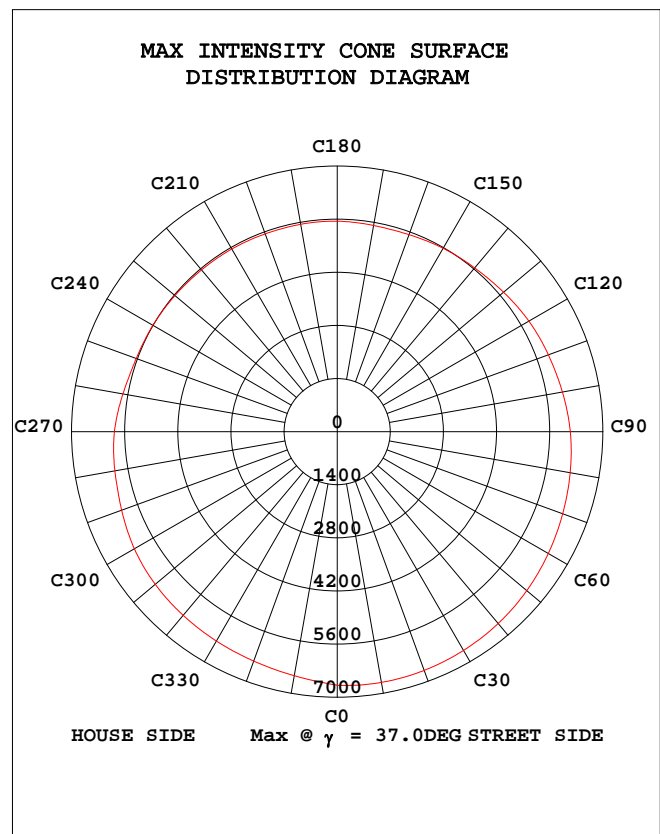
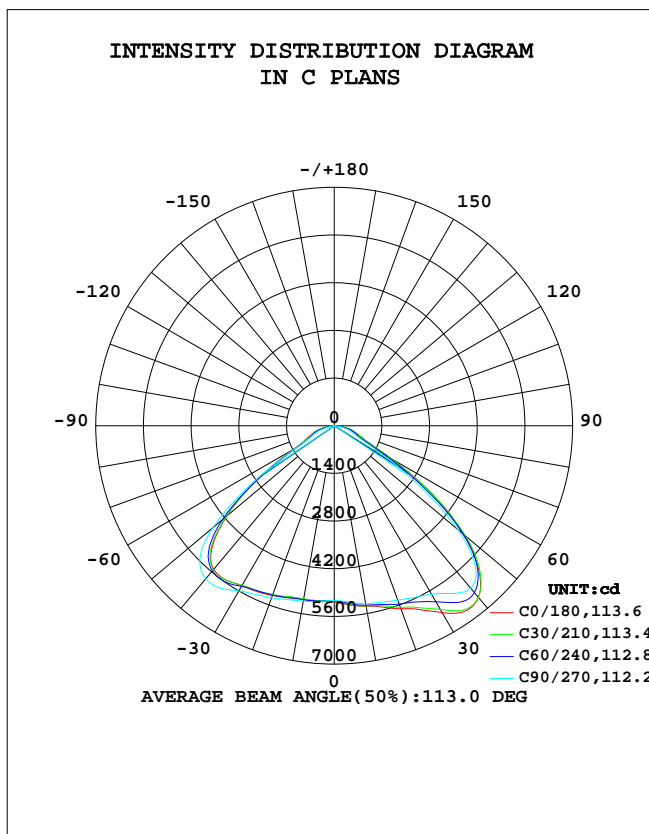


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: LED Tunnel Lights	TYPE:5S 3030	WEIGHT:4.4kg
SPEC.:	DIM.: 312*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*222 mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 140.00 lm/W			
MODEL	ZGSM-SDD120H4	I _{max} (cd)	6707	η street_up(%)	0.0
NOMINAL POWER(W)	120	LOR(%)	100.0	η street_down(%)	51.1
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	16800	η house_up(%)	0.0
NOMINAL FLUX(lm)	16800	MAXIMUM @(C,γ)	15,37.0	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	21.377

