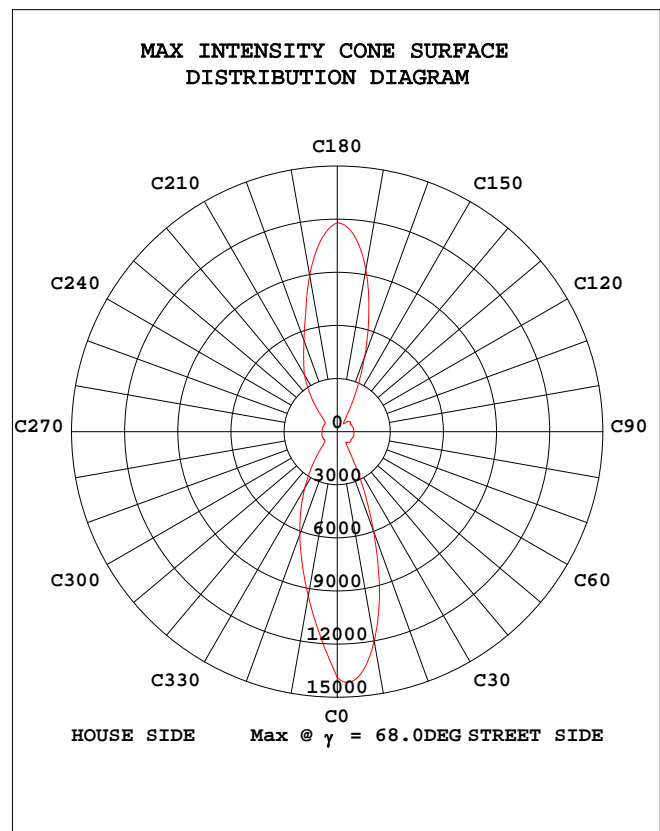
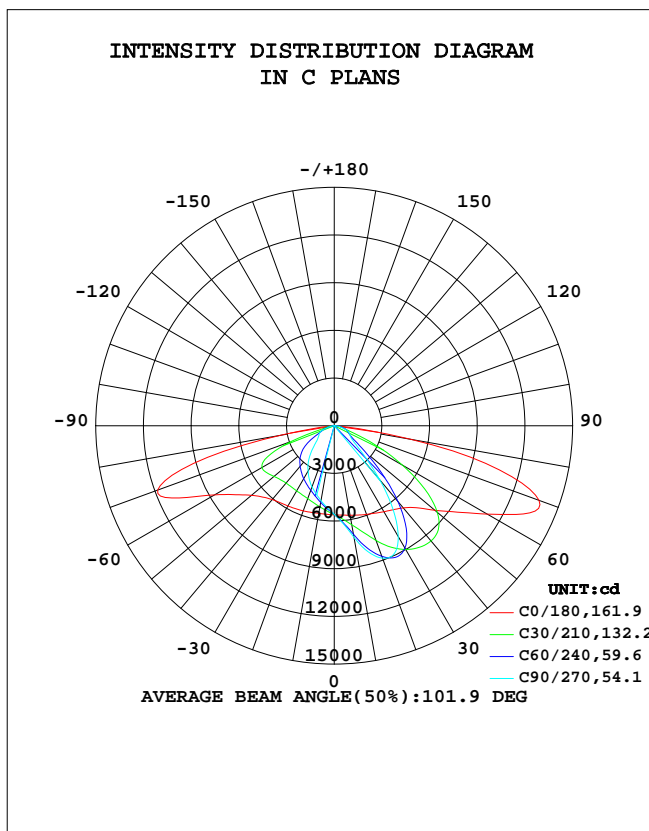


STREETLIGHT PHOTOMETRIC TEST REPORT

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

DATA OF LAMP		PHOTOMETRIC DATA Eff: 140.00 lm/W			
MODEL	ZGSM-SDD160H4	Imax(cd)	13872	η street_up(%)	0.0
NOMINAL POWER(W)	160	LOR(%)	100.0	η street_down(%)	57.9
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	22400	η house_up(%)	0.0
NOMINAL FLUX(lm)	22400	MAXIMUM @(C, γ)	0,68.0	η house_down(%)	42.1
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	220.1	η down(%)	100.0	SLI	25.853

