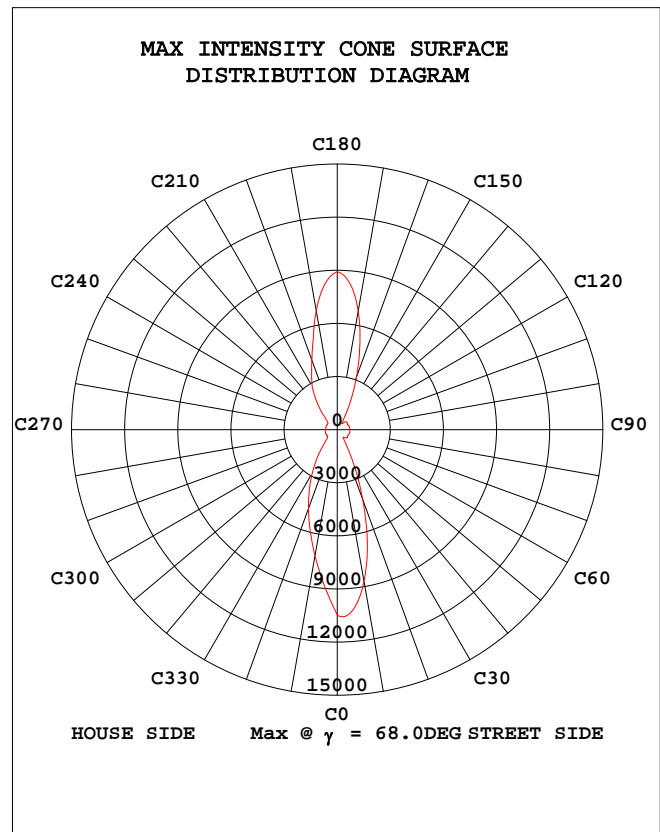
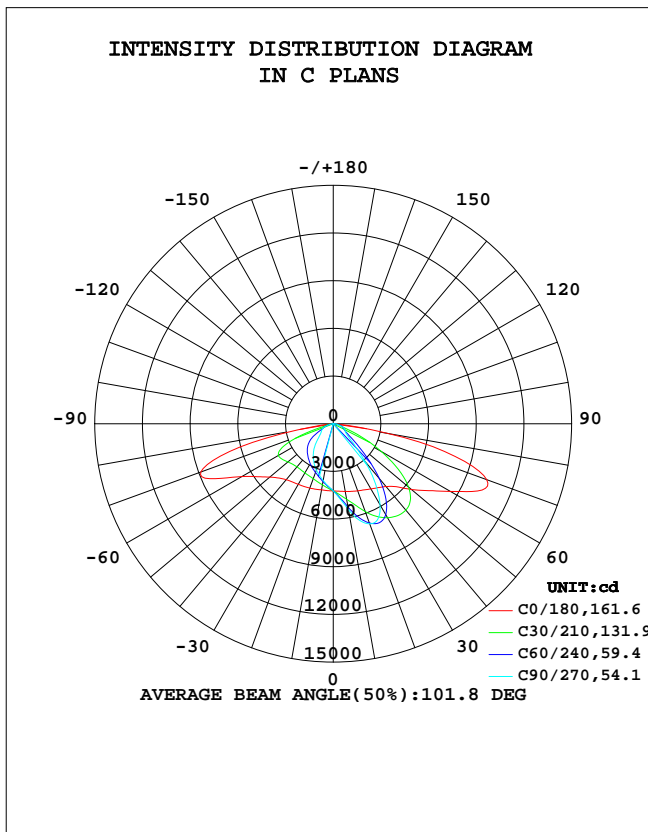


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: LED Tunnel Lights	TYPE:1M 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)	10471	η street_up(%)	0.0
NOMINAL POWER(W)	120	LOR(%)	100.0	η street_down(%)	57.4
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	16800	η house_up(%)	0.0
NOMINAL FLUX(lm)	16800	MAXIMUM @(C,γ)	0,68.0	η house_down(%)	42.6
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	220.1	η down(%)	100.0	SLI	25.358

