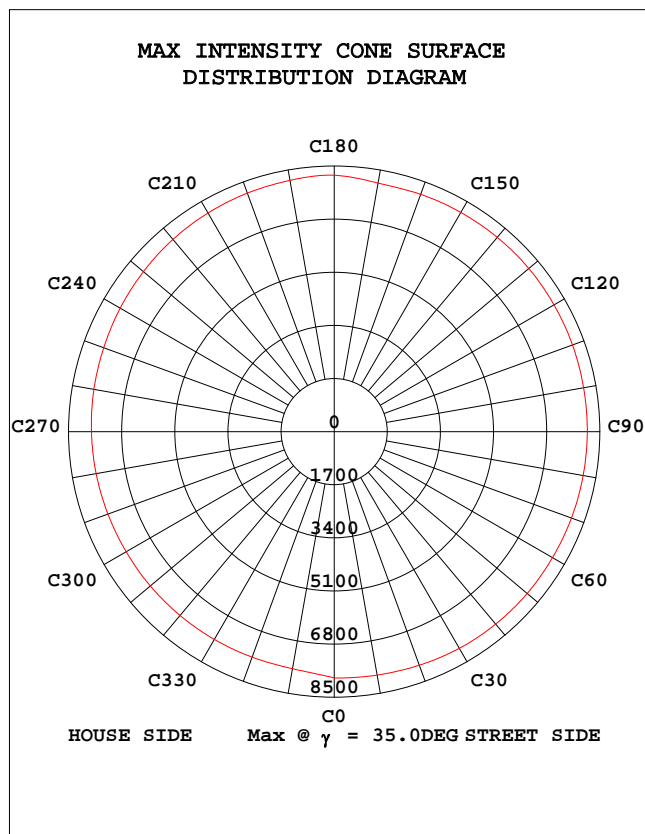
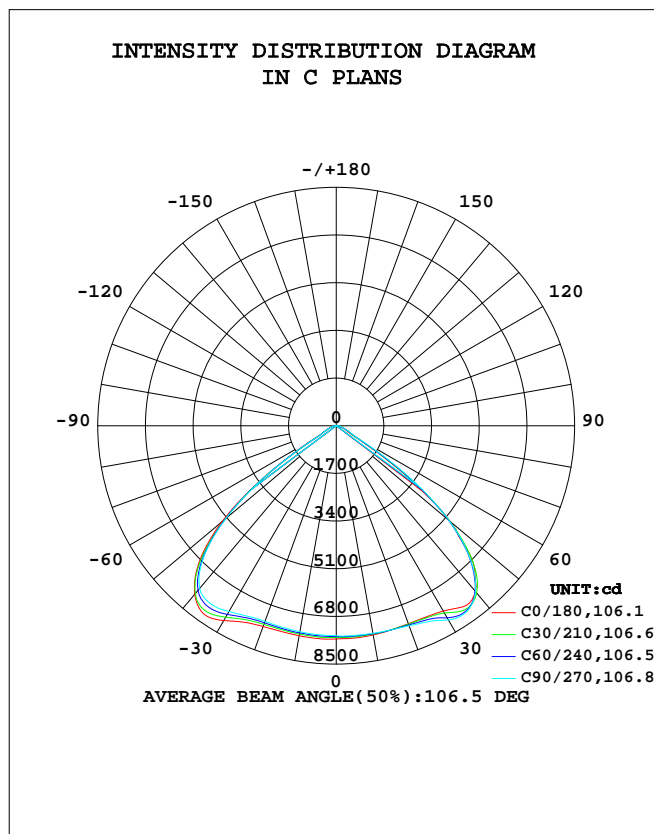


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: LED Tunnel Lights	TYPE:5S 5050	WEIGHT:4.4kg
SPEC.:	DIM.: 312*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*222 mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 165.00 lm/W			
MODEL	ZGSM-SDD120H4	I _{max} (cd)	8208	η street_up(%)	0.0
NOMINAL POWER(W)	120	LOR(%)	100.0	η street_down(%)	50.5
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	19800	η house_up(%)	0.0
NOMINAL FLUX(lm)	19800	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	19.924

