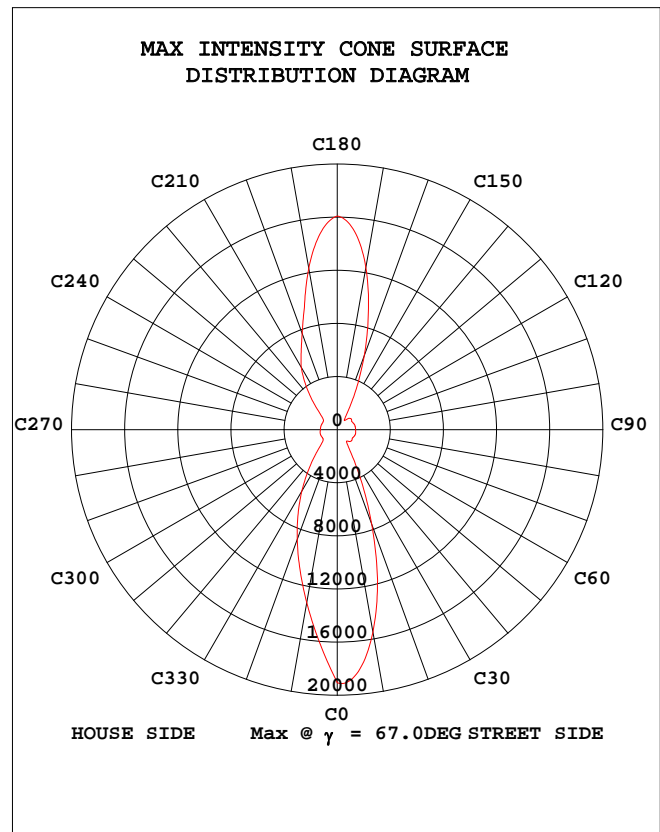
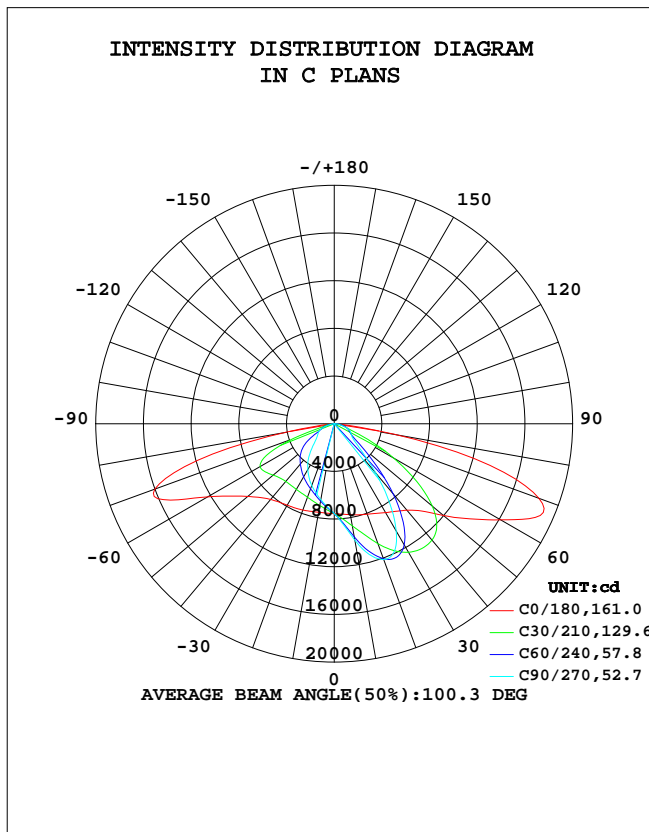


STREETLIGHT PHOTOMETRIC TEST REPORT

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: 125.00 lm/W			
MODEL	ZGSM-SDD240H6	I <sub>max</sub> (cd)	19049	η street_up(%)	0.0
NOMINAL POWER(W)	240	LOR(%)	100.0	η street_down(%)	57.2
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	30000	η house_up(%)	0.0
NOMINAL FLUX(lm)	30000	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	25.908