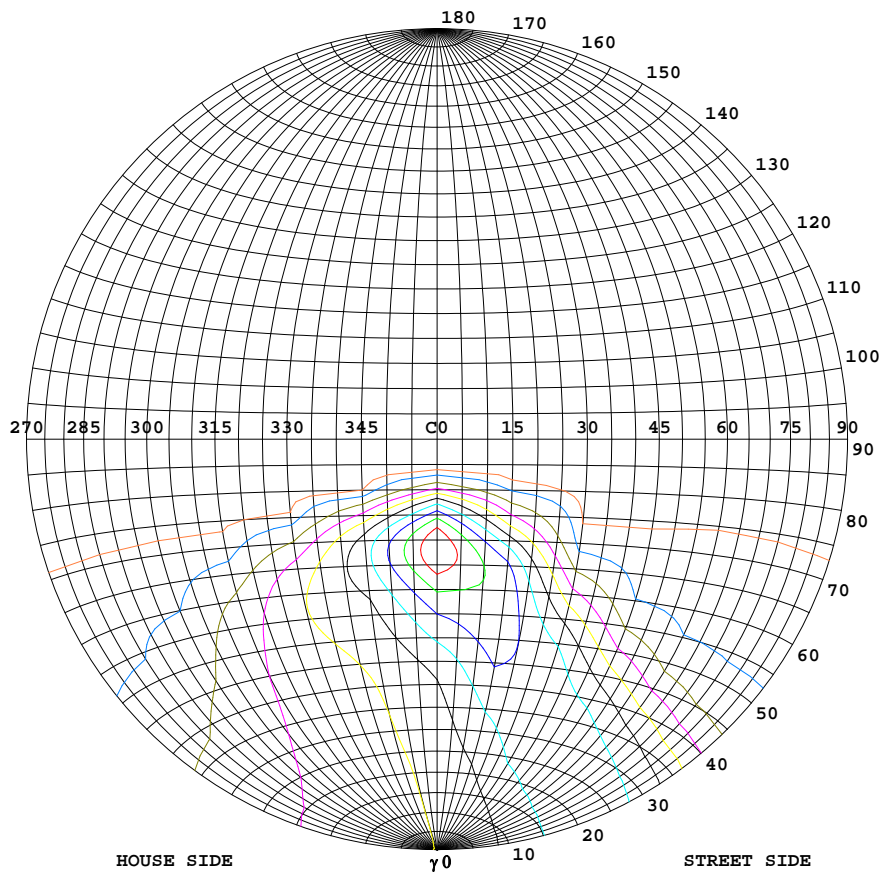


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018

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



Classification:

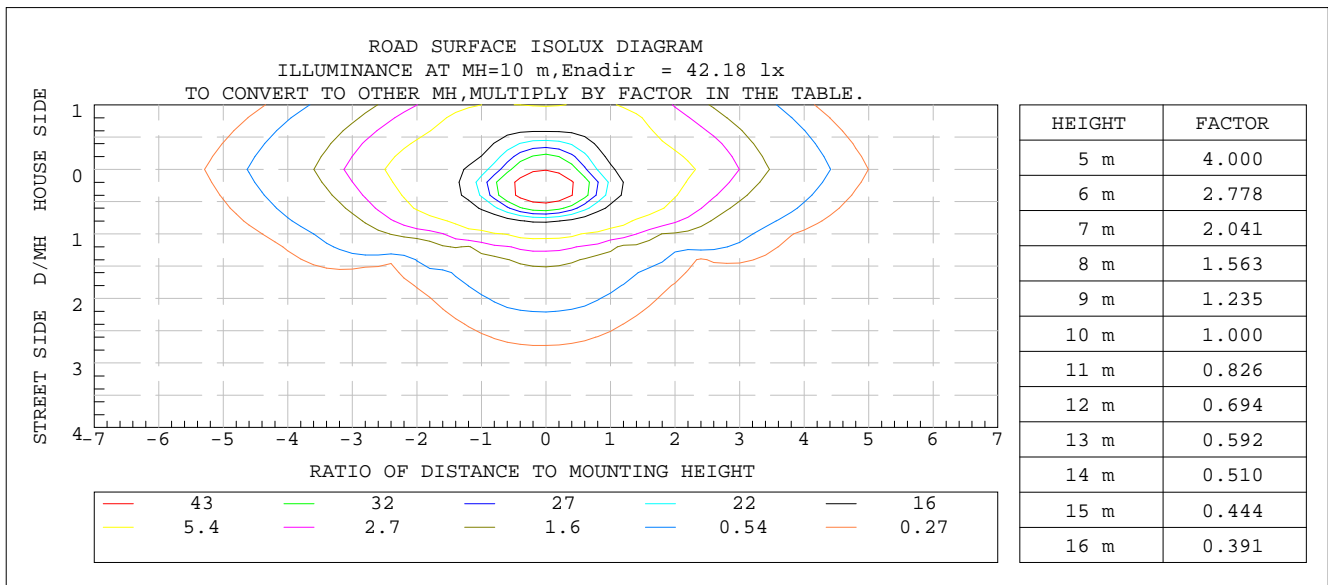
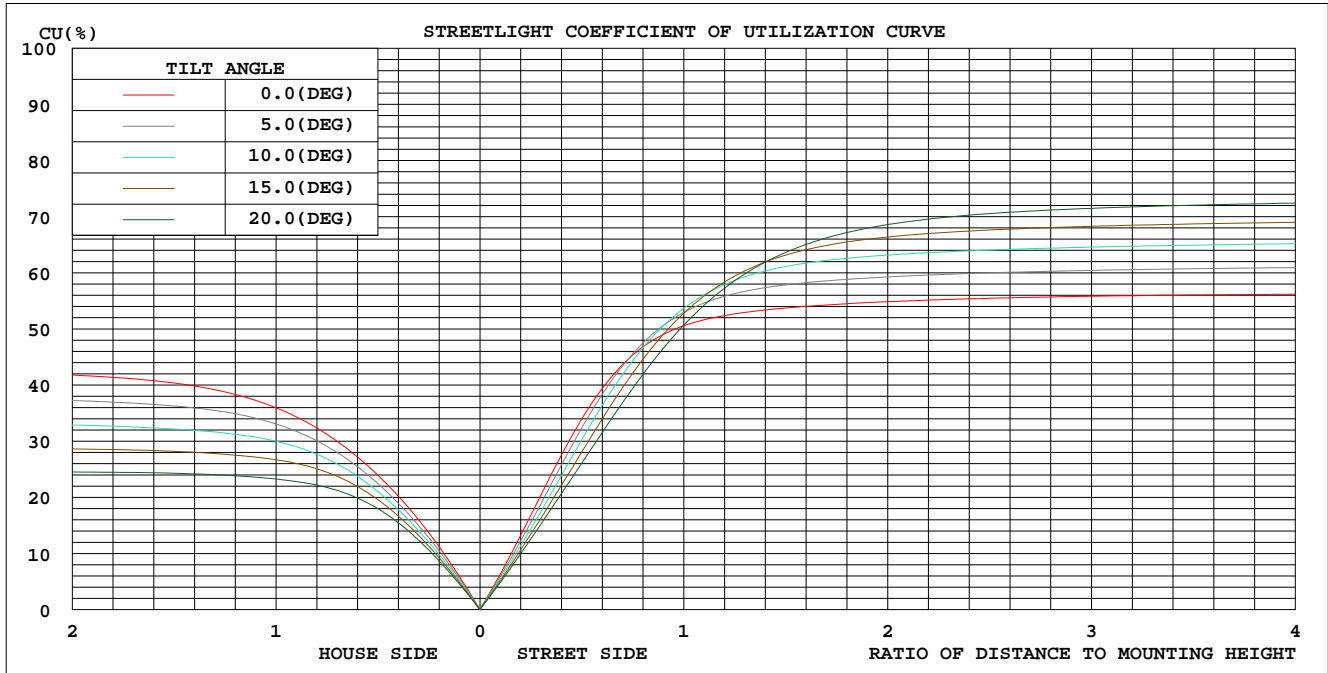
IES:Type I - Medium
 CIE:Narrow - Intermediate
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:204.1cd/klm
 Max.At90:0cd/klm
 Max.80-90:204.1cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	10471
90%	9423
80%	8376
70%	7329
60%	6282
50%	5235
40%	4188
30%	3141
20%	2094
10%	1047
5%	524