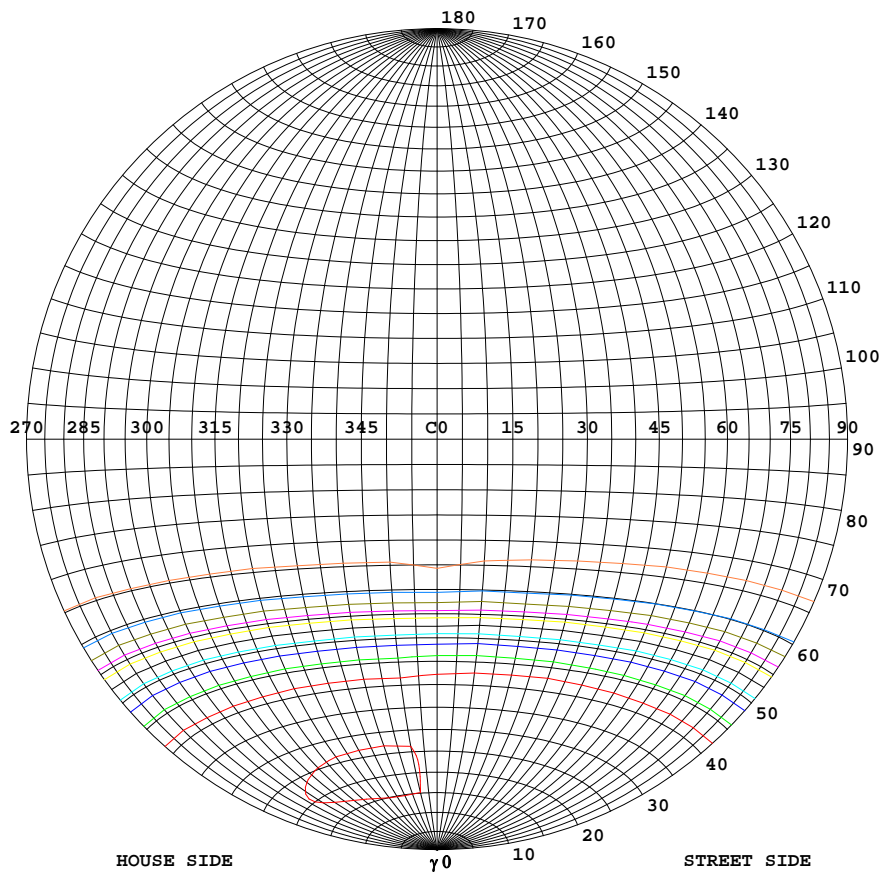


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018

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



Classification:

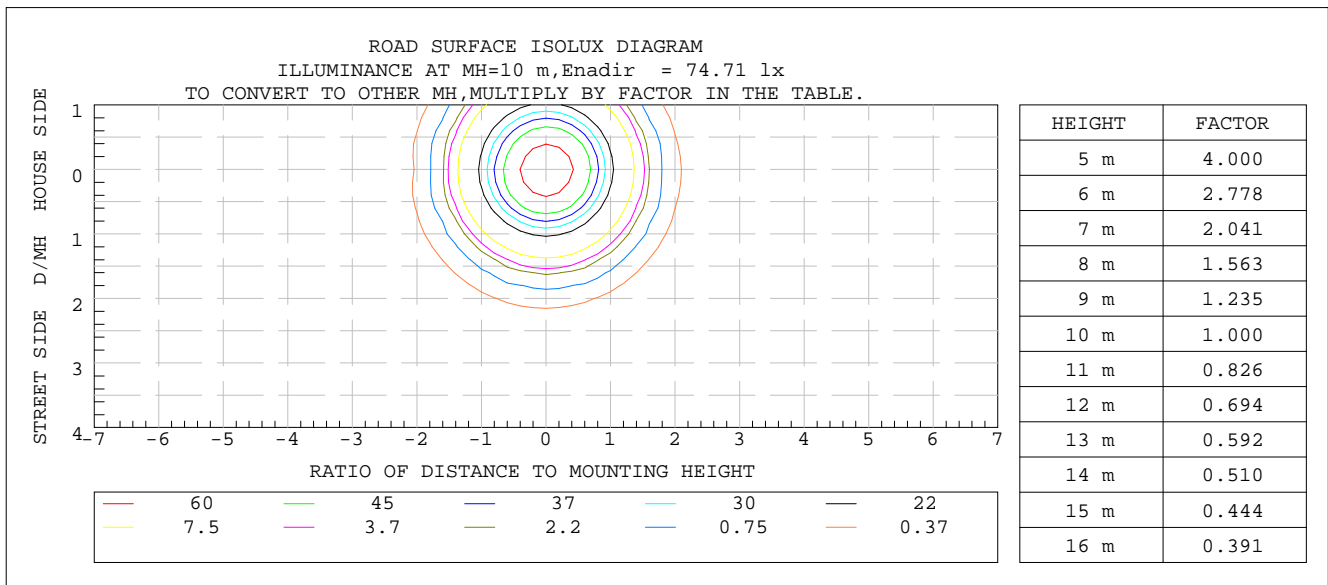
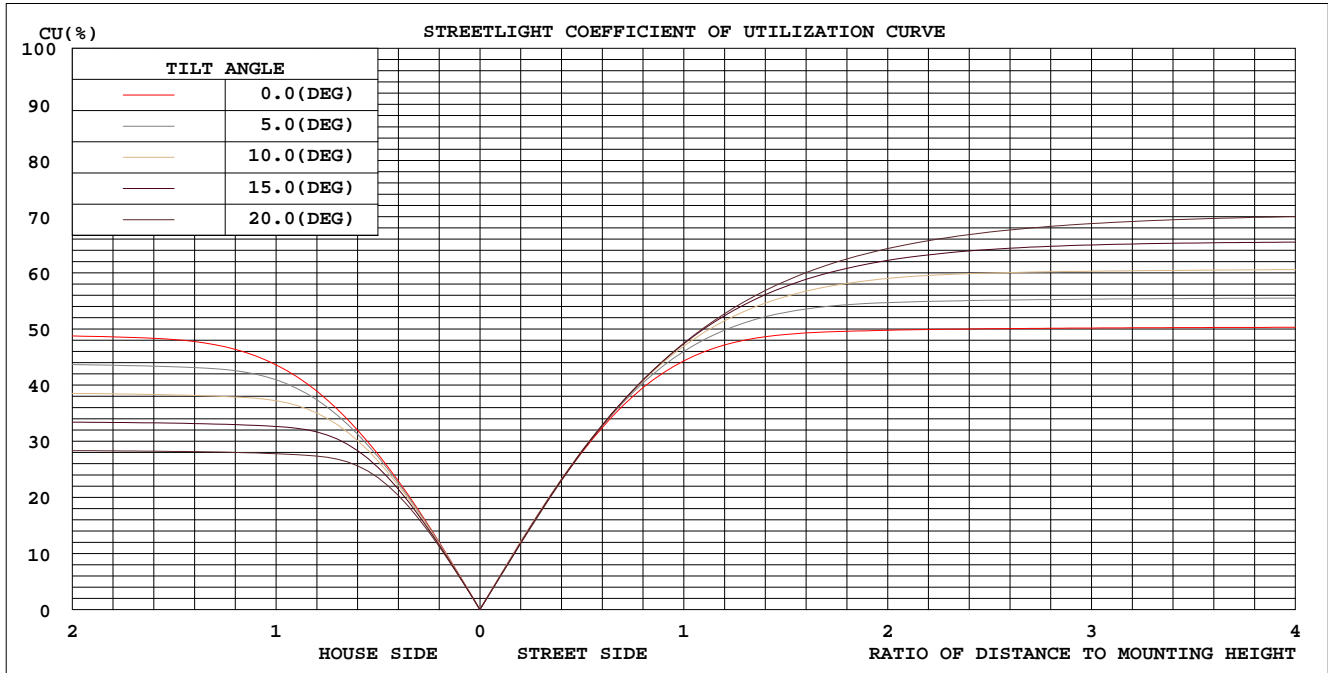
IES:Type V - Very Short
 CIE:Narrow - Short
 IES:Full cut-off
 CIE:Full cut-off
 Max.At80:8.042cd/klm
 Max.At90:0cd/klm
 Max.80-90:8.042cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	8208
90%	7387
80%	6566
70%	5745
60%	4925
50%	4104
40%	3283
30%	2462
20%	1642
10%	821
5%	410