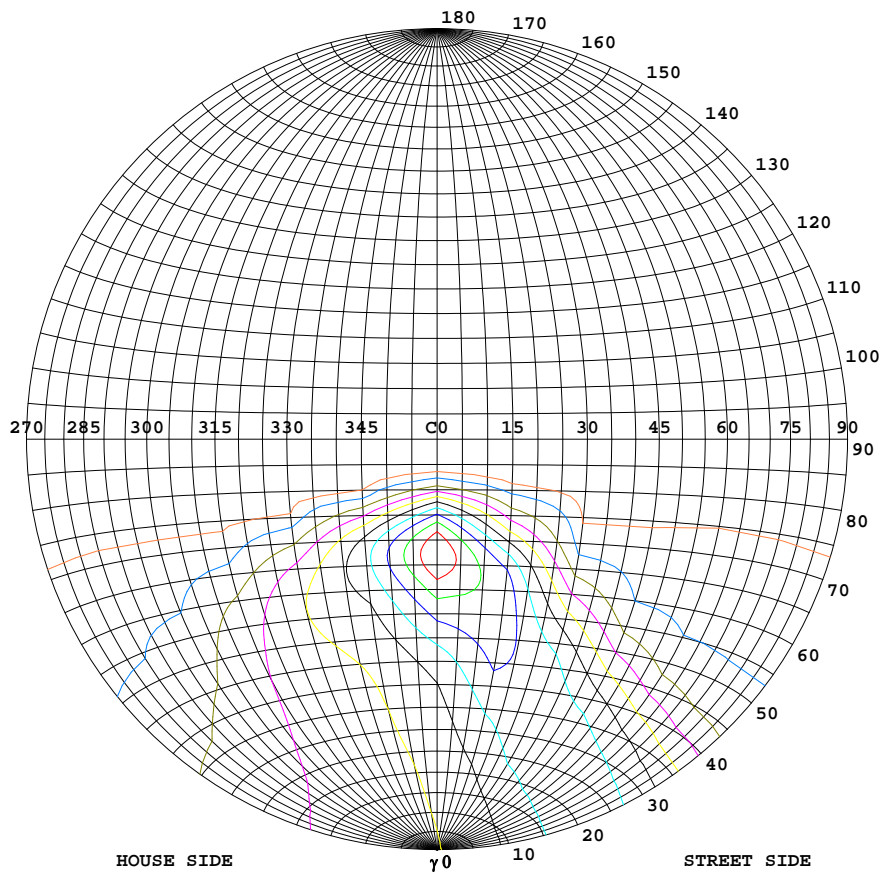


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2018

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:

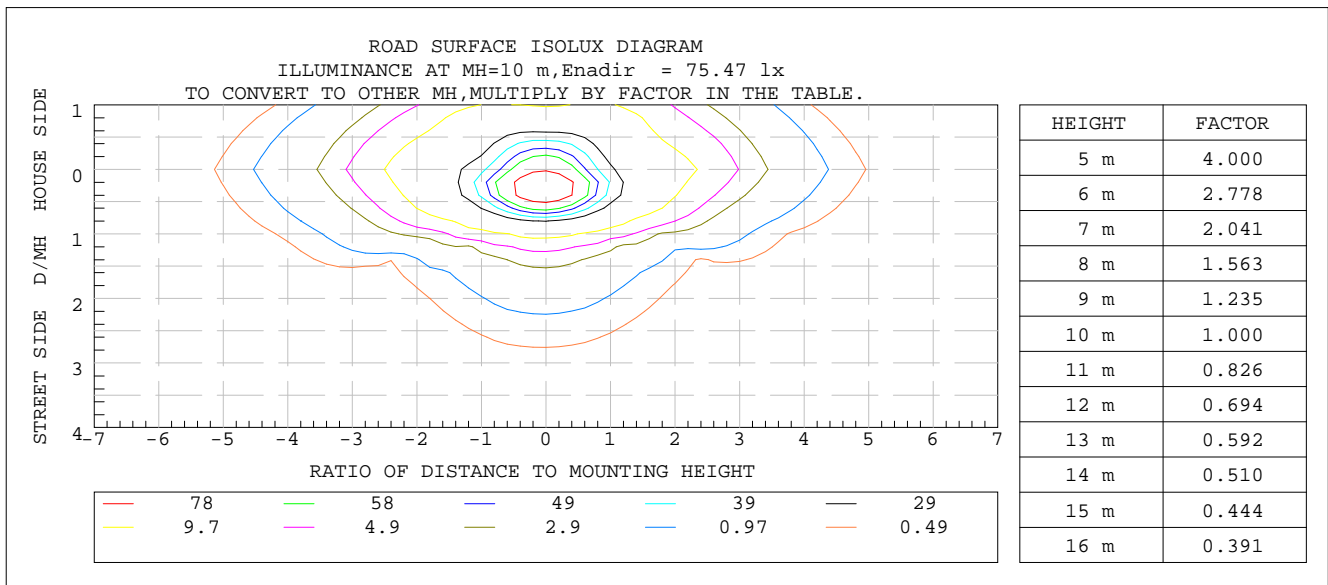
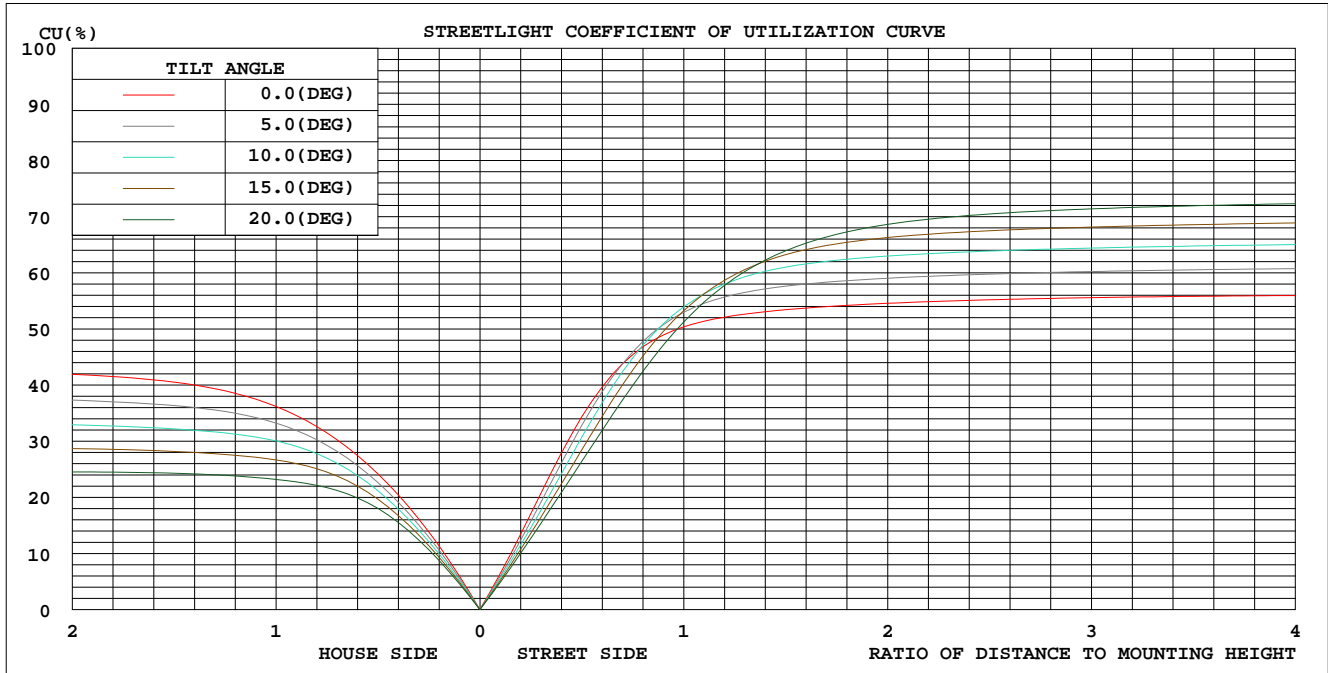
IES:Type I - Medium  
 CIE:Narrow - Intermediate  
 IES:Semi cut-off  
 CIE:Non-cut-off  
 Max.At80:169.7cd/klm  
 Max.At90:0cd/klm  
 Max.80-90:169.7cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	19049
90%	17145
80%	15240
70%	13335
60%	11430
50%	9525
40%	7620
30%	5715
20%	3810
10%	1905
5%	952