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

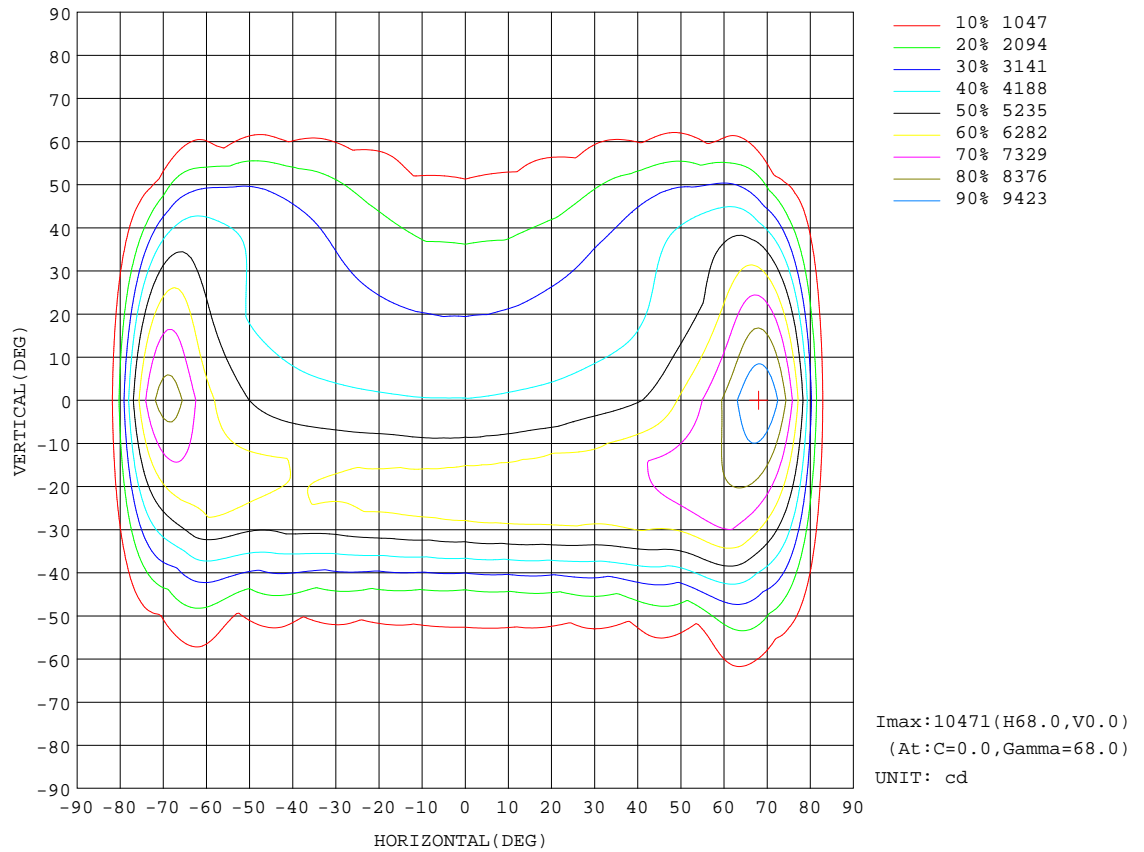
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	432.8	507.2	548.5	497.9	423.1	379.3	363.7	382.1	0- 10	412.6	412.6	2.46,2.46
20	449.3	639.2	670.5	614.9	431.1	344.7	310.9	352.3	10- 20	1310	1723	10.3,10.3
30	473.7	700.3	589.2	656.7	440.5	324.2	250.6	335.2	20- 30	2222	3944	23.5,23.5
40	516.3	596.3	316.3	542.1	460.0	313.4	178.7	320.8	30- 40	2797	6742	40.1,40.1
50	644.2	335.0	120.2	292.1	522.7	309.8	109.6	301.5	40- 50	2881	9623	57.3,57.3
60	852.2	108.8	86.71	98.68	665.9	249.4	84.99	230.7	50- 60	2816	12439	74,74
70	1027	61.33	65.43	58.54	886.8	68.94	56.81	71.16	60- 70	2652	15090	89.8,89.8
80	342.9	32.09	26.43	29.63	231.4	27.06	8.082	26.16	70- 80	1502	16592	98.8,98.8
90	0	0	0	0	0	0	0	0	80- 90	208.5	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: $\times 10$ 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