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

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:

ZONAL FLUX DIAGRAM

NAME: LED Tunnel Lights	TYPE:5S 5050	WEIGHT:4.4kg
SPEC.:	DIM.: 312*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*222 mm	Shielding Angle:

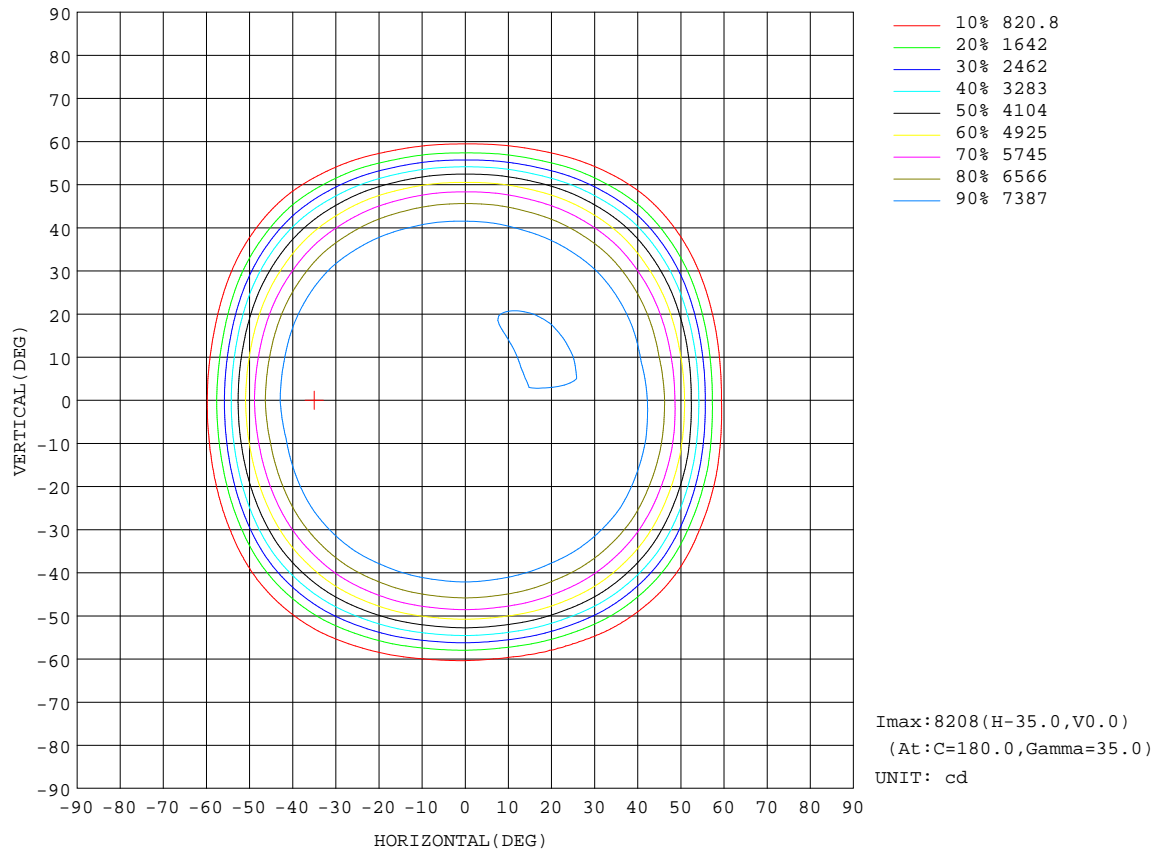
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
10	7576	7538	7518	7494	7605	7521	7457	7426	0- 10	716.4	716.4	3.62,3.62
20	7513	7539	7588	7543	7619	7502	7423	7358	10- 20	2124	2840	14.3,14.3
30	7631	7808	7996	7949	8020	7826	7648	7493	20- 30	3519	6360	32.1,32.1
40	7714	7752	7723	7760	7850	7750	7575	7563	30- 40	4951	11310	57.1,57.1
50	5309	5229	5236	5218	5316	5142	5127	5176	40- 50	5148	16458	83.1,83.1
60	646.2	789.3	876.1	883.6	747.5	683.6	677.4	712.8	50- 60	2580	19038	96.2,96.2
70	249.7	317.0	291.8	308.7	284.0	289.3	262.8	296.3	60- 70	457.7	19496	98.5,98.5
80	113.3	143.0	150.6	146.9	114.6	144.2	144.6	139.9	70- 80	210.5	19707	99.5,99.5
90	0	0	0	0	0	0	0	0	80- 90	93.54	19800	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