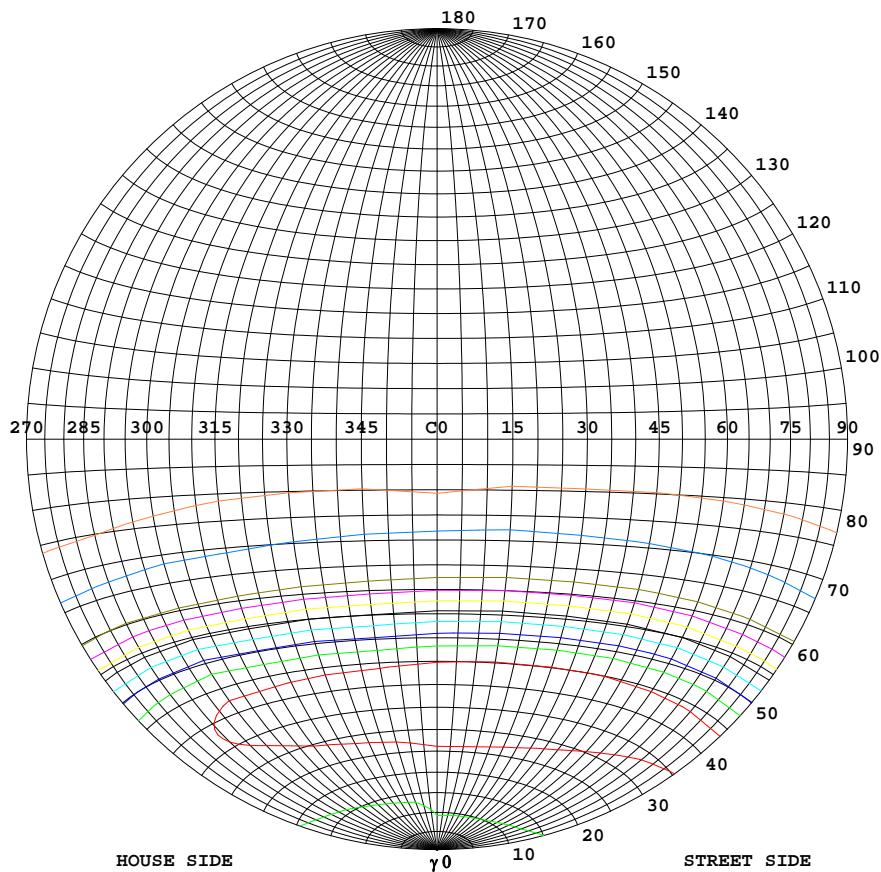


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018

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 3030	WEIGHT:4.4kg
SPEC.:	DIM.: 312*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*222 mm	Shielding Angle:



Classification:

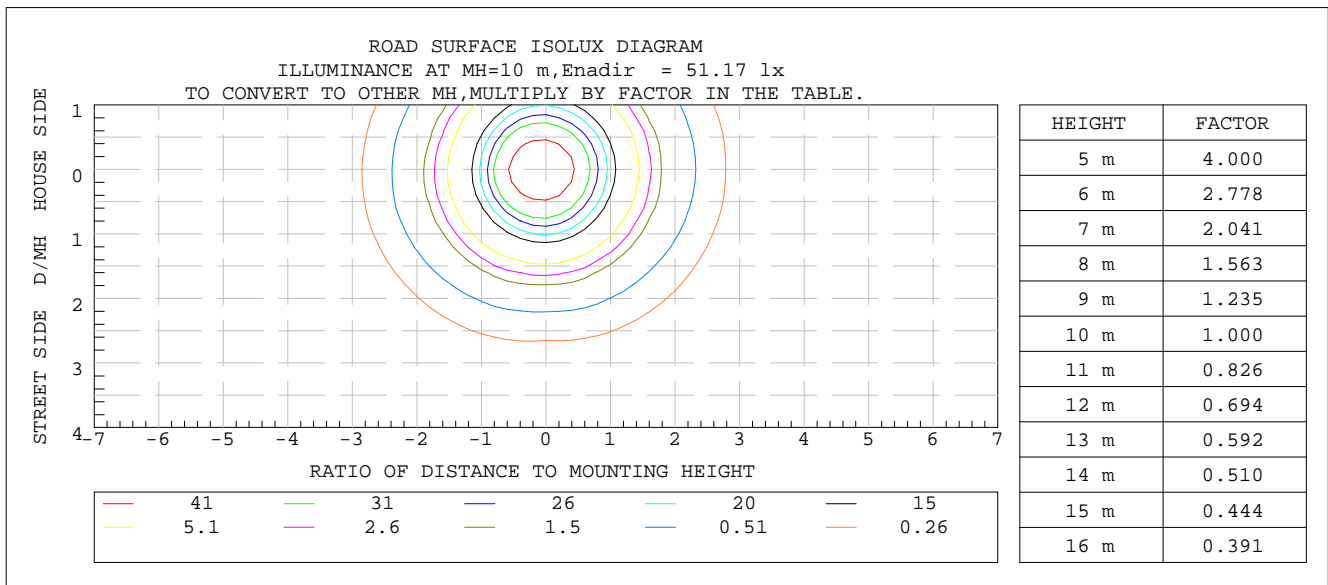
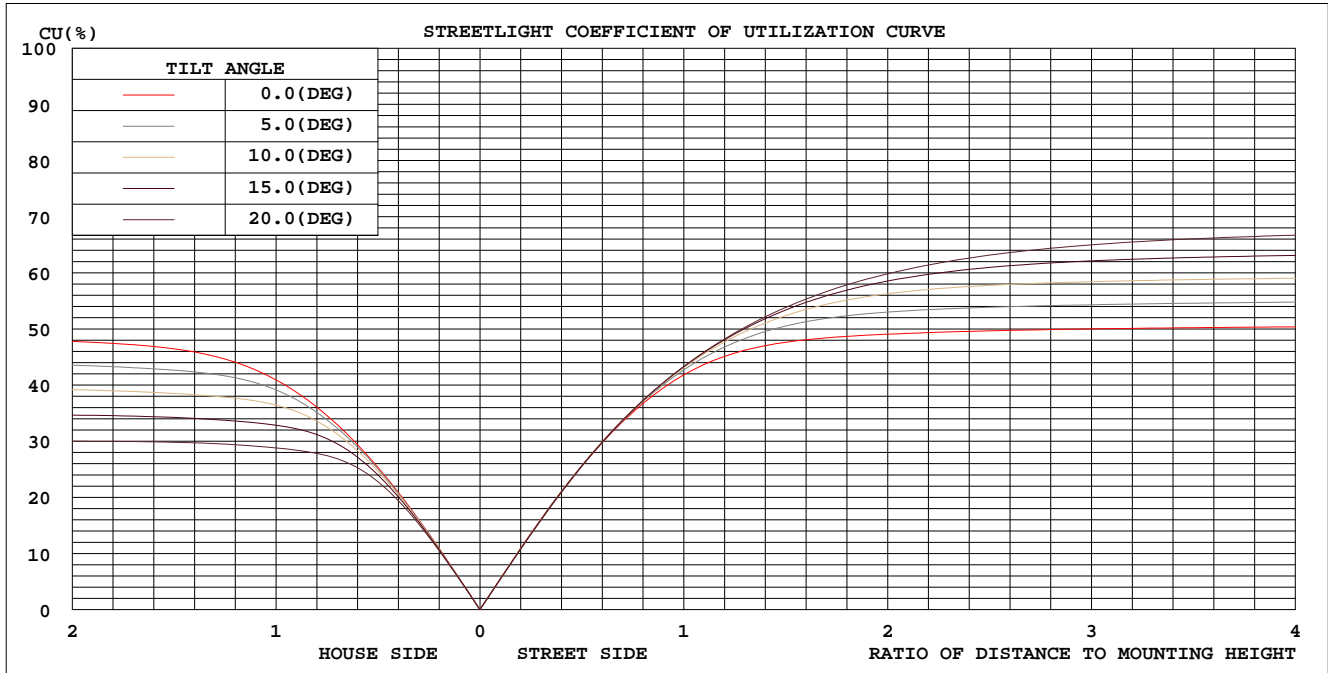
IES:Type V - Very Short
 CIE:Narrow - Short
 IES:Full cut-off
 CIE:Full cut-off
 Max.At80:22.30cd/klm
 Max.At90:0cd/klm
 Max.80-90:22.30cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6707
90%	6036
80%	5366
70%	4695
60%	4024
50%	3353
40%	2683
30%	2012
20%	1341
10%	671
5%	335