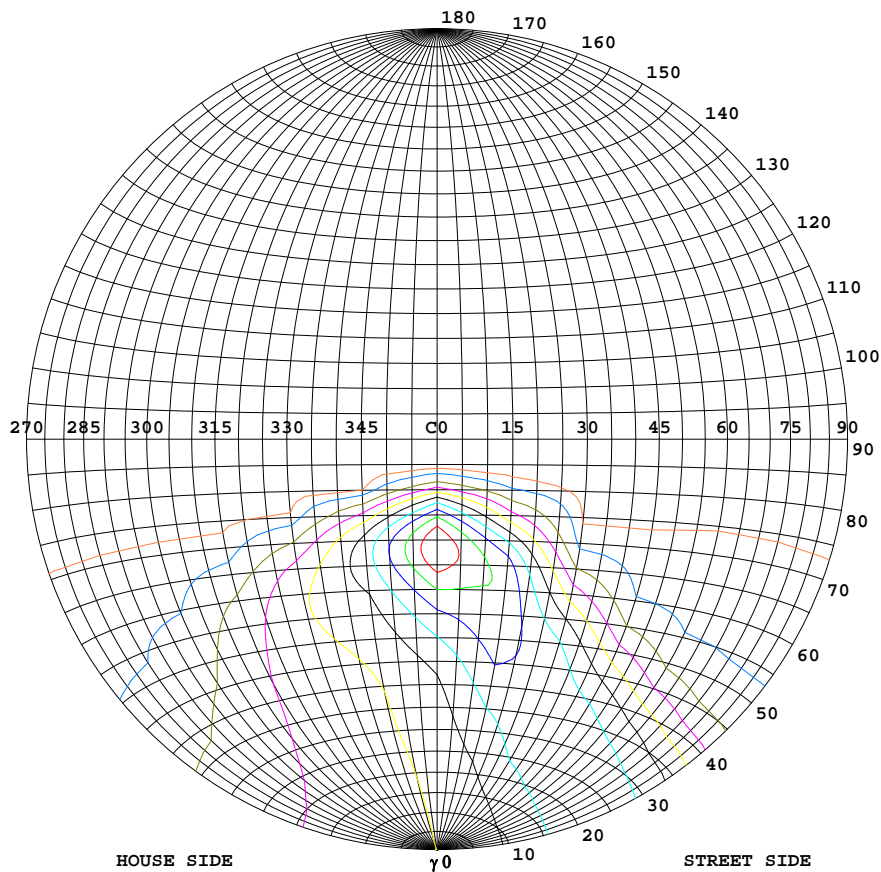


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018

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.:street light	DIM.: 385*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*296 mm	Shielding Angle:



Classification:

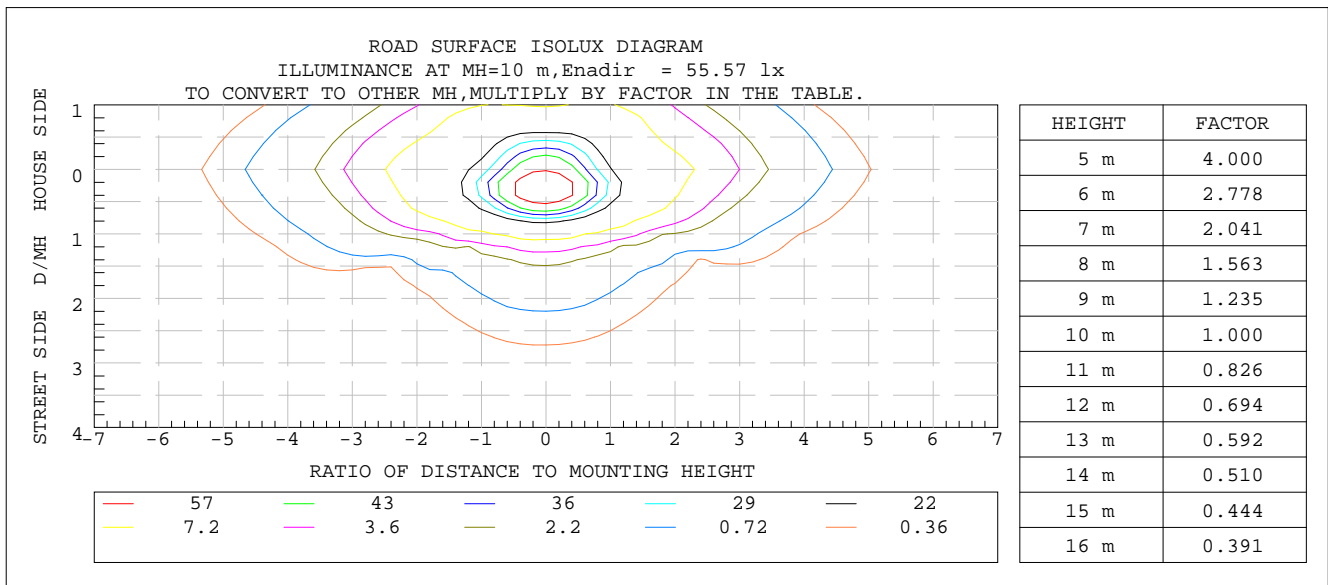
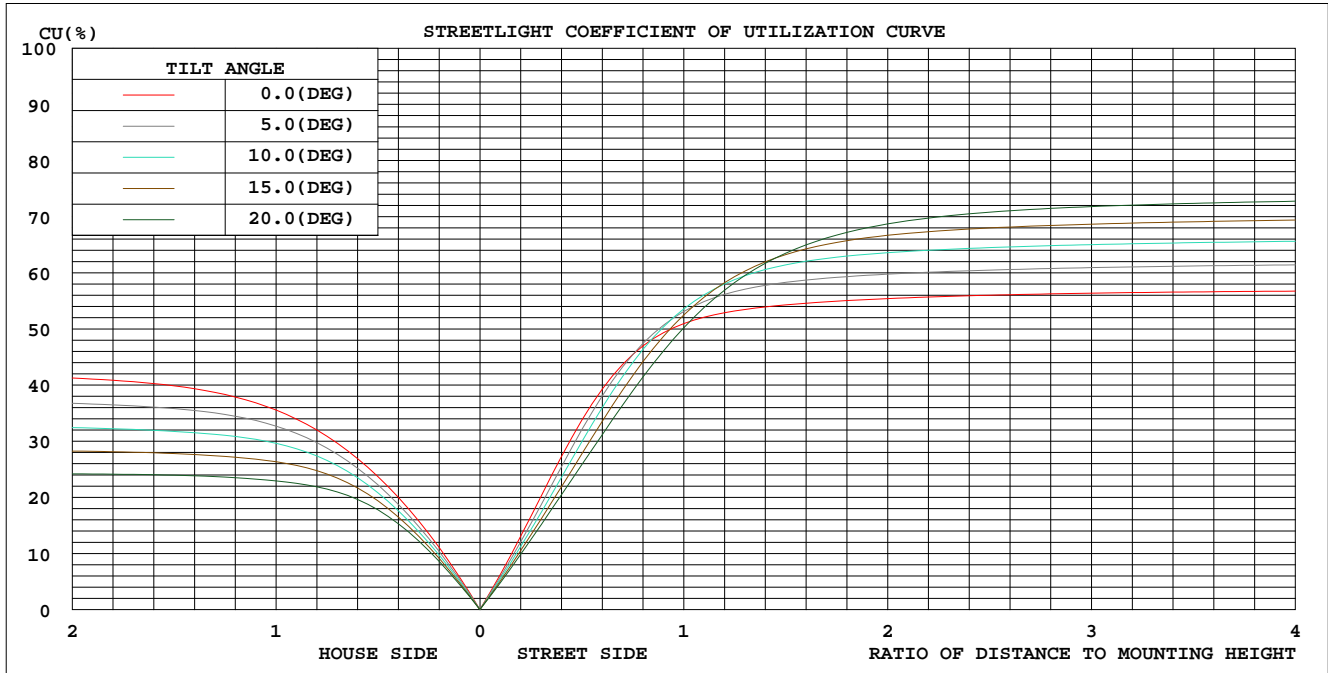
IES:Type I - Medium
 CIE:Narrow - Intermediate
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:215.5cd/klm
 Max.At90:0cd/klm
 Max.80-90:215.5cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	13872
90%	12485
80%	11098
70%	9711
60%	8323
50%	6936
40%	5549
30%	4162
20%	2774
10%	1387
5%	694