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

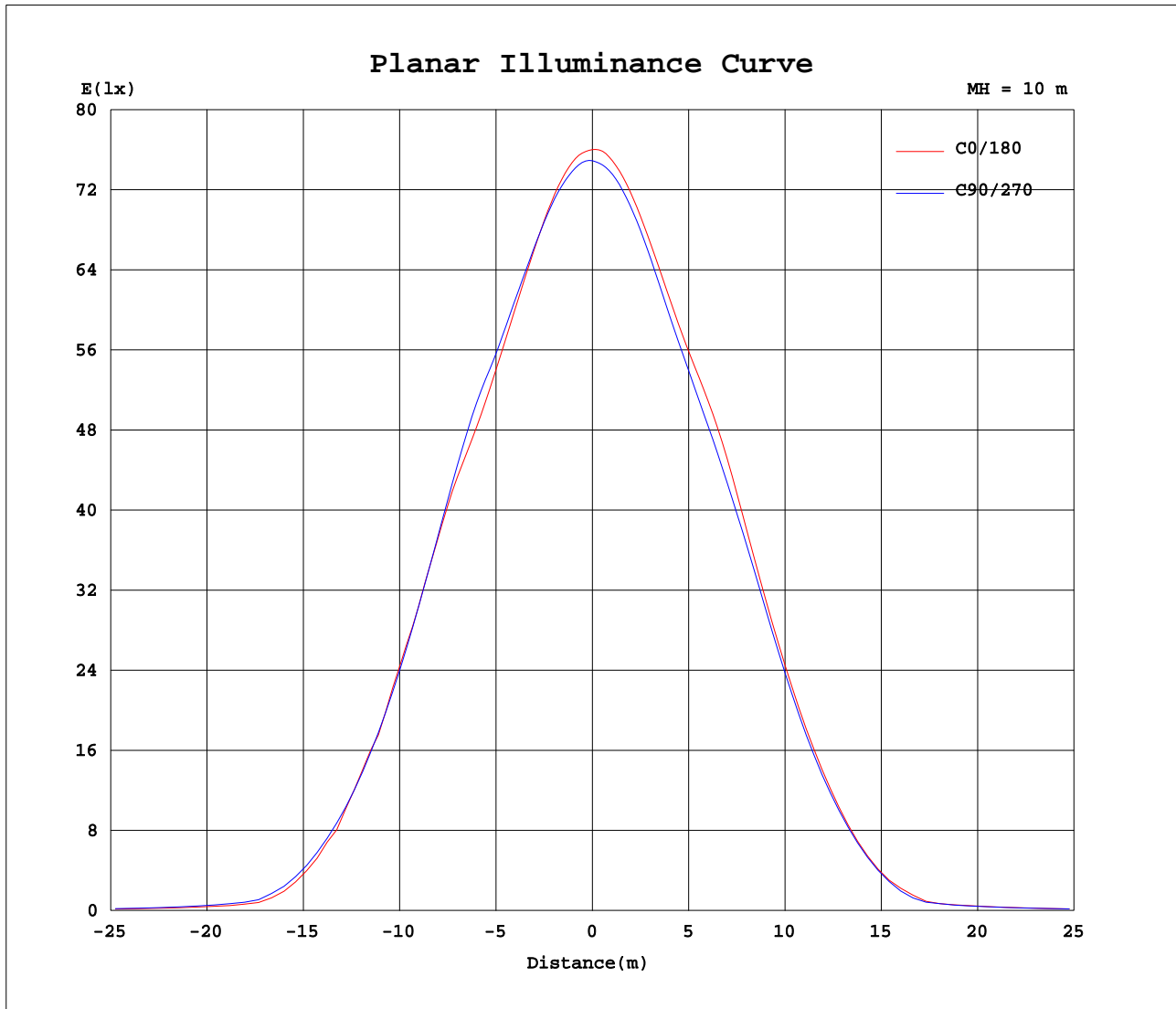
NAME: LED Tunnel Lights	TYPE:5S 5050	WEIGHT:4.4kg
SPEC.:	DIM.: 312*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*222 mm	Shielding Angle:



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

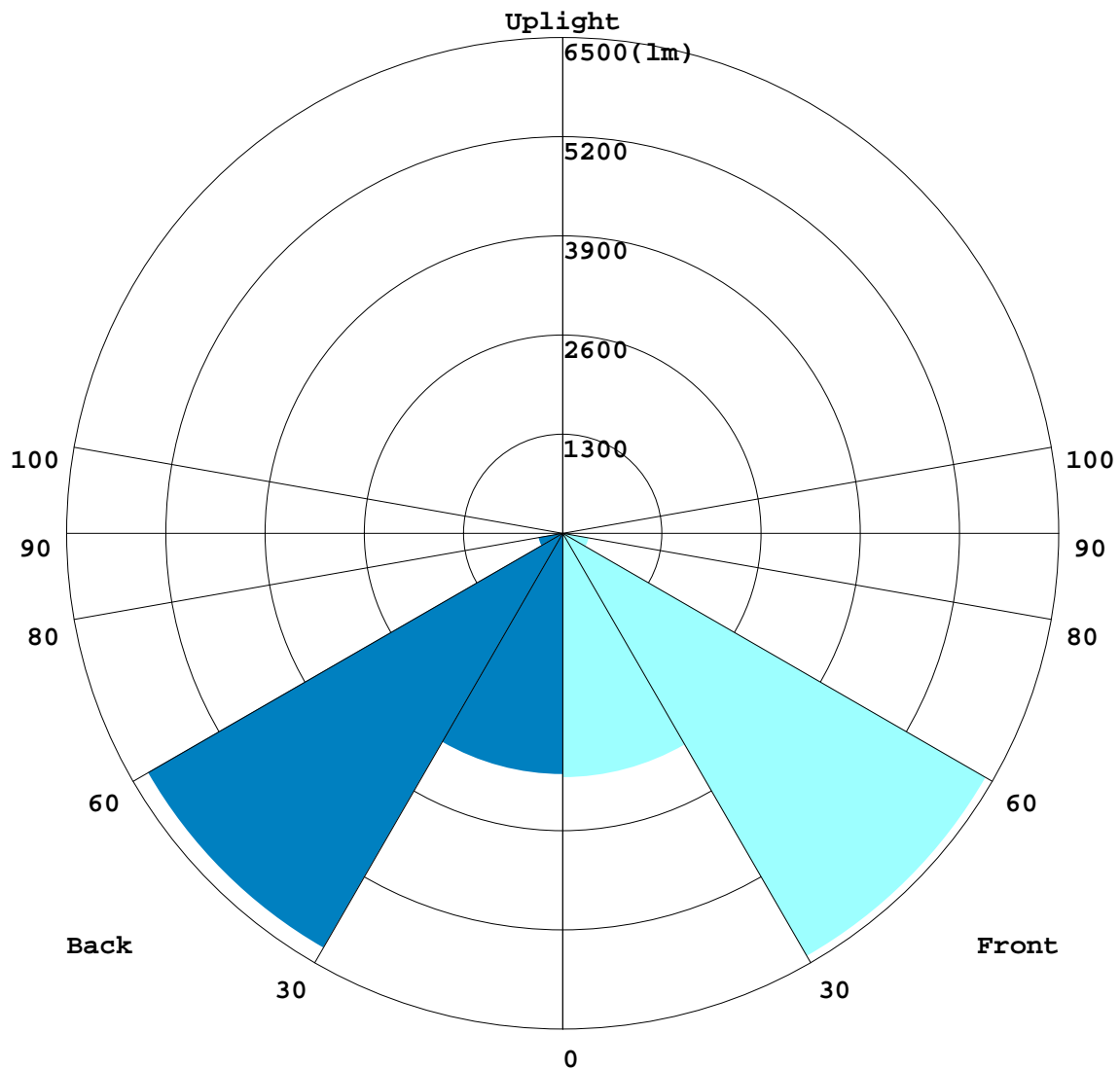


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2018

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:

LCS REPORT

NAME: LED Tunnel Lights	TYPE:5S 5050	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: 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: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)	3200.1	16.2
FM - Front-Medium(30-60)	6403	32.3
FH - Front-High(60-80)	347.53	1.8
FVH - Front-Very High(80-90)	46.958	0.2
Total Forward Light	9997.6	50.5

BL - Back-Low(0-30)	3159.4	16.0
