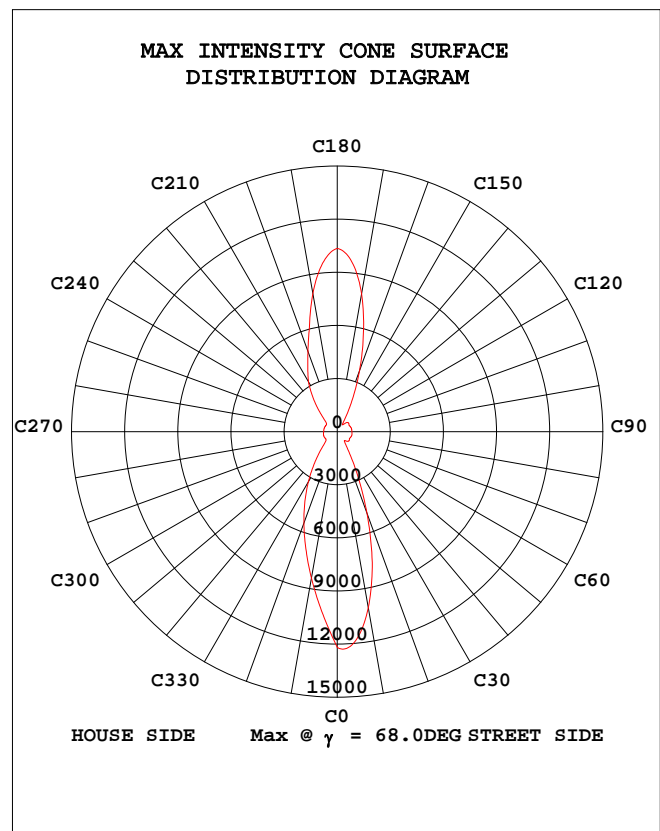
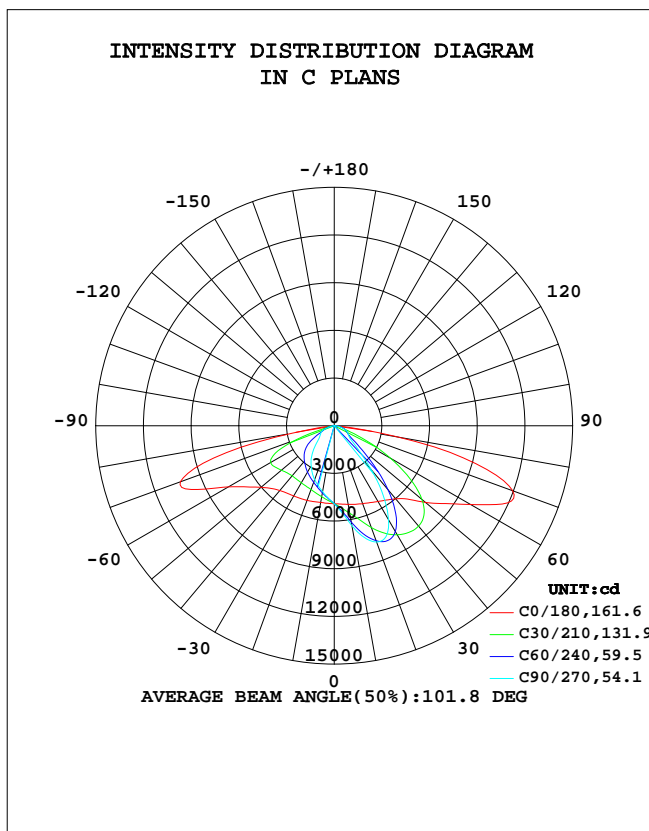


STREETLIGHT PHOTOMETRIC TEST REPORT

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: 130.00 lm/W			
MODEL	ZGSM-SDD150H5	I _{max} (cd)	12180	η street_up(%)	0.0
NOMINAL POWER(W)	150	LOR(%)	100.0	η street_down(%)	57.5
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	19500	η house_up(%)	0.0
NOMINAL FLUX(lm)	19500	MAXIMUM @(C,γ)	0,68.0	η house_down(%)	42.5
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	220.1	η down(%)	100.0	SLI	25.572