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 3030	WEIGHT:4.4kg
SPEC.:	DIM.: 312*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*222 mm	Shielding Angle:

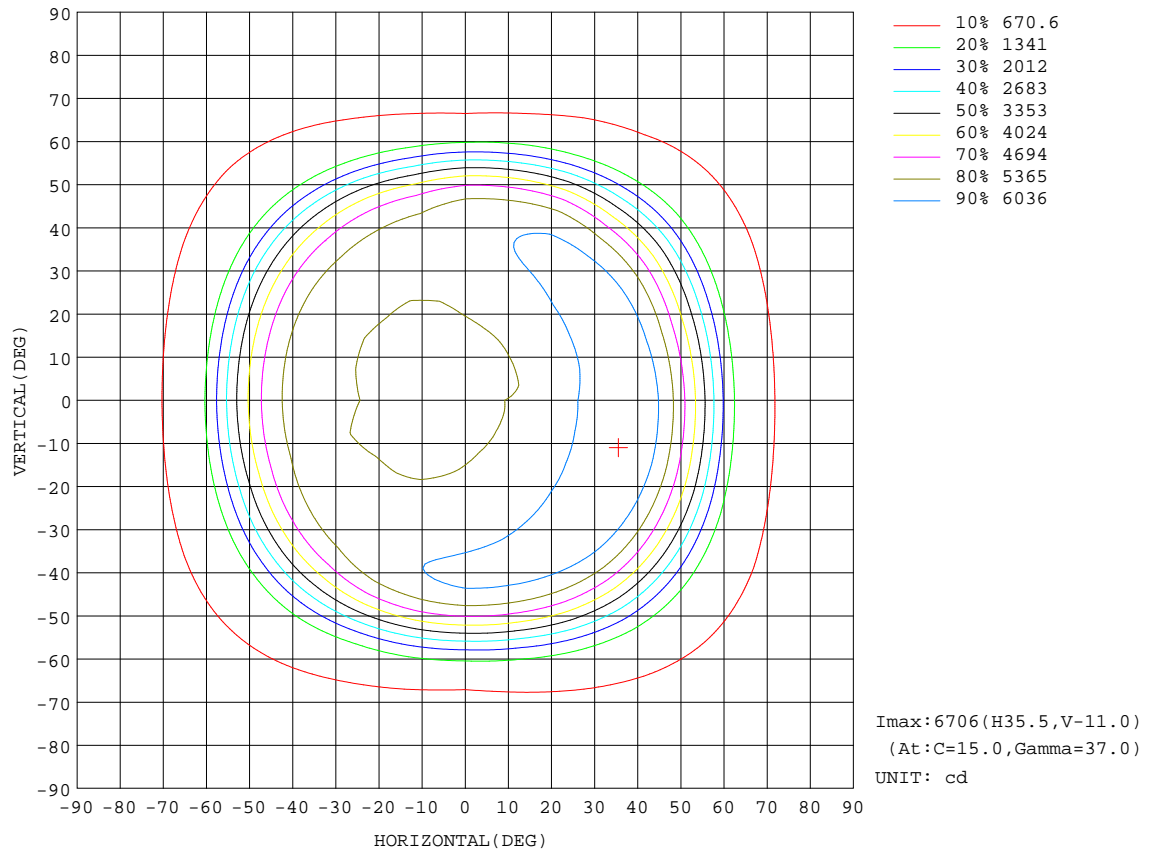
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	5378	5364	5305	5186	5174	5171	5233	5280	0- 10	497.6	497.6	2.96,2.96
20	5718	5625	5452	5313	5304	5277	5374	5537	10- 20	1515	2013	12,12
30	6334	6125	5712	5497	5425	5434	5600	6058	20- 30	2588	4601	27.4,27.4
40	6584	6508	6227	5661	5506	5521	5865	6223	30- 40	3740	8341	49.7,49.7
50	4935	5026	4728	4221	4105	4172	4649	4740	40- 50	4230	12571	74.8,74.8
60	1955	1896	1442	1374	1405	1262	1283	1558	50- 60	2704	15275	90.9,90.9
70	740.8	699.5	564.1	643.5	682.2	646.7	535.2	643.3	60- 70	912.0	16187	96.4,96.4
80	298.6	345.9	242.9	286.9	256.6	240.4	74.57	269.4	70- 80	490.9	16678	99.3,99.3
90	0	0	0	0	0	0	0	0	80- 90	121.8	16800	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

