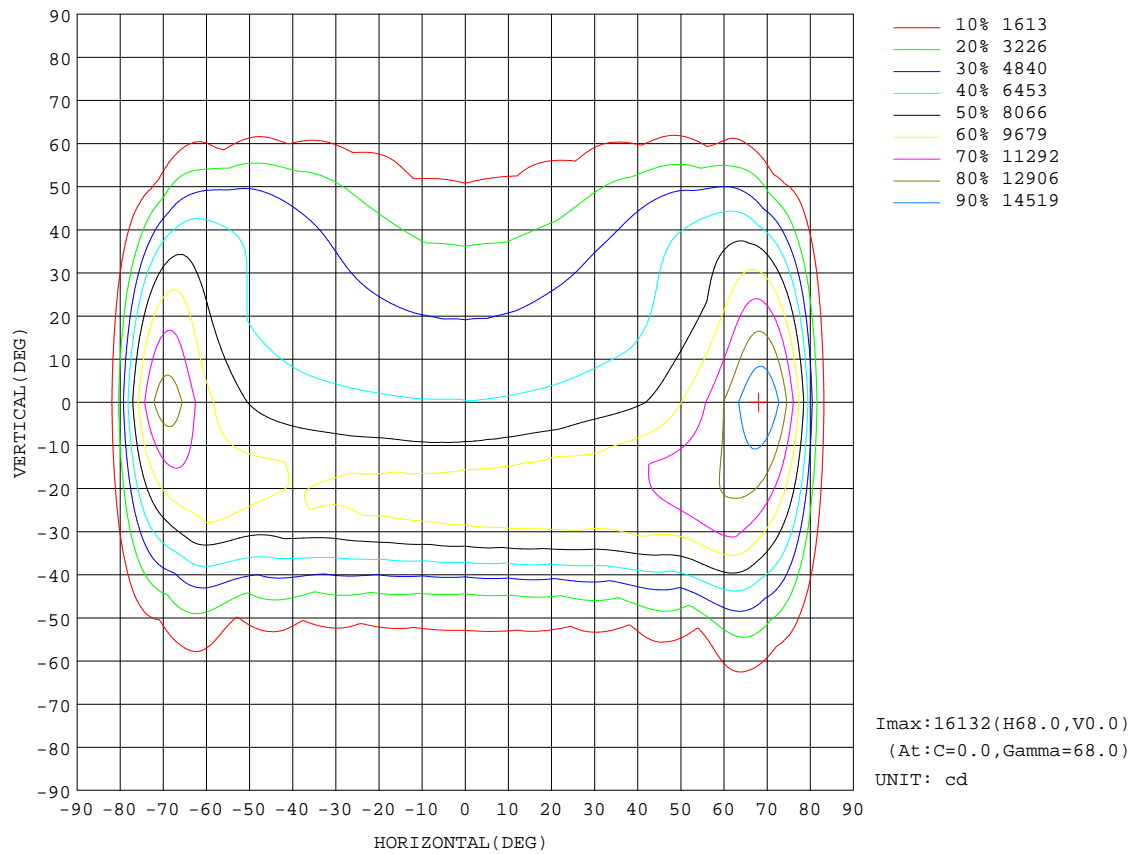
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum,lamp
10	666.5	773.6	831.4	754.8	653.2	584.9	558.1	584.5	0- 10	631.6	631.6	2.43,2.43
20	692.0	976.9	1030	936.3	665.5	531.2	476.7	538.2	10- 20	2004	2635	10.1,10.1
30	728.2	1083	926.0	1012	680.9	500.5	384.9	512.3	20- 30	3415	6051	23.3,23.3
40	787.5	938.7	507.1	850.9	709.7	484.5	274.7	490.8	30- 40	4329	10380	39.9,39.9
50	965.5	540.3	191.7	470.4	798.9	477.0	166.0	459.3	40- 50	4470	14850	57.1,57.1
60	1296	174.6	132.7	157.9	1019	381.9	129.2	349.4	50- 60	4355	19205	73.9,73.9
70	1592	93.77	99.98	89.74	1378	106.1	87.01	108.8	60- 70	4106	23311	89.7,89.7
80	554.5	48.62	40.19	44.73	371.1	42.03	18.27	40.83	70- 80	2357	25668	98.7,98.7
90	0	0	0	0	0	0	0	0	80- 90	331.8	26000	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