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:

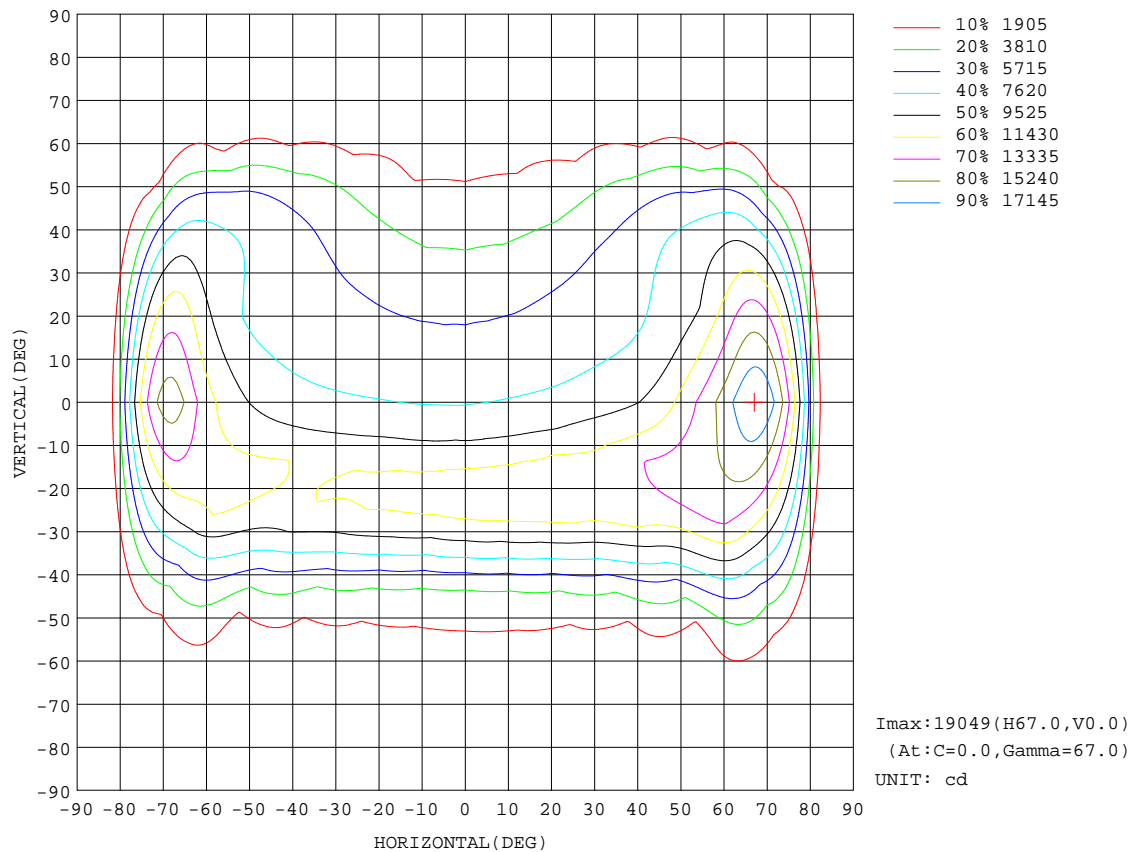
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum,lamp
10	774.6	919.0	989.4	898.7	754.1	676.0	647.4	683.0	0- 10	739.0	739.0	2.46,2.46
20	808.0	1163	1212	1116	770.7	613.6	552.6	632.1	10- 20	2358	3097	10.3,10.3
30	860.7	1260	1041	1182	789.2	576.4	443.9	604.0	20- 30	3996	7093	23.6,23.6
40	947.6	1038	545.6	951.7	829.8	556.6	313.7	579.6	30- 40	4992	12085	40.3,40.3
50	1198	560.4	218.5	496.2	948.6	551.7	197.5	546.0	40- 50	5133	17218	57.4,57.4
60	1613	189.7	161.9	175.7	1228	436.9	156.2	407.4	50- 60	5063	22281	74.3,74.3
70	1826	113.1	123.5	108.6	1600	122.7	104.3	124.7	60- 70	4749	27030	90.1,90.1
80	509.0	58.88	48.81	55.25	399.7	54.49	8.683	51.81	70- 80	2606	29636	98.8,98.8
90	0	0	0	0	0	0	0	0	80- 90	364.7	30000	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: $\times 10$ 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