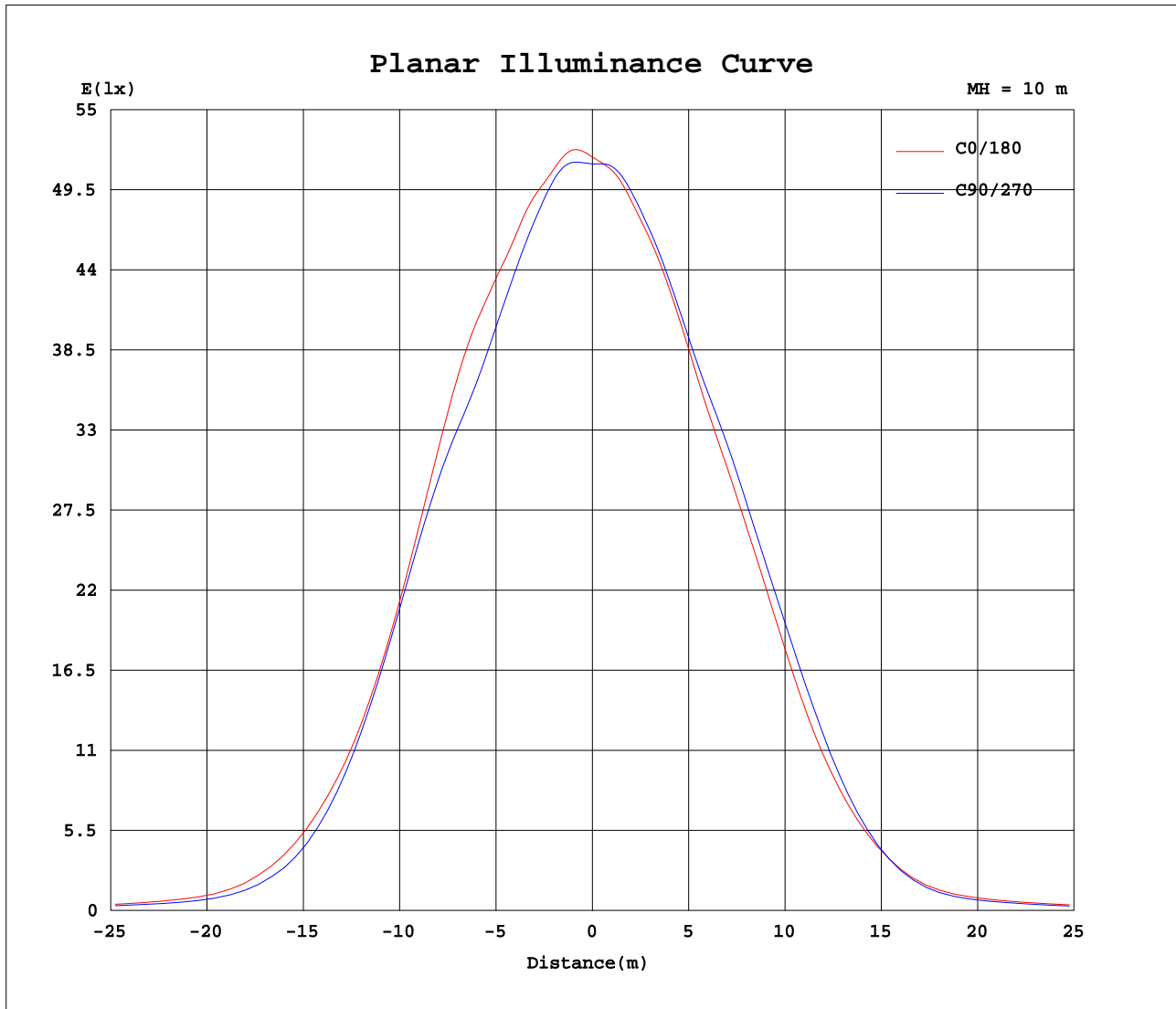
NAME: LED Tunnel Lights	TYPE:5S 3030	WEIGHT:4.4kg
SPEC.:	DIM.: 312*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*222 mm	Shielding Angle:



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



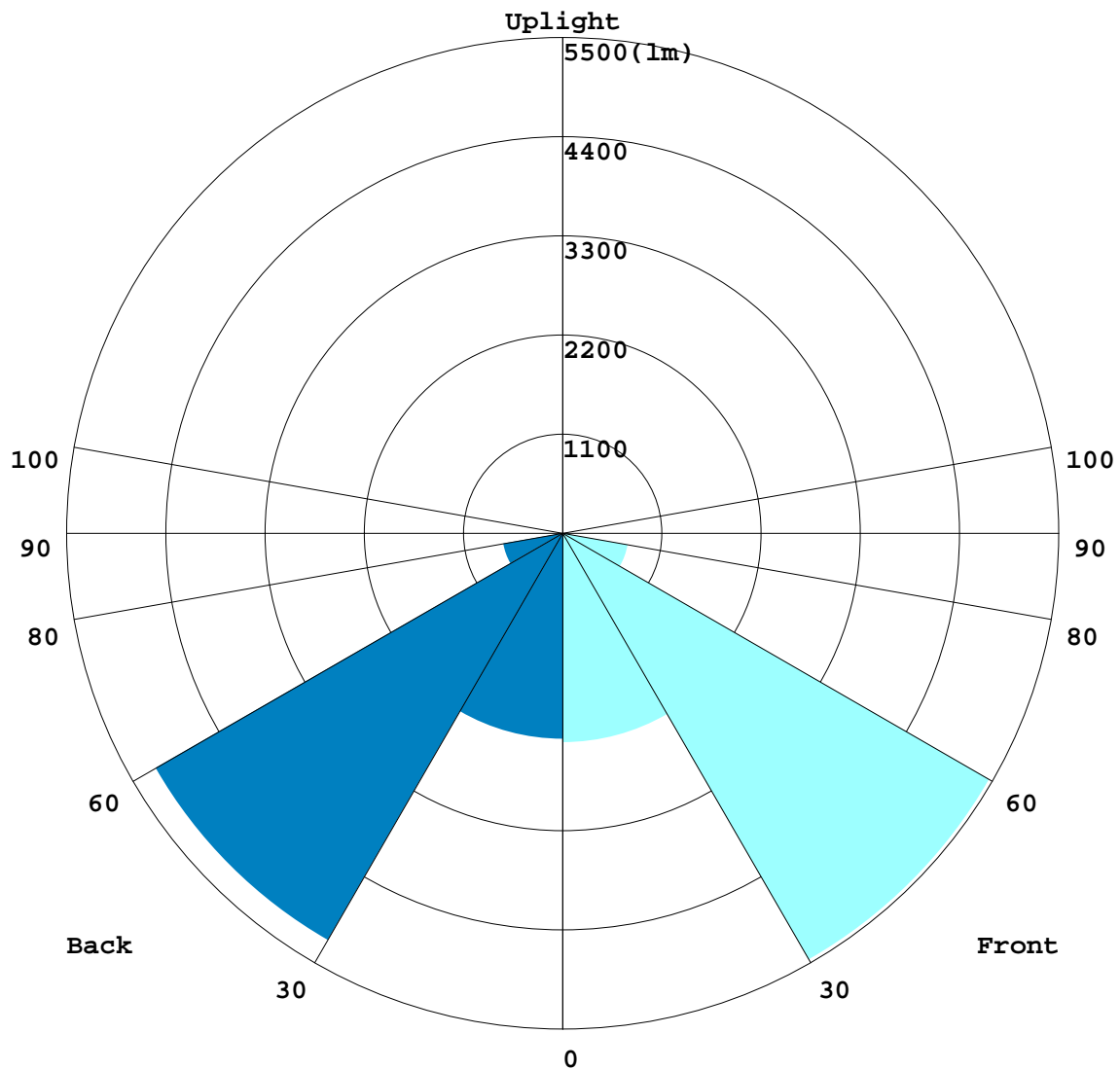
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2018

