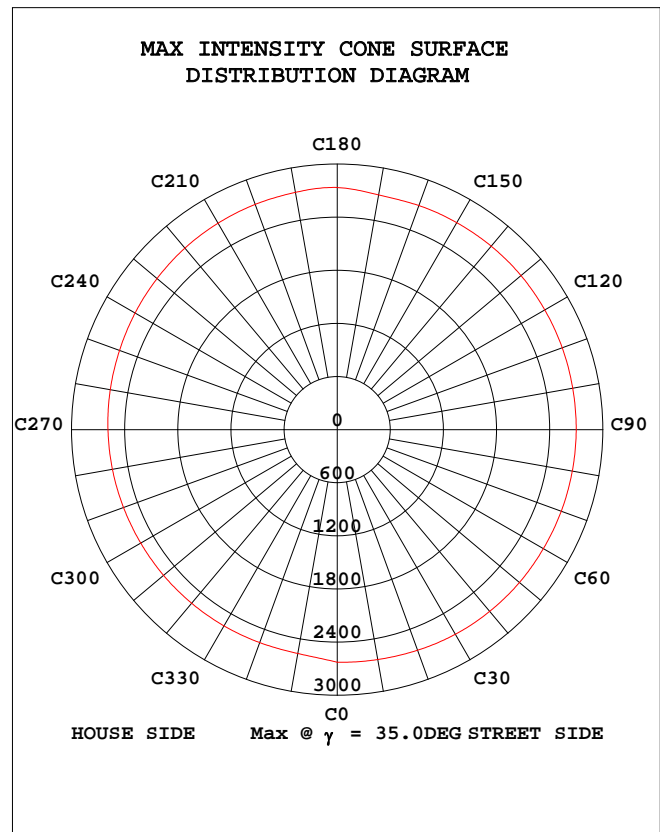
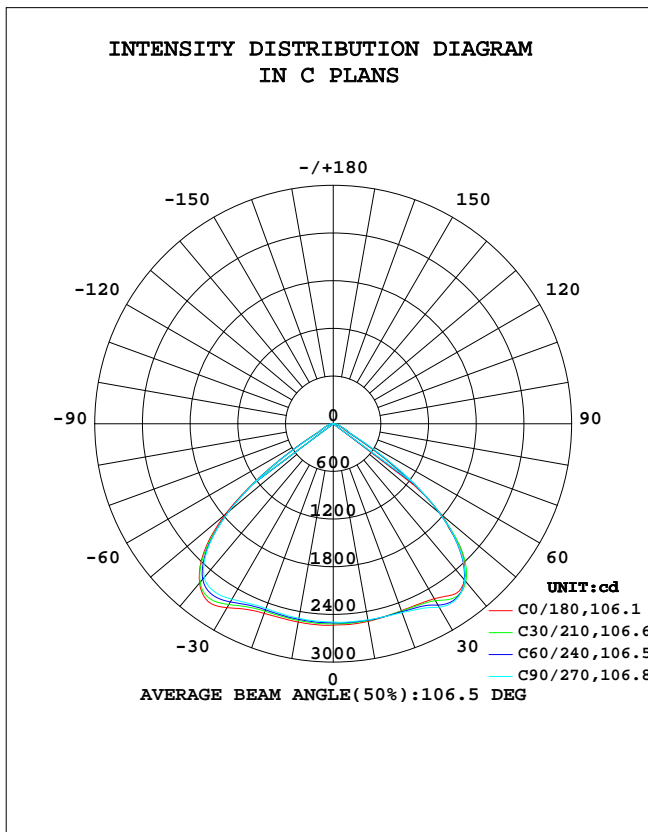


STREETLIGHT PHOTOMETRIC TEST REPORT

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: 165.00 lm/W			
MODEL	ZGSM-SDD40H4	I _{max} (cd)	2736	η street_up(%)	0.0
NOMINAL POWER(W)	40	LOR(%)	100.0	η street_down(%)	50.5
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	6600	η house_up(%)	0.0
NOMINAL FLUX(lm)	6600	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	18.345