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

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:1M 3030	WEIGHT:5.2kg
SPEC.:street light	DIM.: 385*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*296 mm	Shielding Angle:

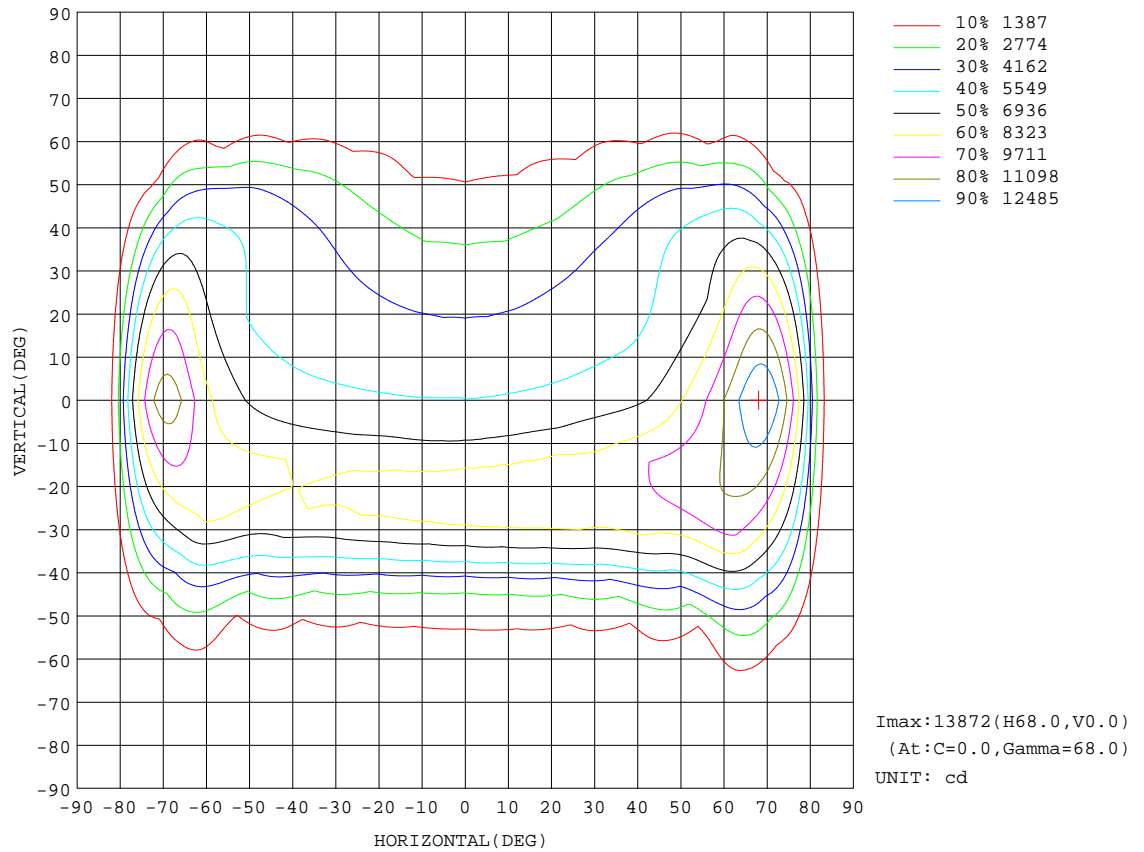
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	571.8	663.2	711.9	647.9	560.0	502.7	479.7	503.3	0- 10	542.5	542.5	2.42,2.42
20	593.5	838.8	887.0	804.7	570.1	456.2	409.5	463.3	10- 20	1721	2263	10.1,10.1
30	624.7	932.5	806.0	874.1	583.0	429.8	330.0	440.9	20- 30	2939	5202	23.2,23.2
40	675.3	813.3	448.3	740.8	607.1	415.9	234.7	422.2	30- 40	3736	8939	39.9,39.9
50	827.7	471.9	166.3	414.3	681.4	408.9	141.8	394.6	40- 50	3861	12799	57.1,57.1
60	1112	152.2	114.0	138.9	870.4	326.0	110.6	298.8	50- 60	3750	16550	73.9,73.9
70	1370	80.50	86.39	77.21	1182	89.87	73.75	92.33	60- 70	3530	20079	89.6,89.6
80	482.8	42.04	34.51	38.72	324.3	35.80	15.68	34.72	70- 80	2034	22113	98.7,98.7
90	0	0	0	0	0	0	0	0	80- 90	287.2	22400	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