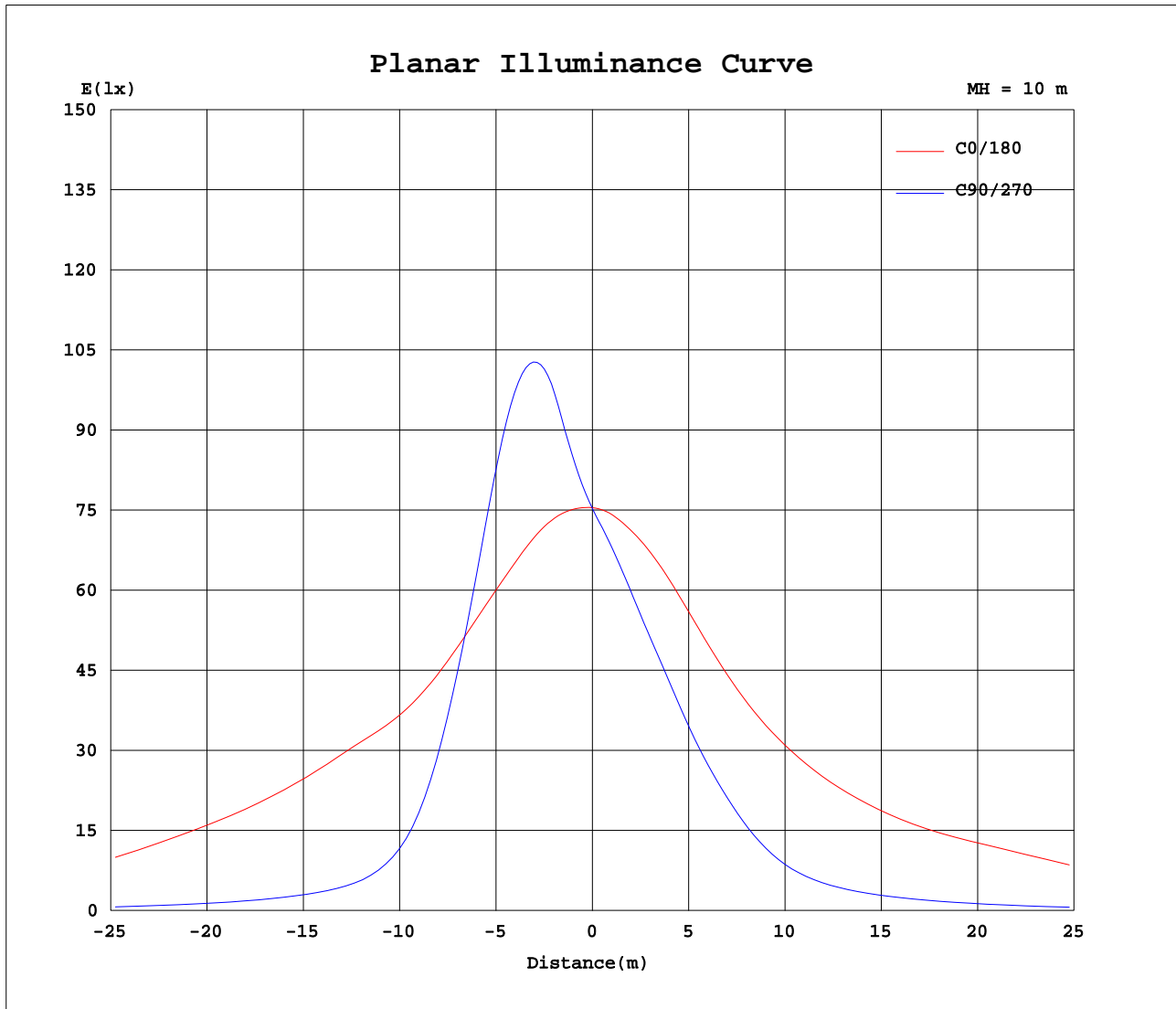
NAME: LED Tunnel Lights	TYPE:1M 3030	WEIGHT:5.2kg
SPEC.:	DIM.: 385*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*296 mm	Shielding Angle:



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

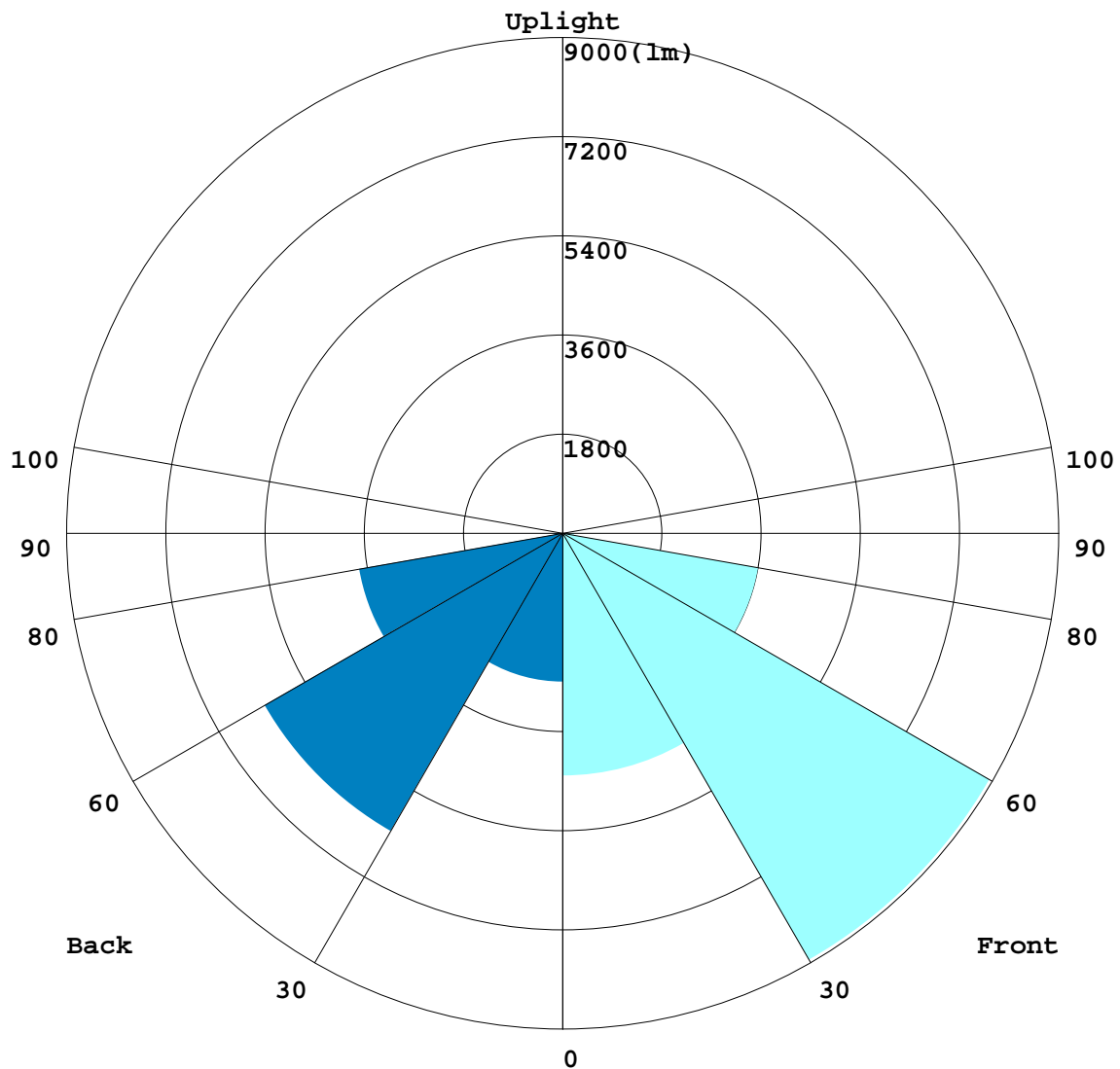


C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2018

$\gamma$  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)	4398.4	14.7
FM - Front-Medium(30-60)	8942.4	29.8
FH - Front-High(60-80)	3606.3	12.0
FVH - Front-Very High(80-90)	213.21	0.7
Total Forward Light	17160	57.2

BL - Back-Low(0-30)	2694.4	9.0
BM - Back-Medium(30-60)	6245.6	20.8
BH - Back-High(60-80)	3748.6	12.5