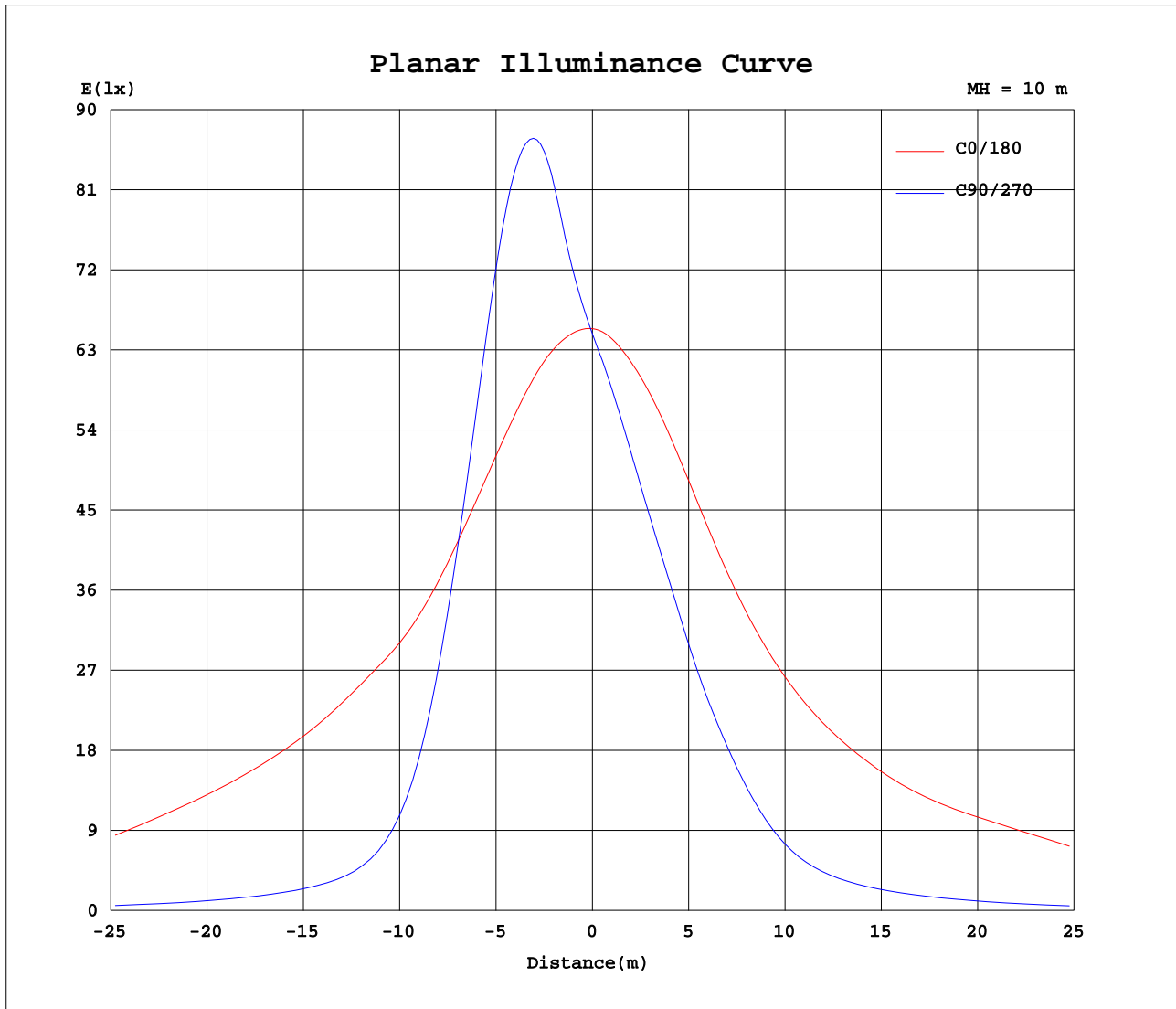
NAME: LED Tunnel Lights	TYPE:1M 3030	WEIGHT:5.2kg
SPEC.:	DIM.: 385*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*296 mm	Shielding Angle:



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

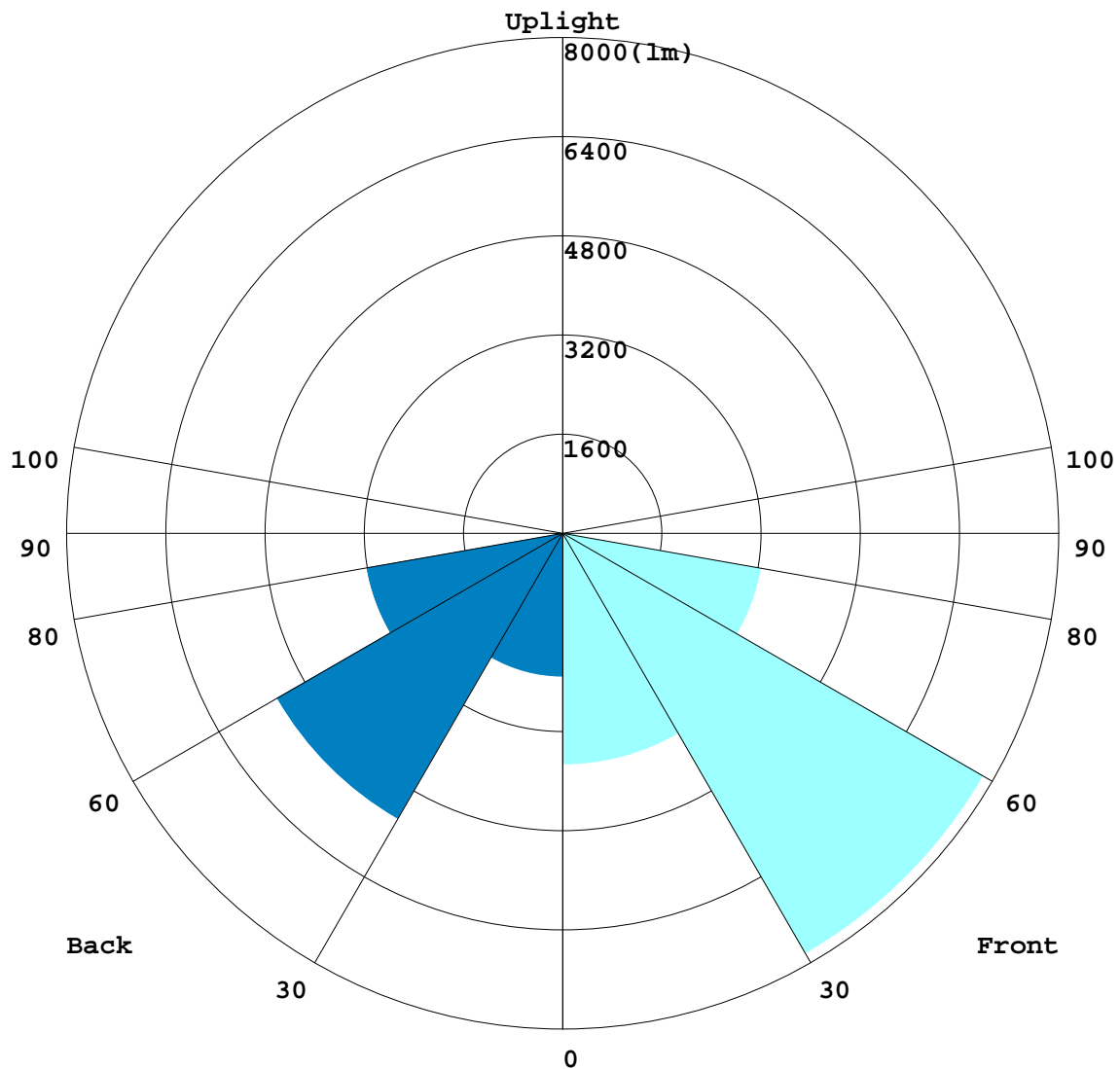


C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2018

$\gamma$  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:5.2kg
SPEC.:	DIM.: 385*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*296 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:5.2kg
SPEC.:	DIM.: 385*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*296 mm	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	3733.6	14.4
FM - Front-Medium(30-60)	7832.4	30.1
FH - Front-High(60-80)	3250	12.5
FVH - Front-Very High(80-90)	201.1	0.8
Total Forward Light	15017	57.8

BL - Back-Low(0-30)	2316.9	8.9