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

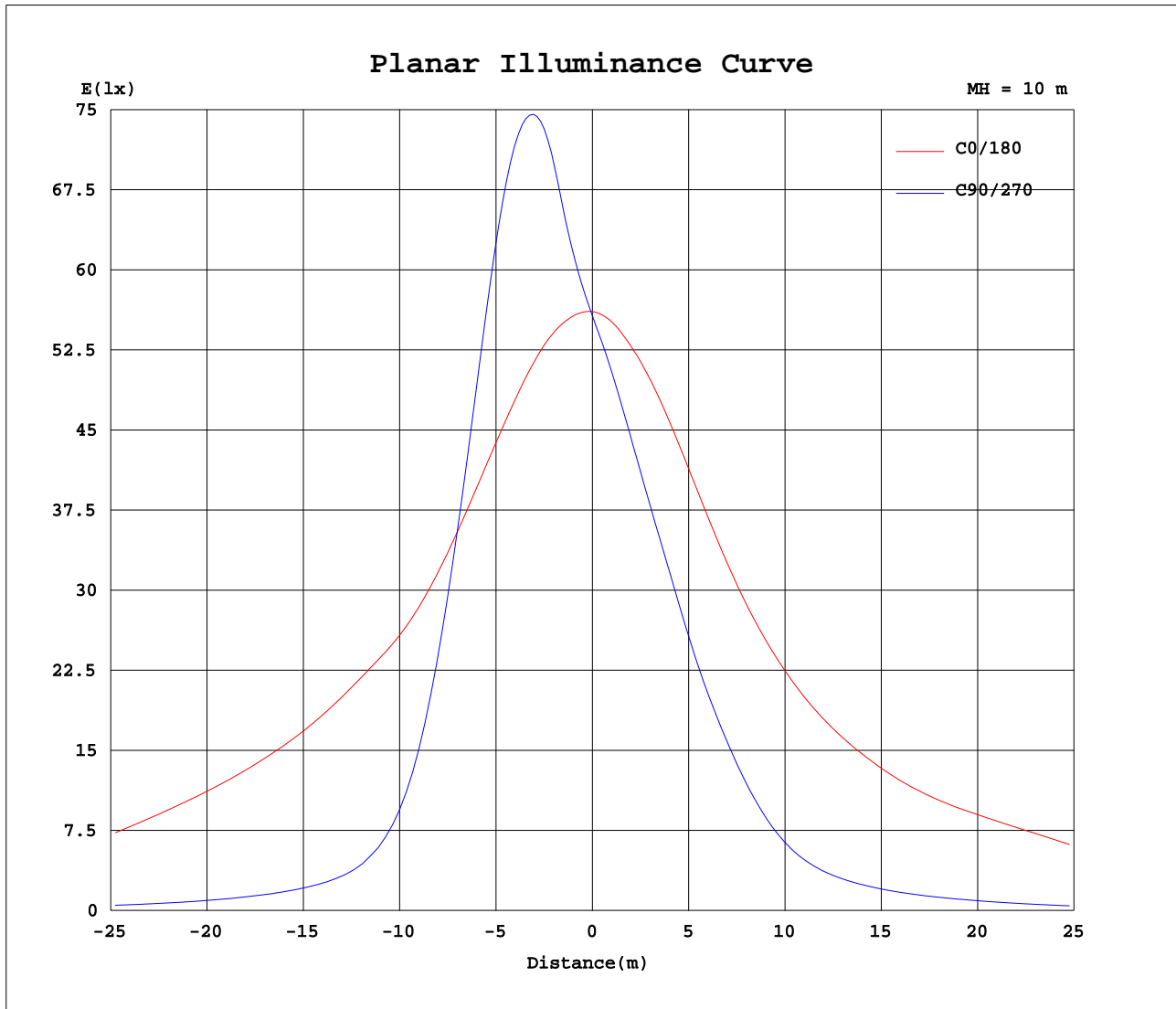
NAME: LED Tunnel Lights	TYPE:1M 3030	WEIGHT:5.2kg
SPEC.:street light	DIM.: 385*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*296 mm	Shielding Angle:



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

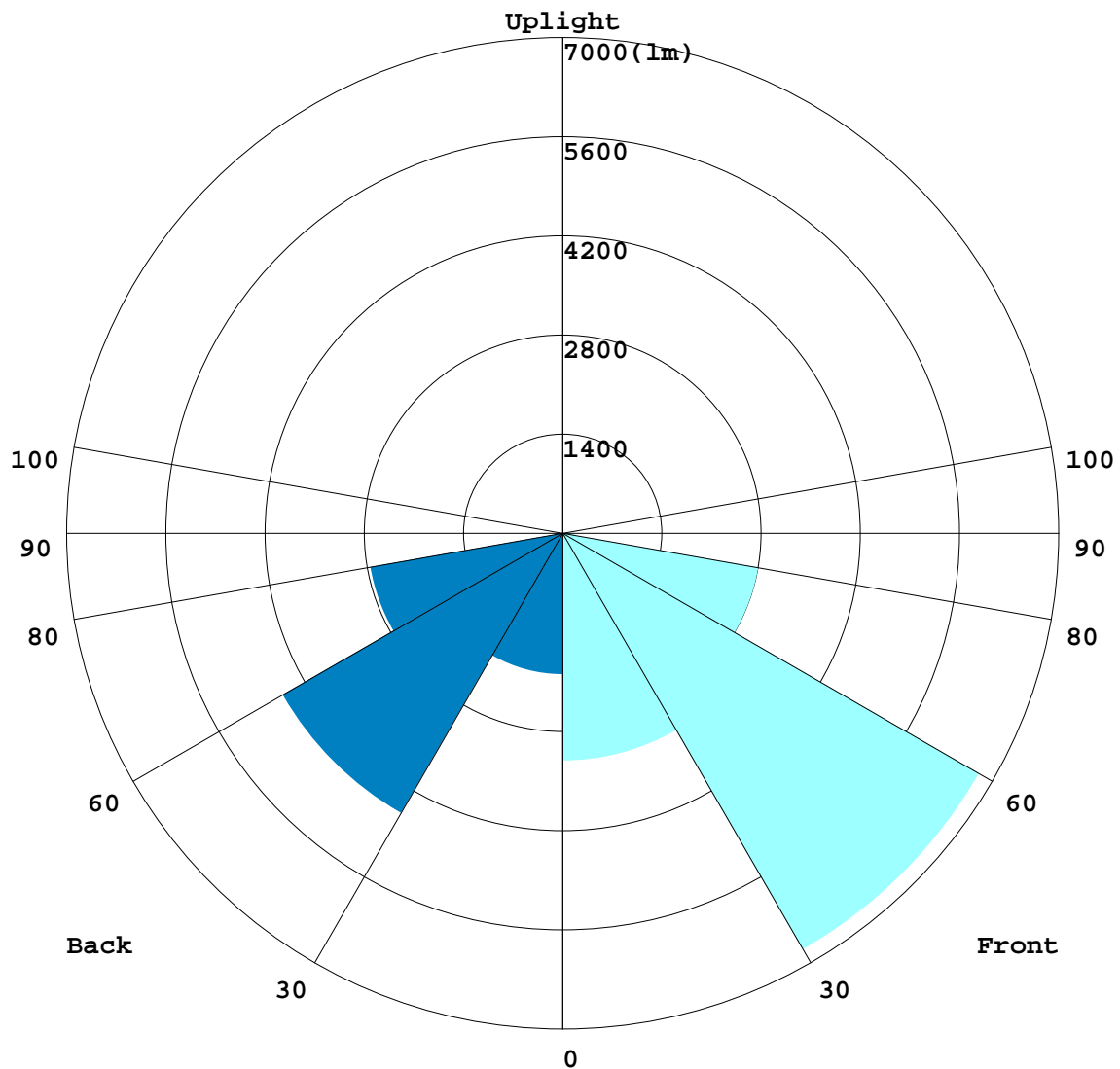


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2018

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:1M 3030	WEIGHT:5.2kg
SPEC.:street light	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.:street light	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)	3211.5	14.3
FM - Front-Medium(30-60)	6784	30.3
FH - Front-High(60-80)	2807.3	12.5
FVH - Front-Very High(80-90)	174.44	0.8
Total Forward Light	12977	57.9