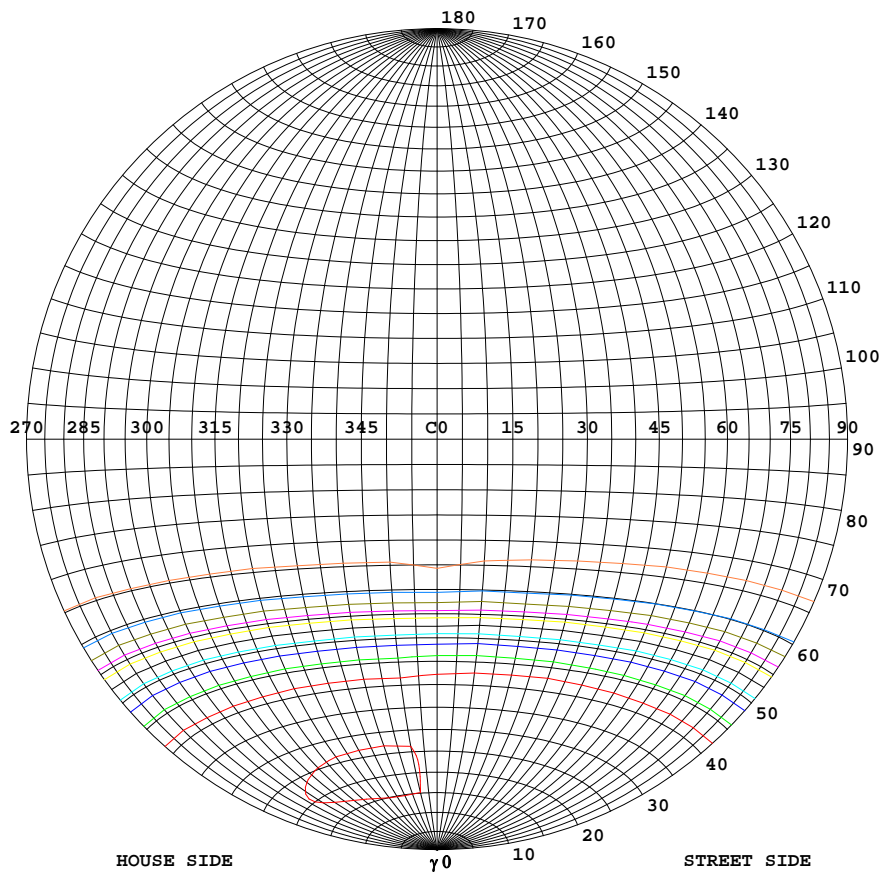


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018

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



Classification:

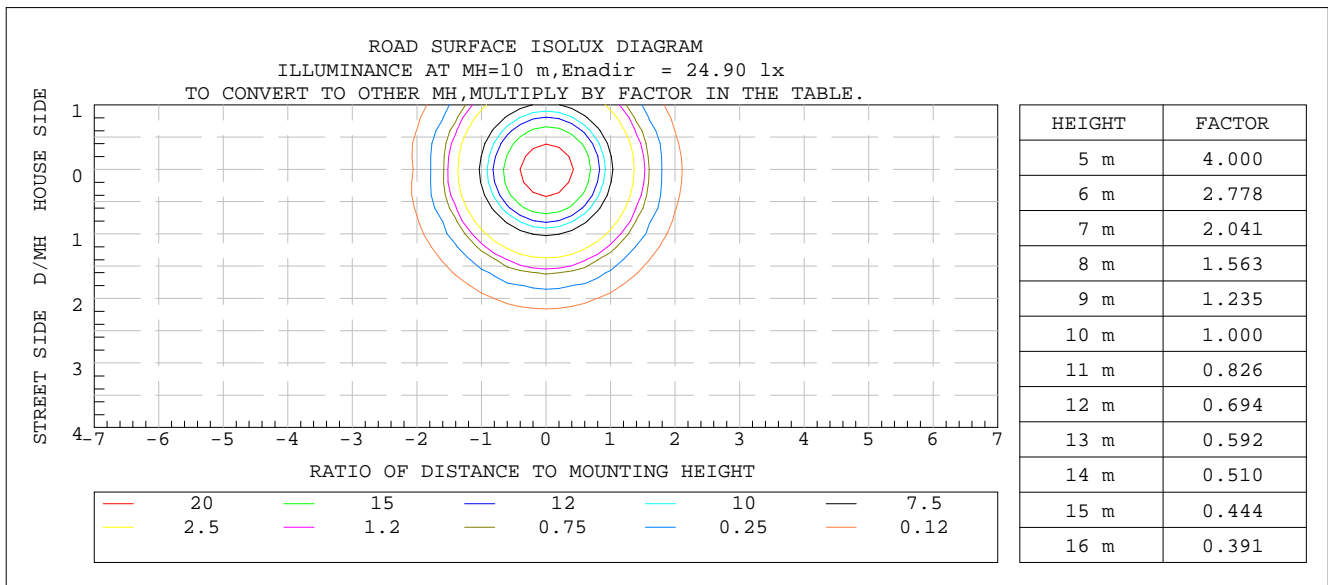
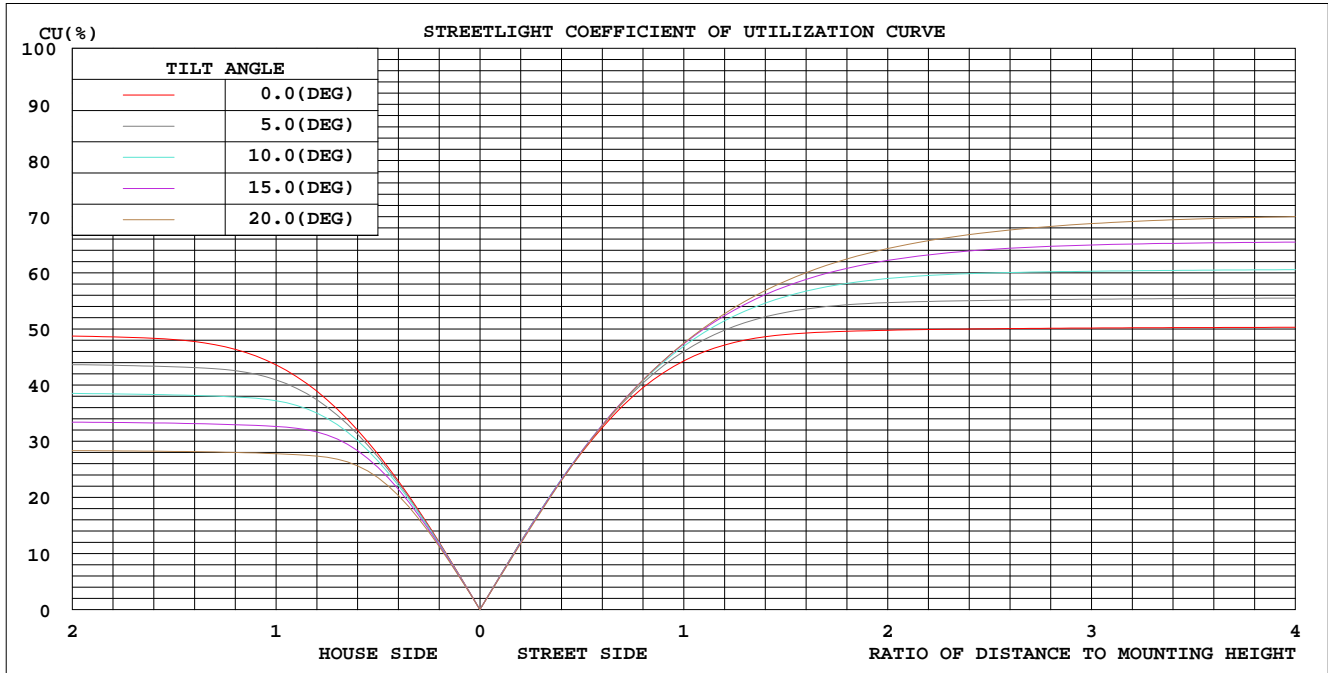
IES:Type V - Very Short
 CIE:Narrow - Short
 IES:Full cut-off
 CIE:Full cut-off
 Max.At80:8.041cd/klm
 Max.At90:0cd/klm
 Max.80-90:8.041cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2736
90%	2462
80%	2189
70%	1915
60%	1641
50%	1368
40%	1094
30%	821
20%	547
10%	274
5%	137

