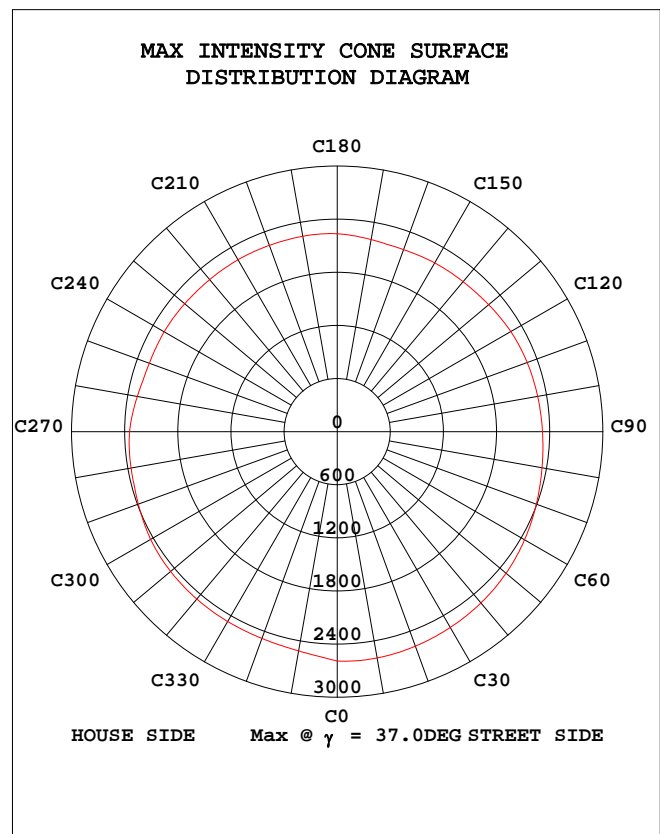
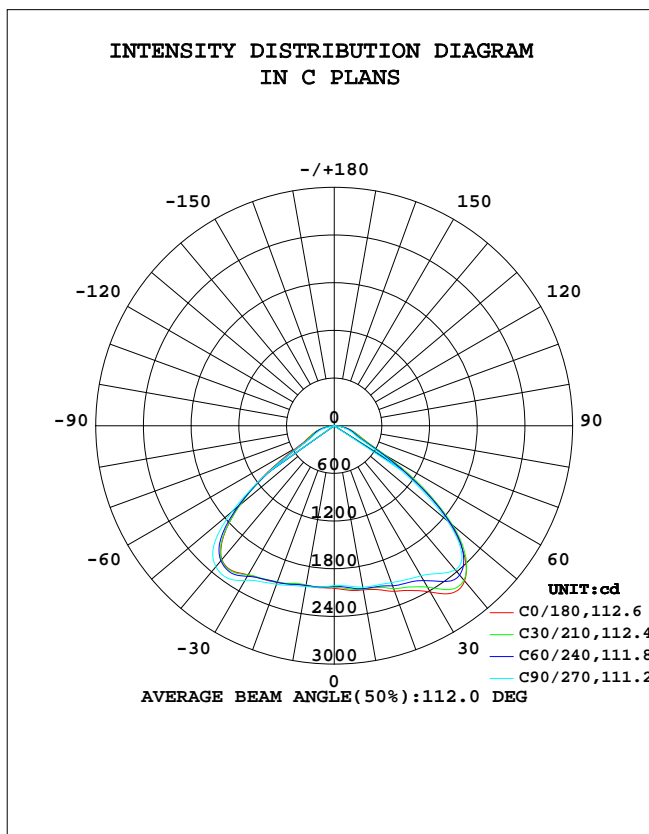


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: LED Tunnel Lights	TYPE:5S 5050	WEIGHT:2.3kg
SPEC.:	DIM.: 166*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*70 mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.00 lm/W			
MODEL	ZGSM-SDD50H5	I _{max} (cd)	2590	η street_up(%)	0.0
NOMINAL POWER(W)	50	LOR(%)	100.0	η street_down(%)	51.1
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	6500	η house_up(%)	0.0
NOMINAL FLUX(lm)	6500	MAXIMUM @(C,γ)	0,37.0	η house_down(%)	48.9
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	220.1	η down(%)	100.0	SLI	20.048