BL - Back-Low(0-30)	1990.8	8.9
BM - Back-Medium(30-60)	4563.5	20.4
BH - Back-High(60-80)	2756	12.3
BVH - Back-Very High(80-90)	112.75	0.5
Total Back Light	9423.1	42.1

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	9423.1	0	9423.1
Street Side	12977	0	12977

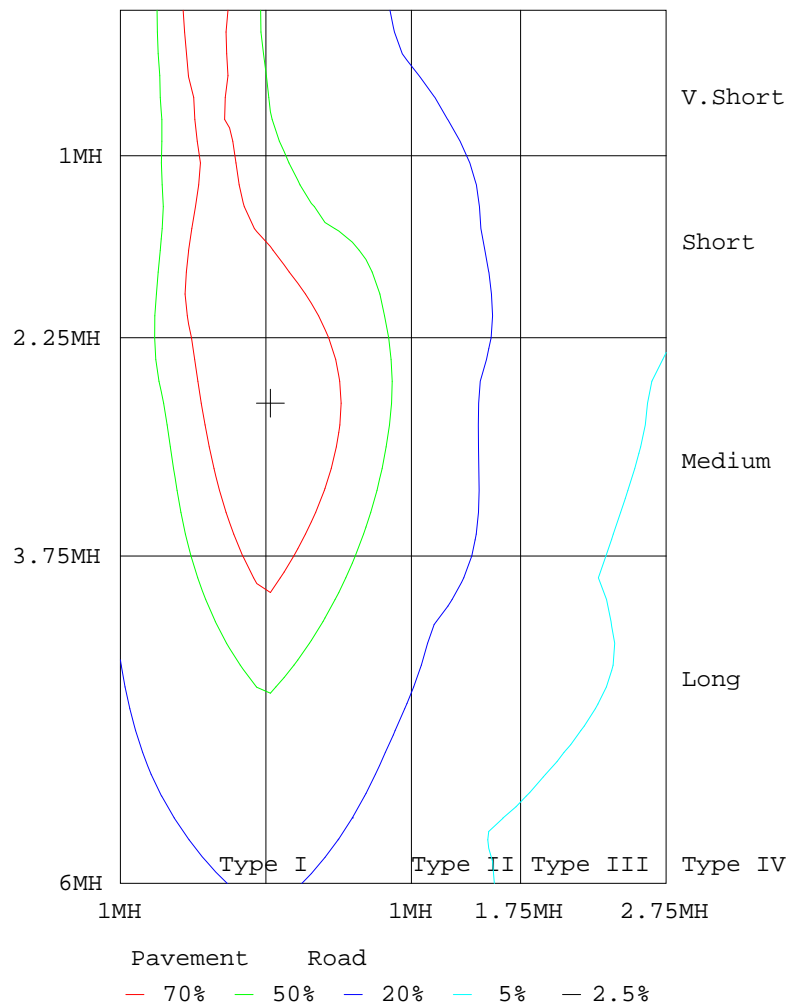
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018

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.:street light	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

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:

```