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

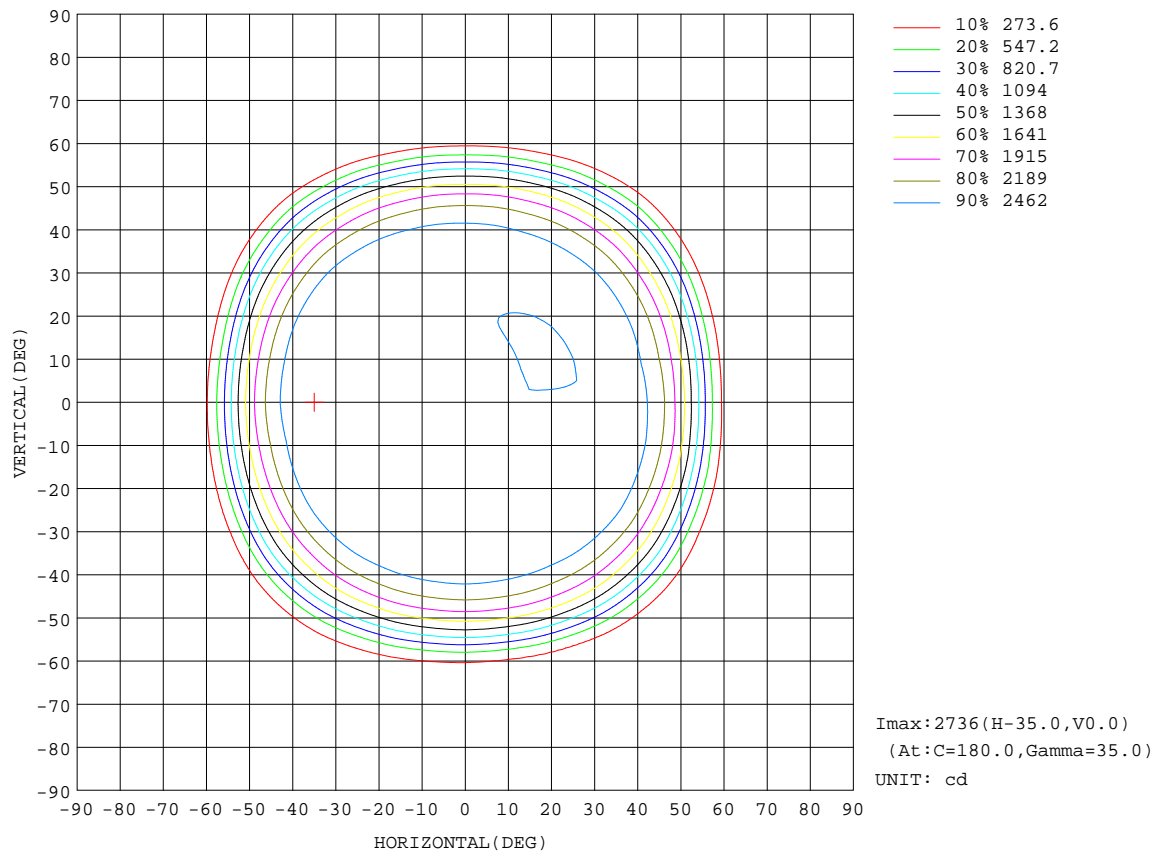
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
10	2525	2513	2506	2498	2535	2507	2485	2475	0- 10	238.8	238.8	3.62,3.62
20	2504	2513	2529	2514	2539	2501	2474	2453	10- 20	708.0	946.8	14.3,14.3
30	2543	2603	2665	2650	2673	2608	2549	2497	20- 30	1173	2120	32.1,32.1
40	2571	2584	2574	2587	2617	2583	2525	2521	30- 40	1650	3770	57.1,57.1
50	1770	1743	1745	1739	1772	1714	1709	1725	40- 50	1716	5486	83.1,83.1
60	215.4	263.1	292.0	294.5	249.1	227.9	225.8	237.6	50- 60	860.0	6346	96.2,96.1
70	83.24	105.7	97.27	102.9	94.68	96.41	87.59	98.76	60- 70	152.6	6498	98.5,98.5
80	37.78	47.66	50.19	48.96	38.18	48.05	48.20	46.64	70- 80	70.15	6568	99.5,99.5
90	0	0	0	0	0	0	0	0	80- 90	31.18	6600	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