BVH - Back-Very High(80-90)	151.48	0.5
Total Back Light	12840	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	12840	0	12840
Street Side	17160	0	17160

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

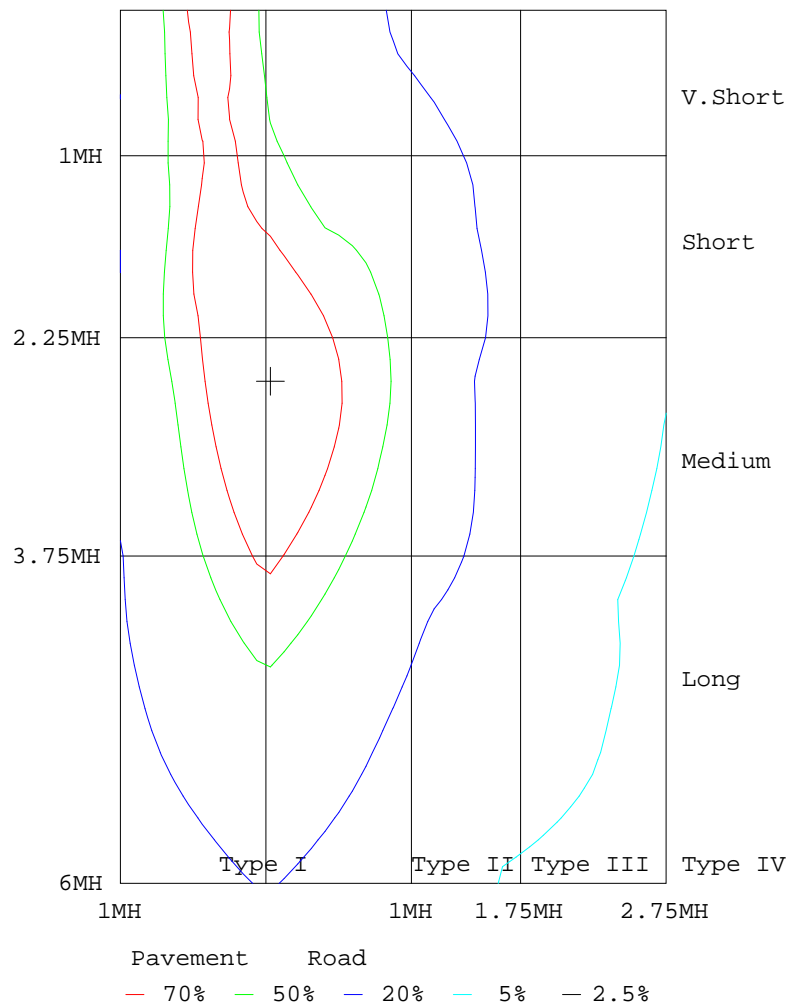
γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.480m [K=1.0000]  
Remarks:



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:

```

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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:

```