BM - Back-Medium(30-60)	6275.8	31.7
BH - Back-High(60-80)	320.67	1.6
BVH - Back-Very High(80-90)	46.582	0.2
Total Back Light	9802.5	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
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	9802.5	0	9802.5
Street Side	9997.6	0	9997.6

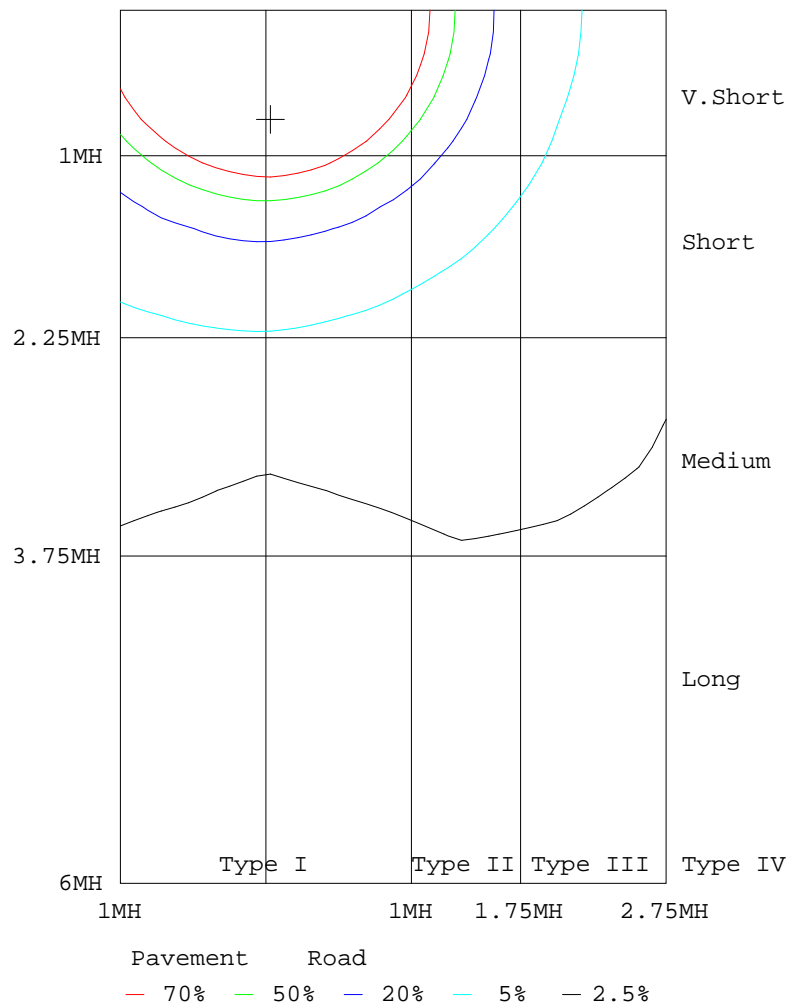
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018

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: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: 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:

```

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:

```