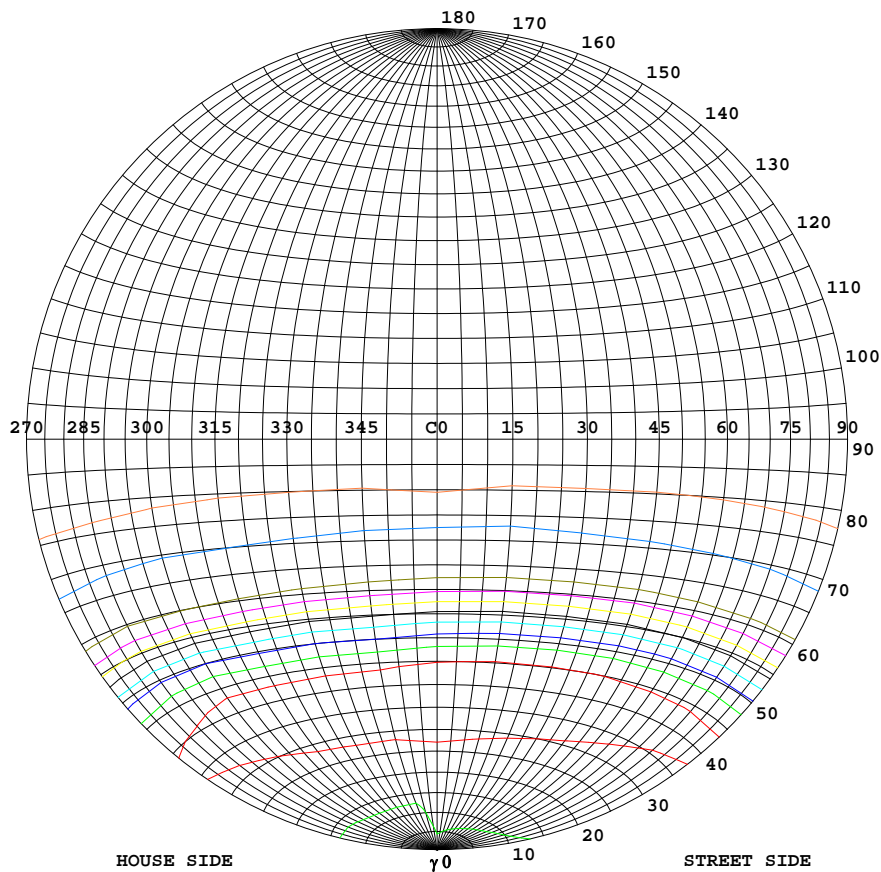


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018

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:5S 5050	WEIGHT:2.3kg
SPEC.:	DIM.: 166*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*70 mm	Shielding Angle:



Classification:

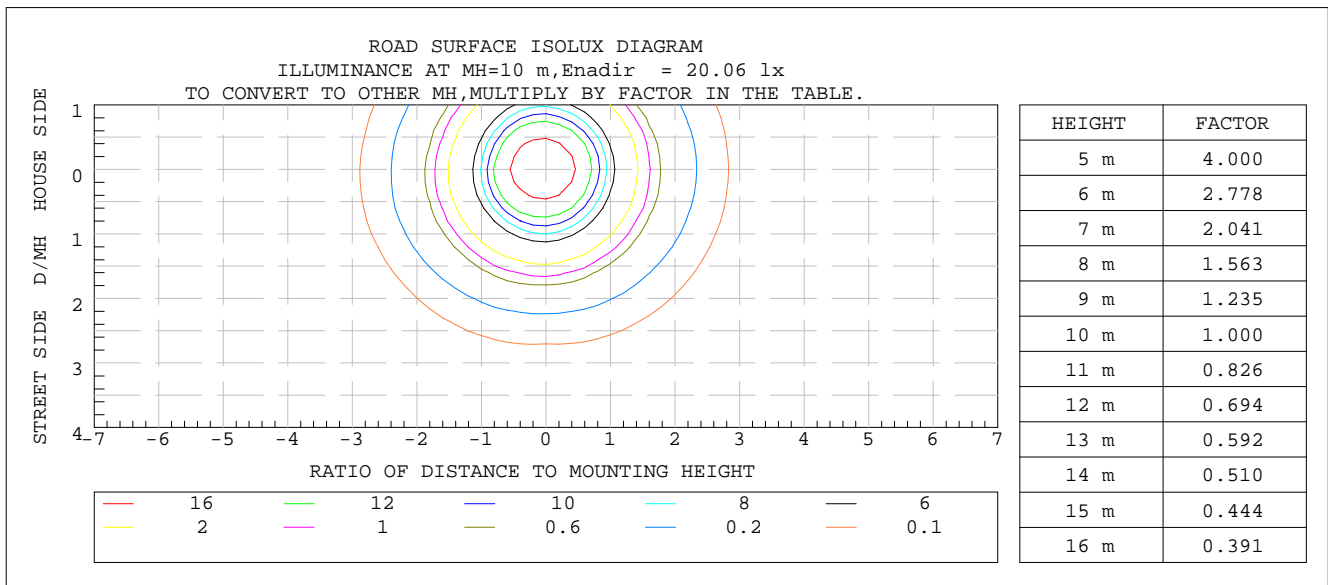
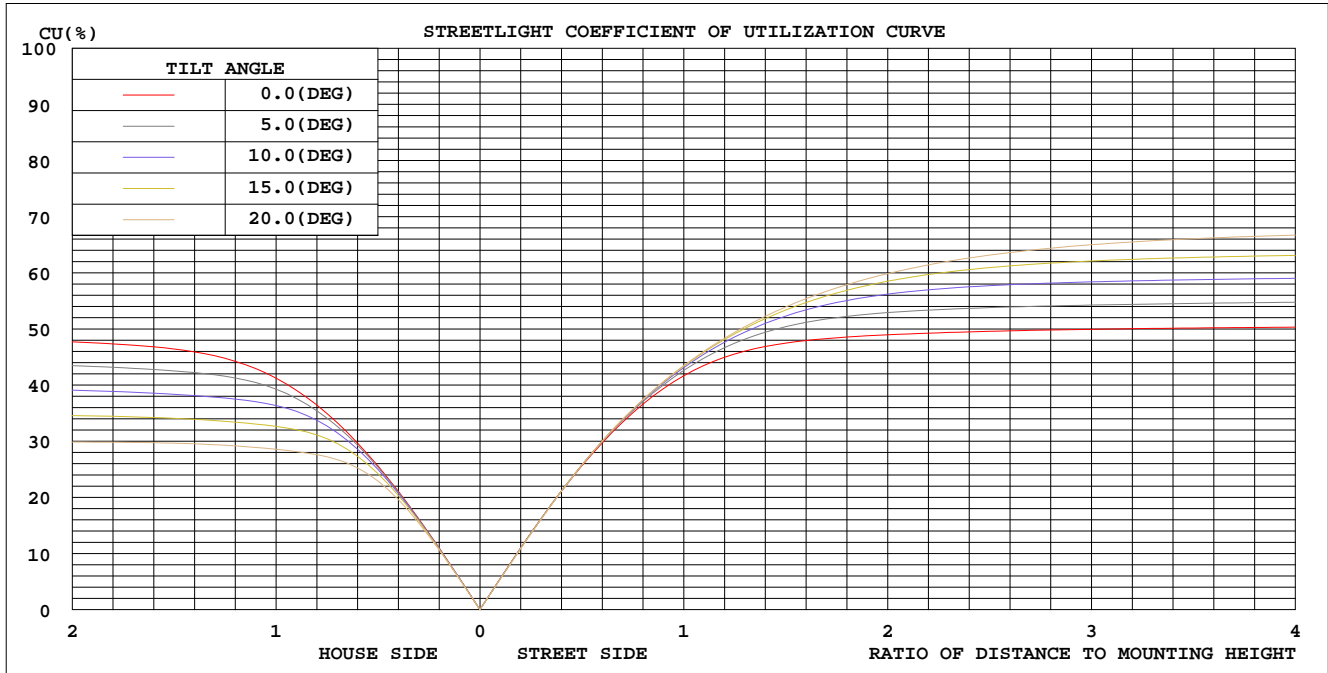
IES:Type V - Very Short
 CIE:Narrow - Short
 IES:Full cut-off
 CIE:Full cut-off
 Max.At80:22.62cd/klm
 Max.At90:0cd/klm
 Max.80-90:22.62cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2590
90%	2331
80%	2072
70%	1813
60%	1554
50%	1295
40%	1036
30%	777
20%	518
10%	259
5%	129