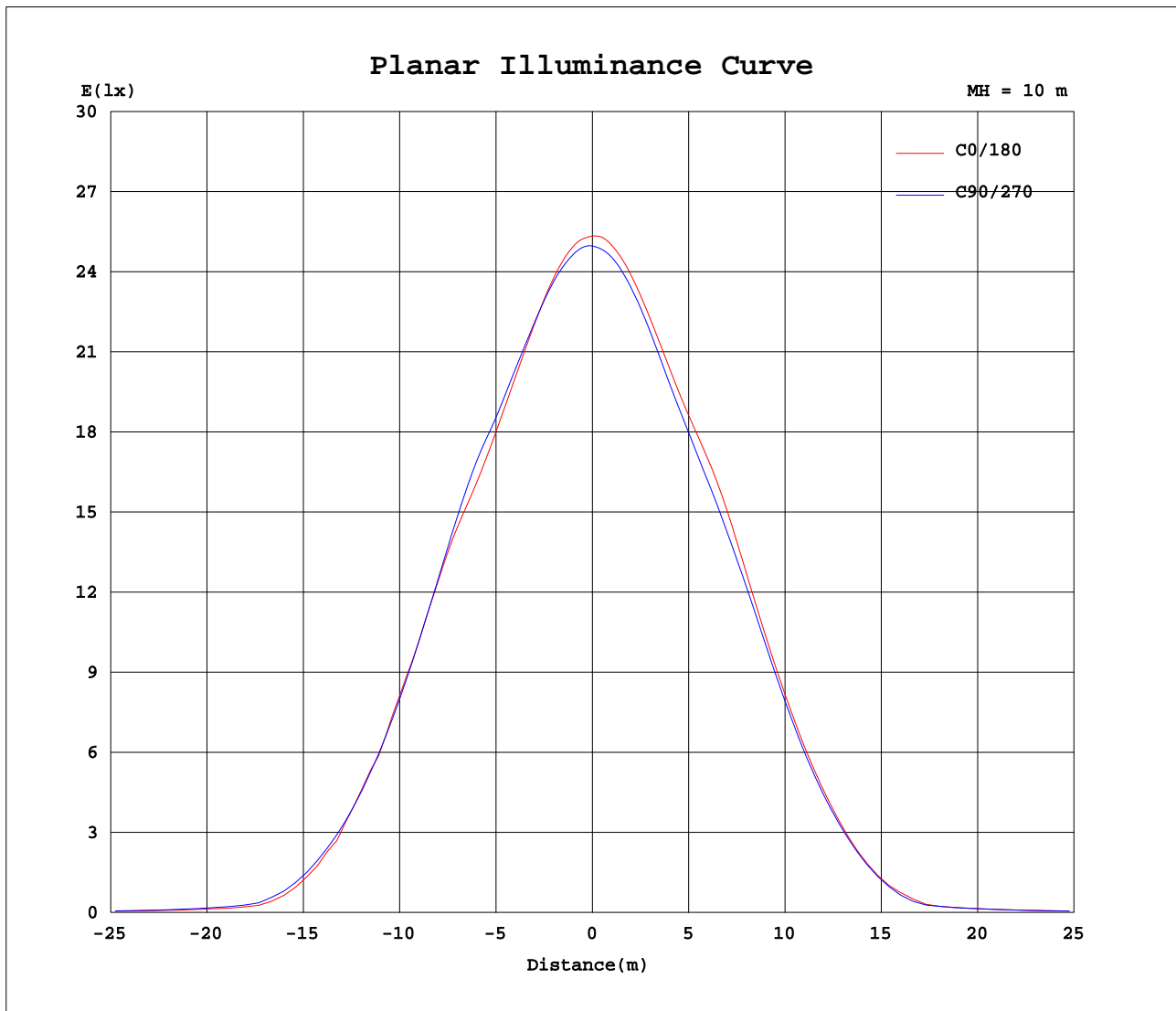
NAME: LED Tunnel Lights	TYPE:5S 5050	WEIGHT:2.3kg
SPEC.:	DIM.: 166*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*70 mm	Shielding Angle:



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



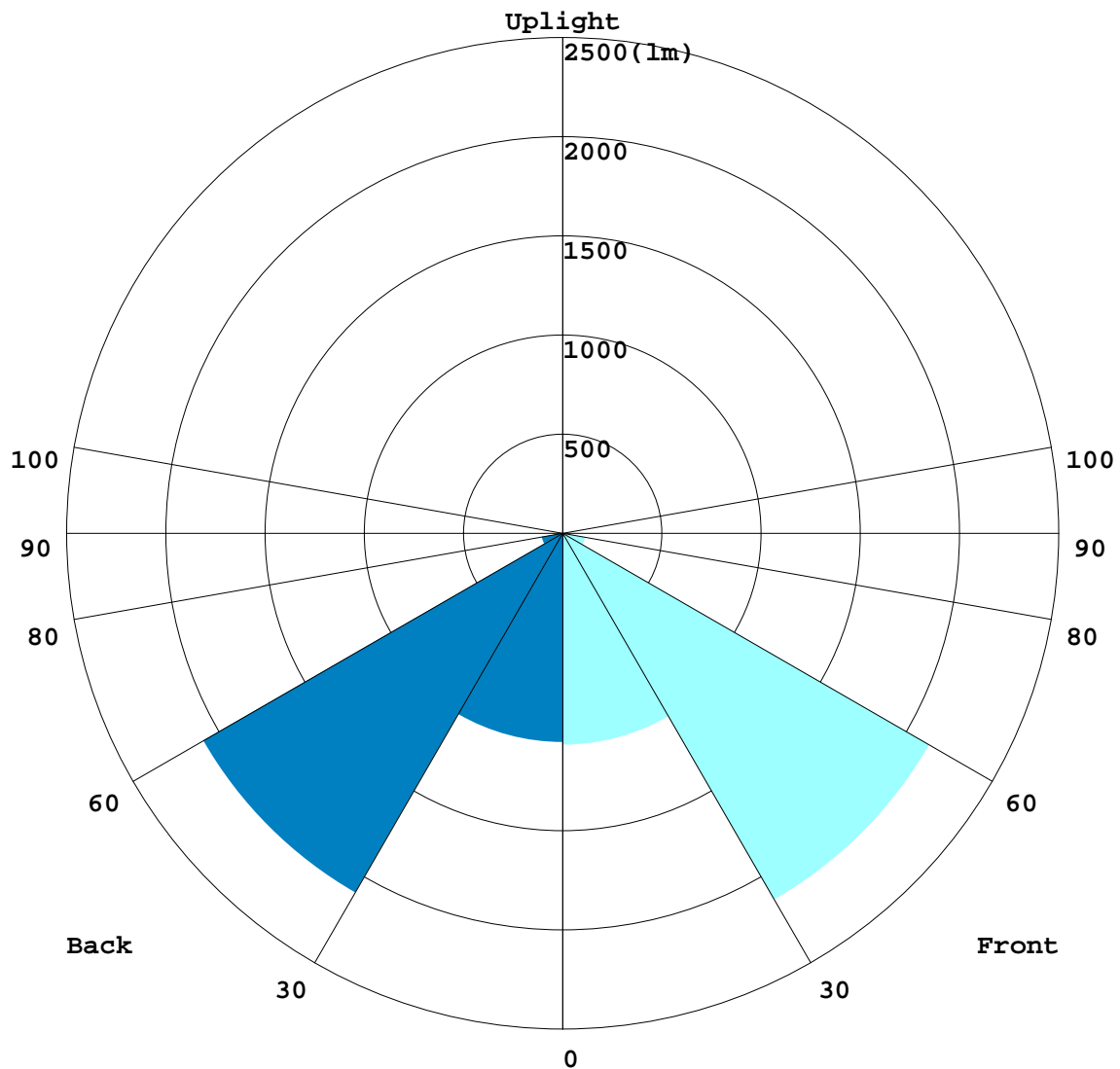
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2018