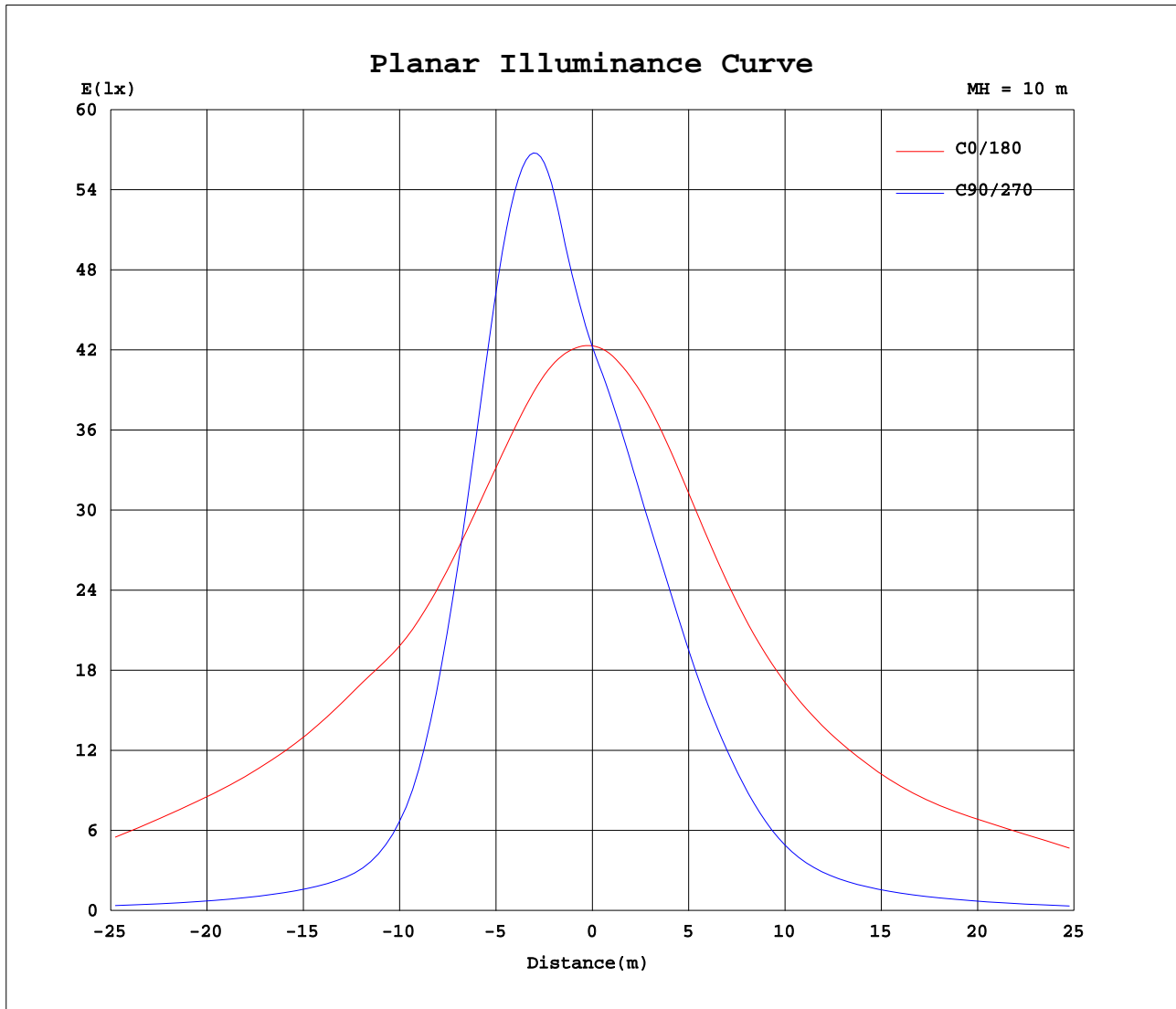
NAME: LED Tunnel Lights	TYPE:1M 3030	WEIGHT:4.4kg
SPEC.:	DIM.: 312*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*222 mm	Shielding Angle:



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

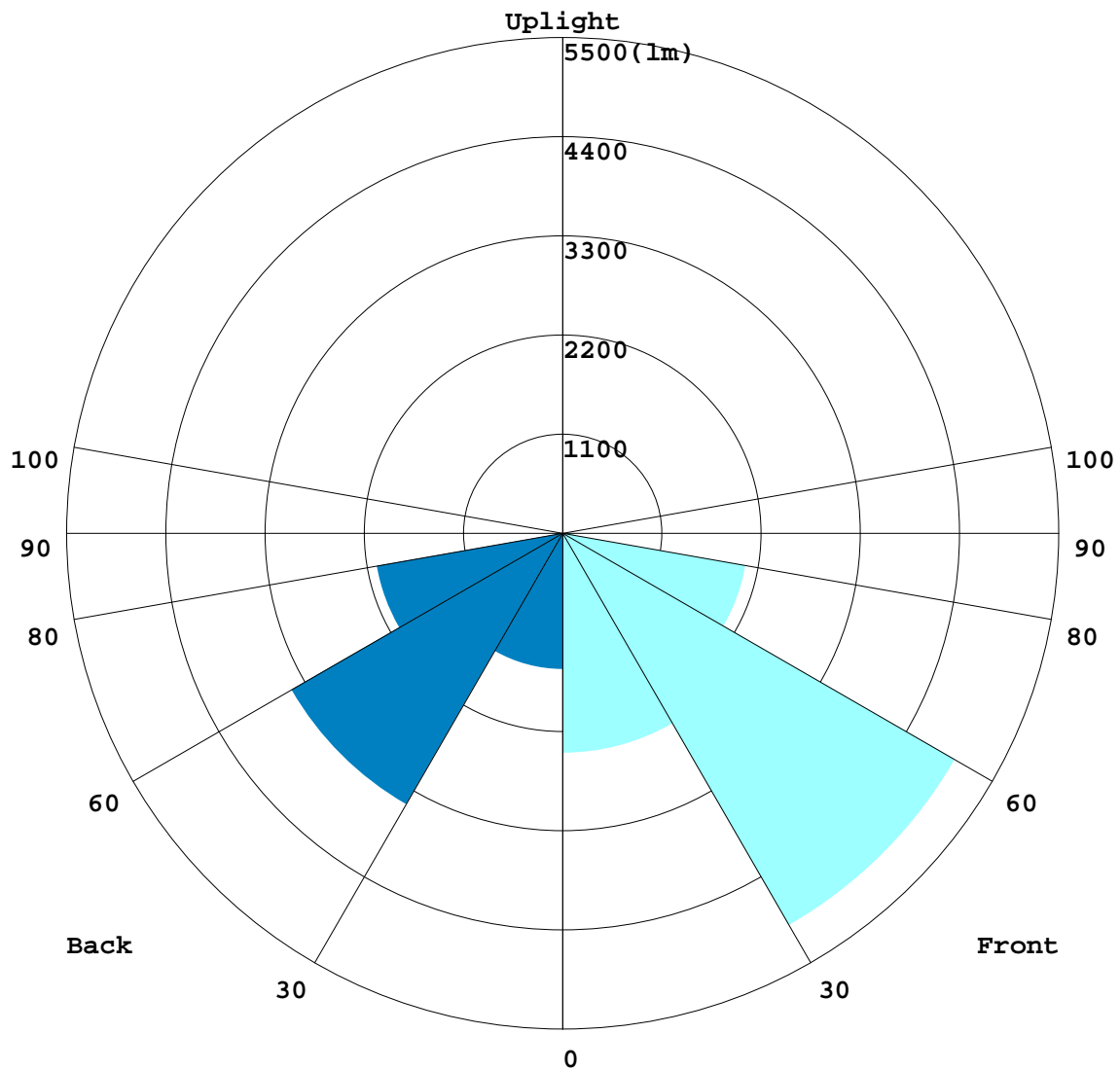


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2018

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:1M 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:1M 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)	2436	14.5
FM - Front-Medium(30-60)	5022.4	29.9
FH - Front-High(60-80)	2060.3	12.3
FVH - Front-Very High(80-90)	127.39	0.8
Total Forward Light	9646.1	57.4

BL - Back-Low(0-30)	1508.3	9.0
BM - Back-Medium(30-60)	3471.9	20.7