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

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:2.3kg
SPEC.:	DIM.: 166*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*70 mm	Shielding Angle:

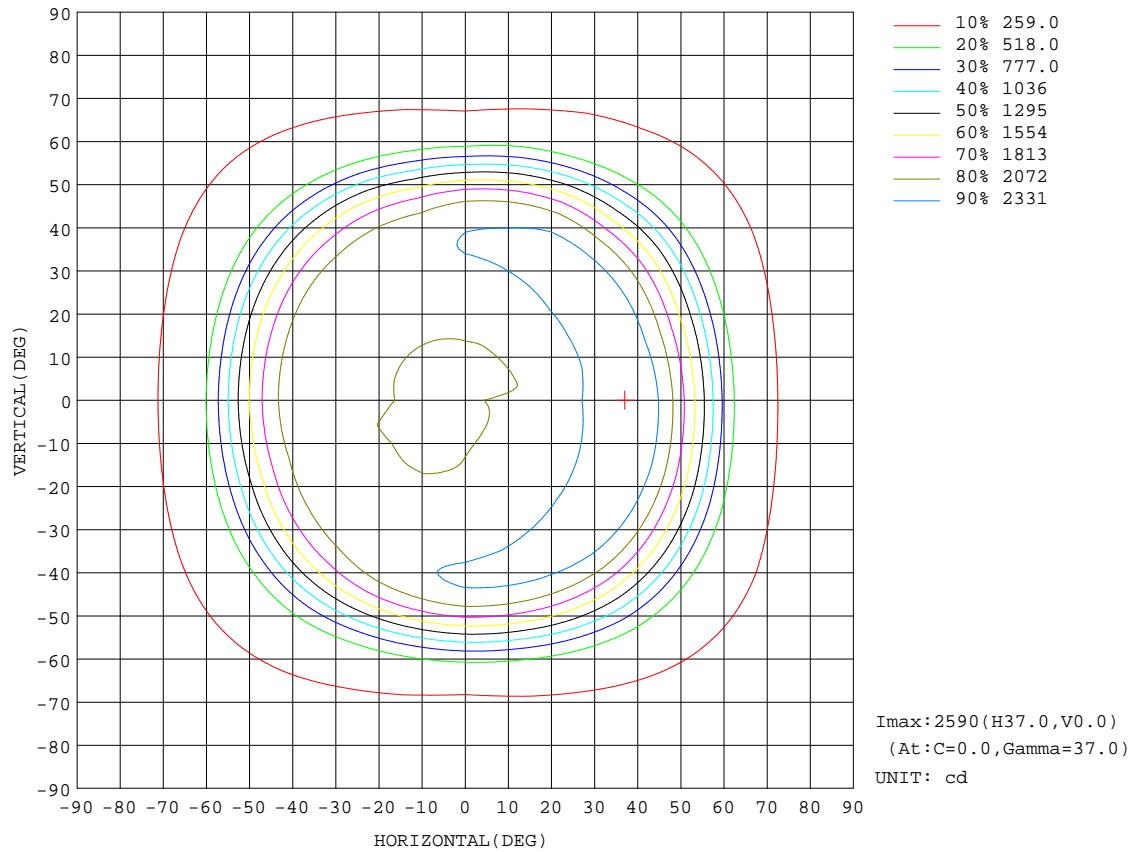
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
10	2099	2086	2061	2024	2044	2037	2055	2060	0- 10	195.0	195.0	3,3
20	2217	2161	2103	2072	2099	2093	2123	2158	10- 20	591.1	786.1	12.1,12.1
30	2416	2305	2181	2140	2165	2182	2246	2374	20- 30	1008	1795	27.6,27.6
40	2551	2502	2369	2201	2199	2201	2317	2426	30- 40	1462	3256	50.1,50.1
50	1892	1941	1851	1606	1560	1555	1679	1771	40- 50	1629	4885	75.2,75.2
60	726.0	723.8	582.8	524.8	523.1	449.1	433.5	547.0	50- 60	1007	5892	90.7,90.6
70	296.1	276.2	232.0	261.6	277.1	257.7	216.0	258.2	60- 70	357.7	6250	96.2,96.2
80	118.6	135.9	99.19	117.3	106.3	104.5	18.49	115.0	70- 80	200.4	6450	99.2,99.2
90	0	0	0	0	0	0	0	0	80- 90	49.43	6500	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: 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:

ISOCANDELA DIAGRAM

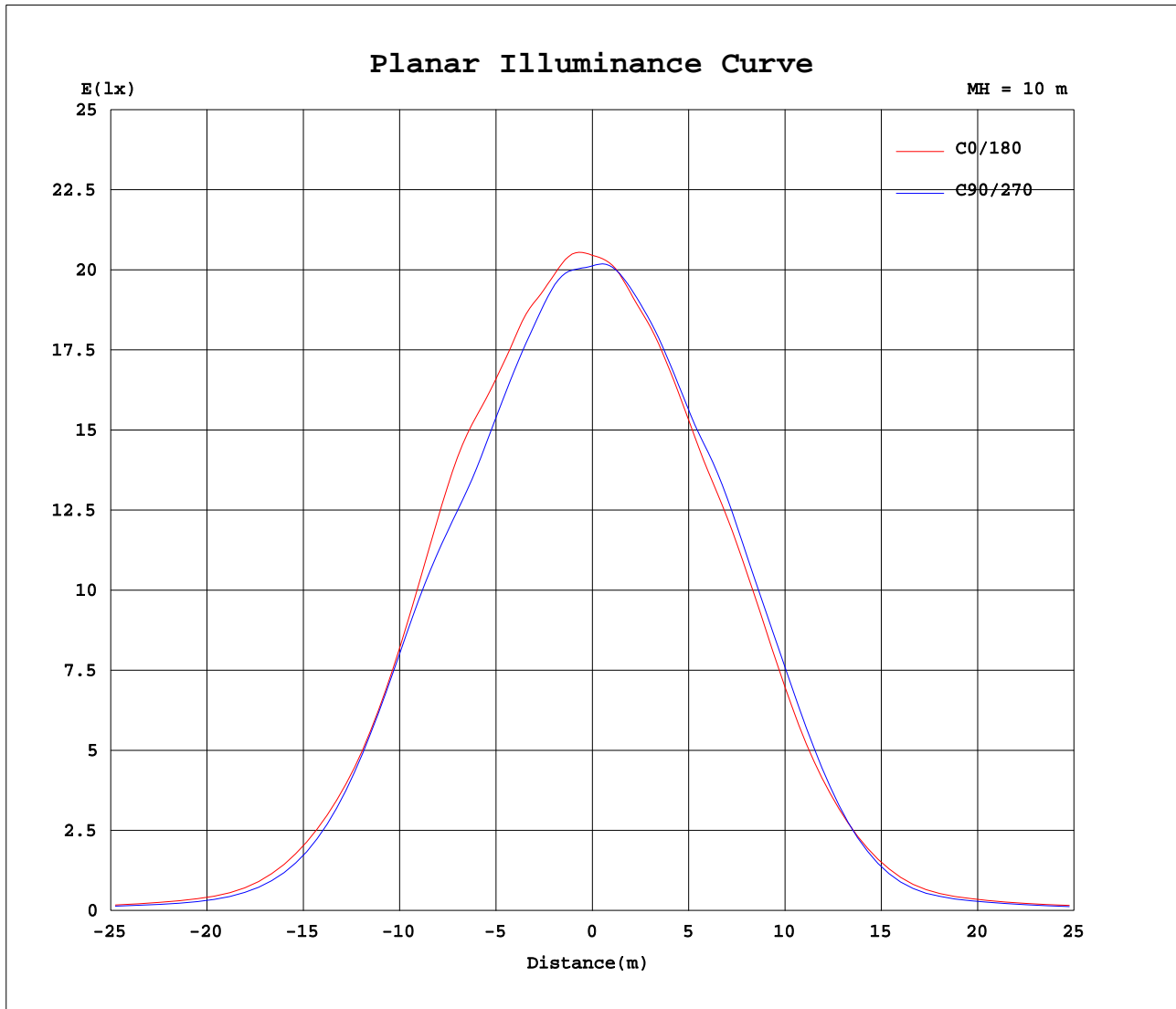
NAME: LED Tunnel Lights	TYPE:5S 5050	WEIGHT:2.3kg
SPEC.:	DIM.: 166*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*70 mm	Shielding Angle:



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

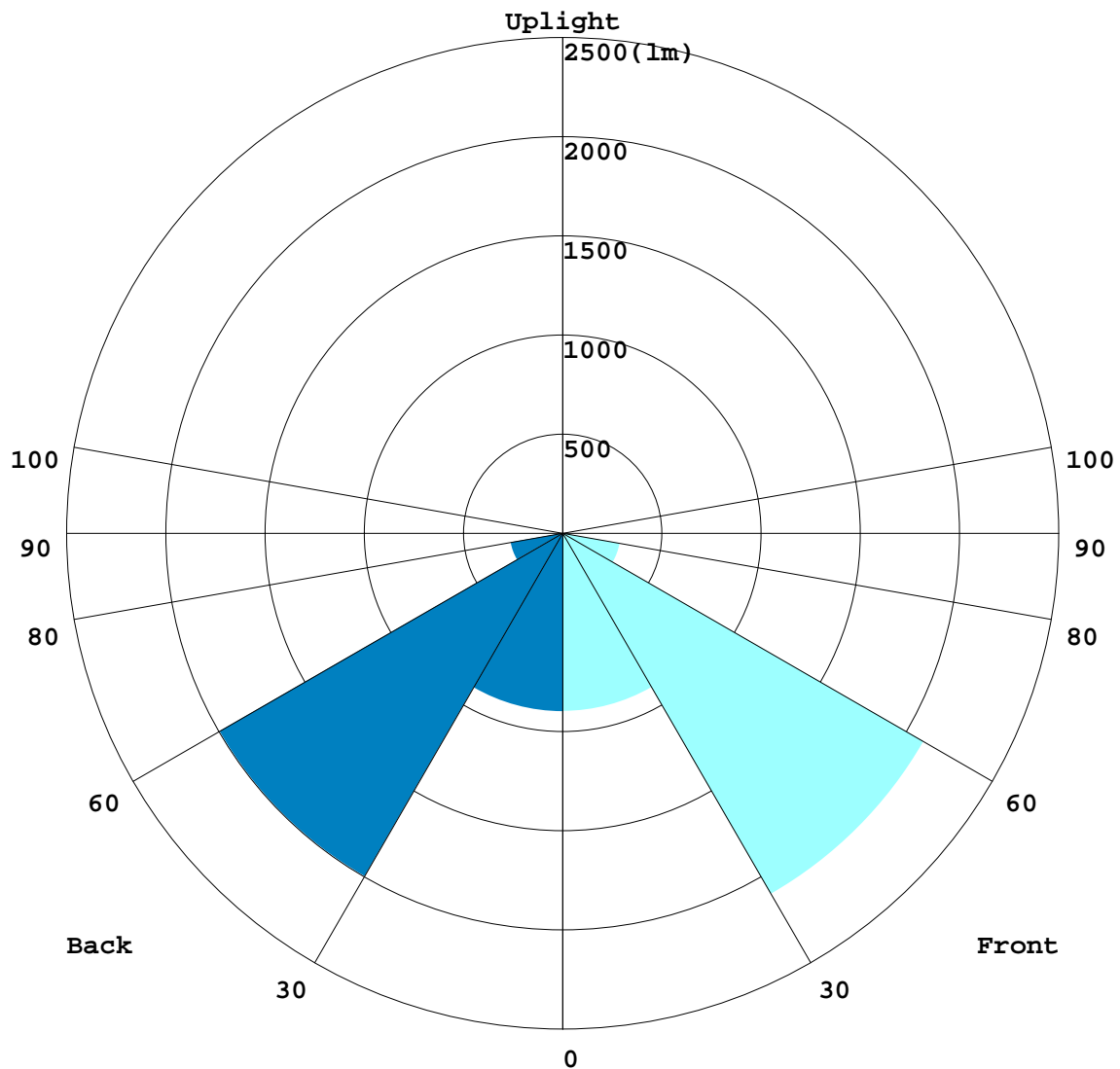


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2018

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:2.3kg
SPEC.:	DIM.: 166*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*70 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:5S 5050	WEIGHT:2.3kg
SPEC.:	DIM.: 166*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*70 mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	896.42	13.8
FM - Front-Medium(30-60)	2100.7	32.3
FH - Front-High(60-80)	292.25	4.5
FVH - Front-Very High(80-90)	29.331	0.5
Total Forward Light	3318.7	51.1

BL - Back-Low(0-30)	898.1	13.8
BM - Back-Medium(30-60)	1997	30.7