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: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: 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: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)	1066.6	16.2
FM - Front-Medium(30-60)	2134.2	32.3
FH - Front-High(60-80)	115.84	1.8
FVH - Front-Very High(80-90)	15.652	0.2
Total Forward Light	3332.3	50.5

BL - Back-Low(0-30)	1053.1	16.0
BM - Back-Medium(30-60)	2091.8	31.7
BH - Back-High(60-80)	106.88	1.6
BVH - Back-Very High(80-90)	15.526	0.2
Total Back Light	3267.3	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	B3-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3267.3	0	3267.3
Street Side	3332.3	0	3332.3

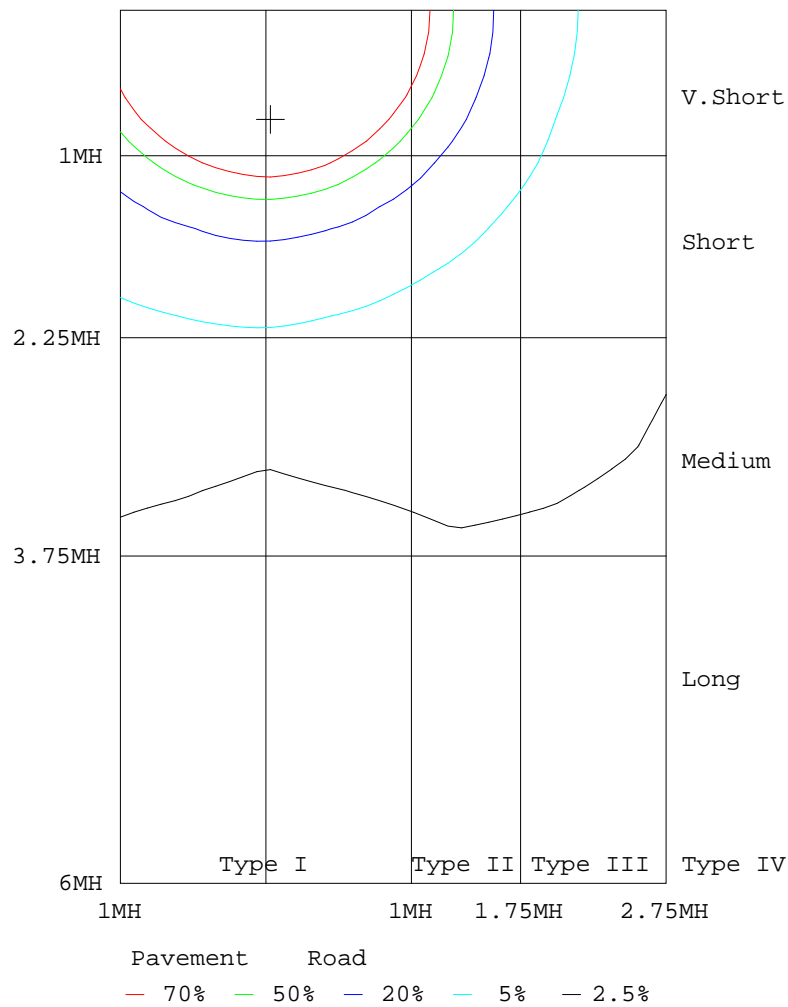
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018

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: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: 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:

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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:

```