BH - Back-High(60-80)	2092.8	12.5
BVH - Back-Very High(80-90)	81.138	0.5
Total Back Light	7154.1	42.6

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-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7154.1	0	7154.1
Street Side	9646.1	0	9646.1

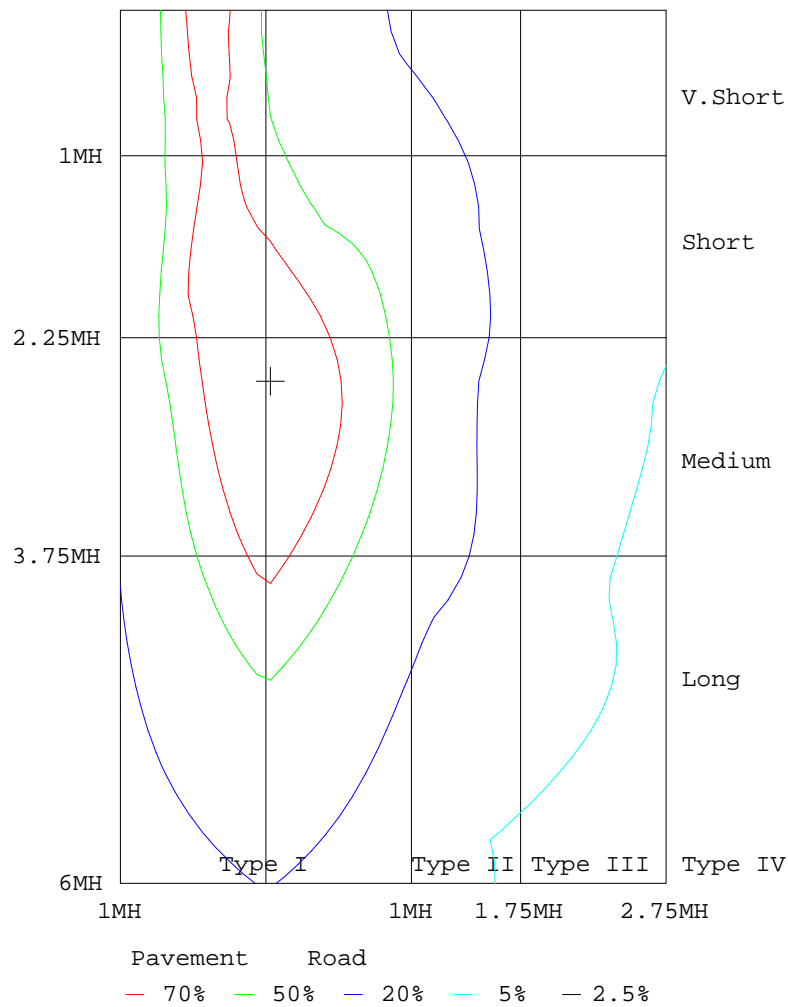
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018

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: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:

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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:

```