BH - Back-High(60-80)	265.84	4.1
BVH - Back-Very High(80-90)	20.103	0.3
Total Back Light	3181	48.9

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	B2-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3181	0	3181
Street Side	3318.7	0	3318.7

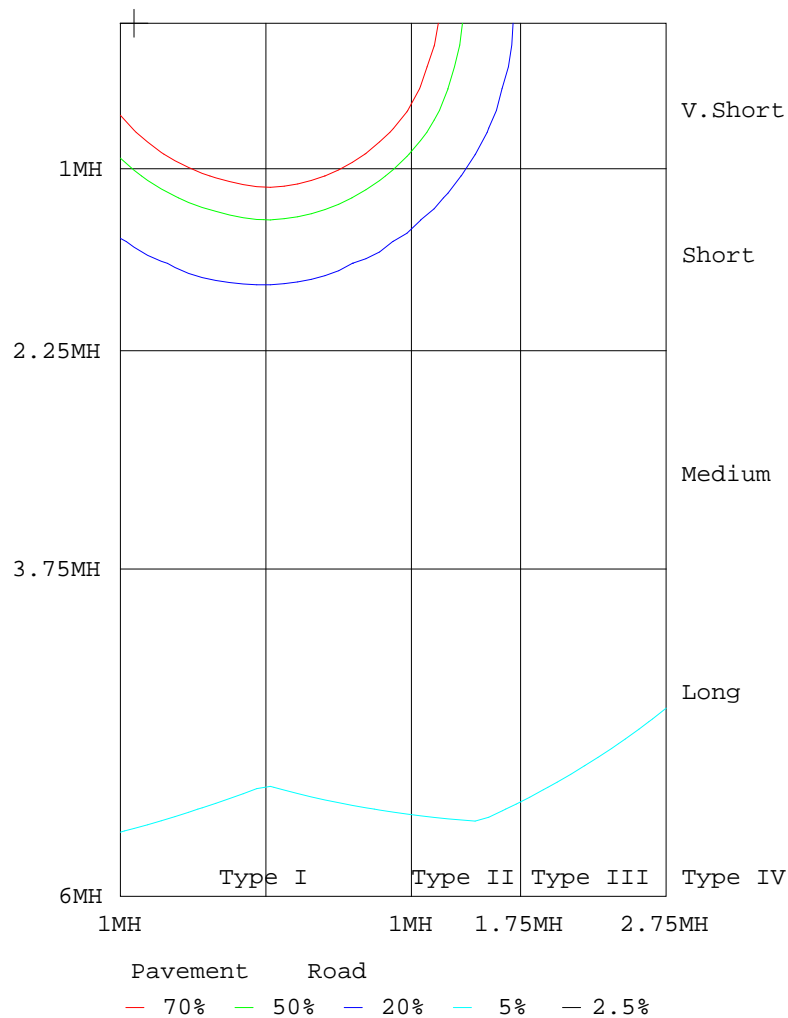
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018

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:5S 5050	WEIGHT:2.3kg
SPEC.:	DIM.: 166*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*70 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

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:

```

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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:

```