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 3030	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: 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 3030	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)	2319.8	13.8
FM - Front-Medium(30-60)	5462.4	32.5
FH - Front-High(60-80)	733.79	4.4
FVH - Front-Very High(80-90)	73.292	0.4
Total Forward Light	8589.3	51.1

BL - Back-Low(0-30)	2281.3	13.6
BM - Back-Medium(30-60)	5211.6	31.0
BH - Back-High(60-80)	669.14	4.0
BVH - Back-Very High(80-90)	48.463	0.3
Total Back Light	8210.5	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	B4-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	8210.5	0	8210.5
Street Side	8589.3	0	8589.3

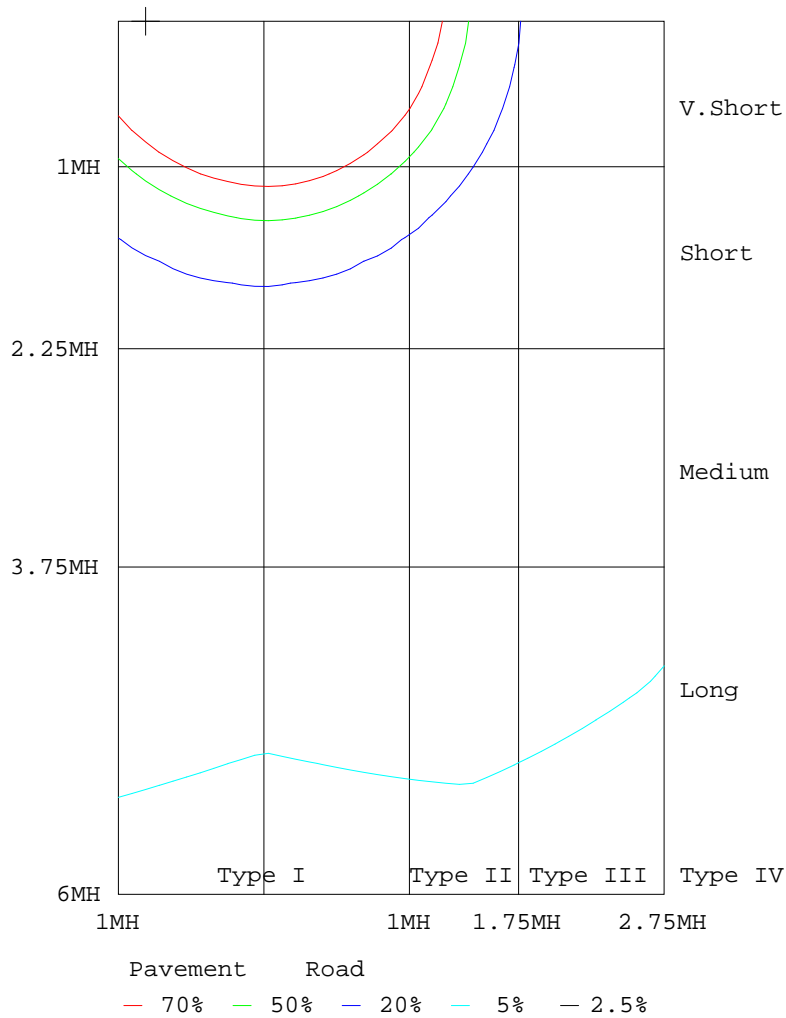
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018

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 3030	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: 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:

```