BM - Back-Medium(30-60)	5322	20.5
BH - Back-High(60-80)	3213.2	12.4
BVH - Back-Very High(80-90)	130.74	0.5
Total Back Light	10983	42.2

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	10983	0	10983
Street Side	15017	0	15017

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

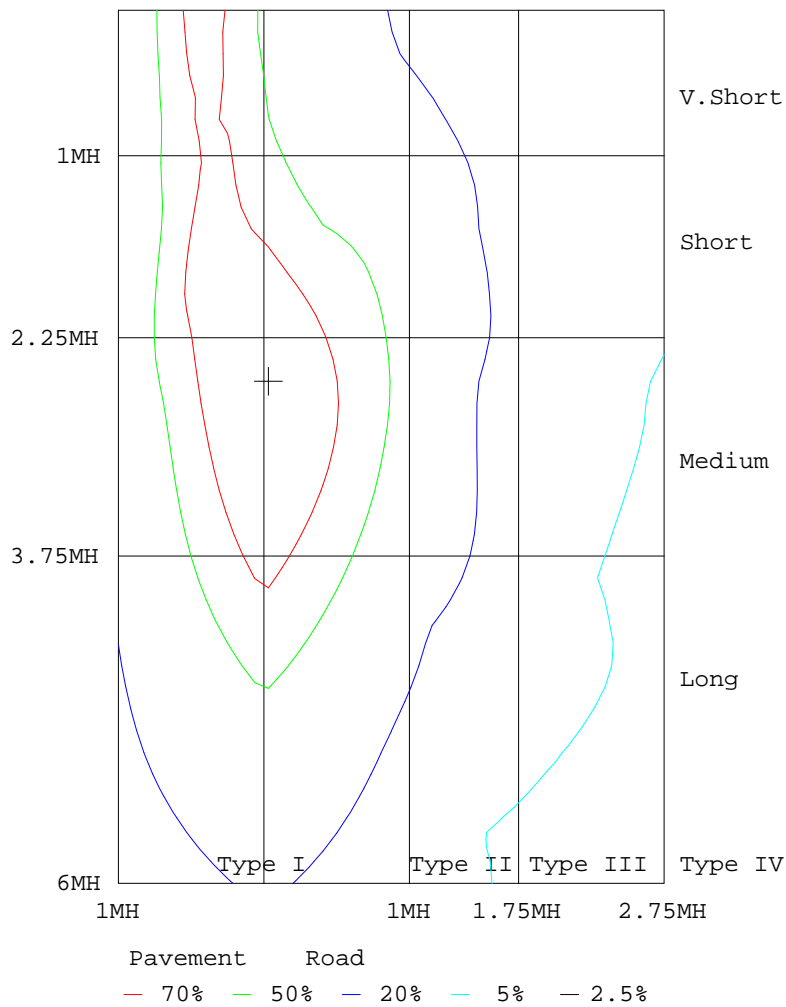
γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.480m [K=1.0000]  
Remarks:



ROAD ISOCANDELA REPORT

NAME: LED Tunnel Lights	TYPE:1M 3030	WEIGHT:5.2kg
SPEC.:	DIM.: 385*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*296 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:

```

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:

```