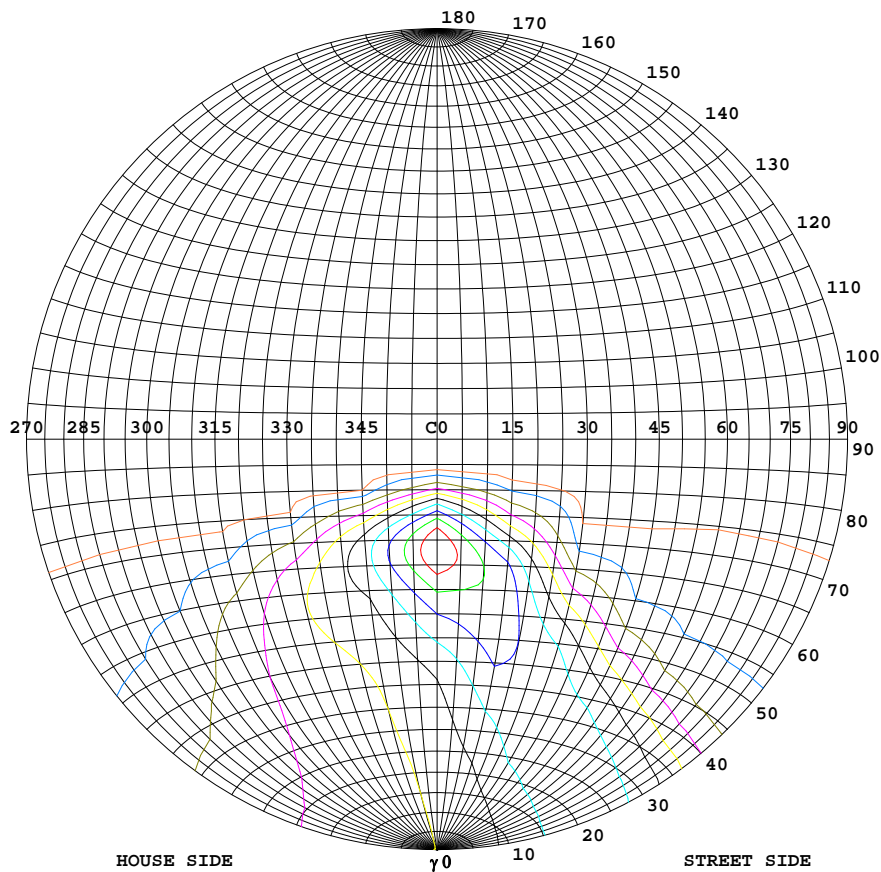


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018

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:

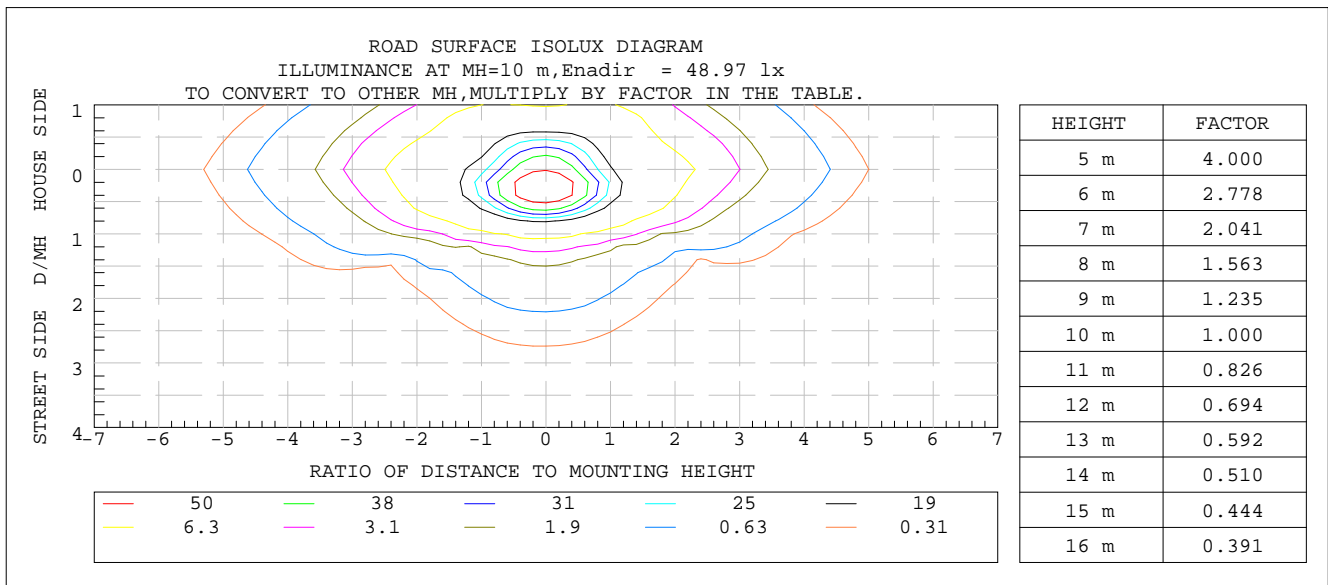
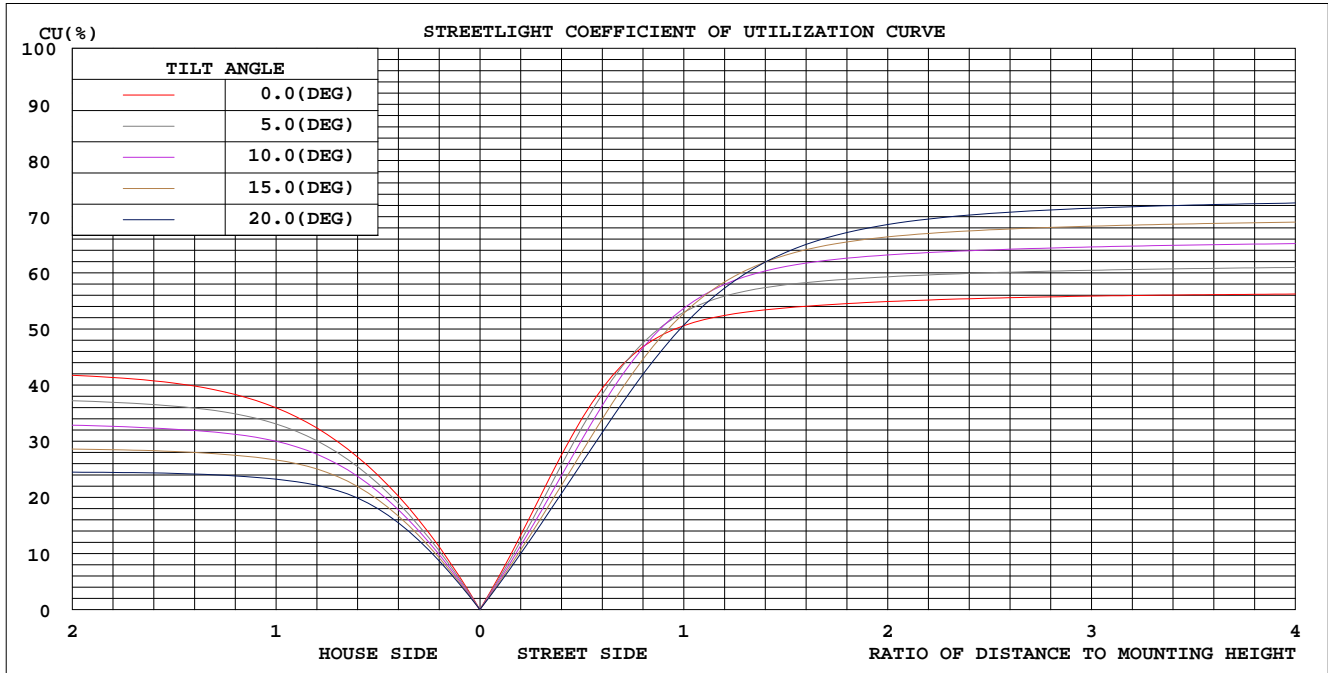
IES:Type I - Medium
 CIE:Narrow - Intermediate
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:204.2cd/klm
 Max.At90:0cd/klm
 Max.80-90:204.2cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	12180
90%	10962
80%	9744
70%	8526
60%	7308
50%	6090
40%	4872
30%	3654
20%	2436
10%	1218
5%	609

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:

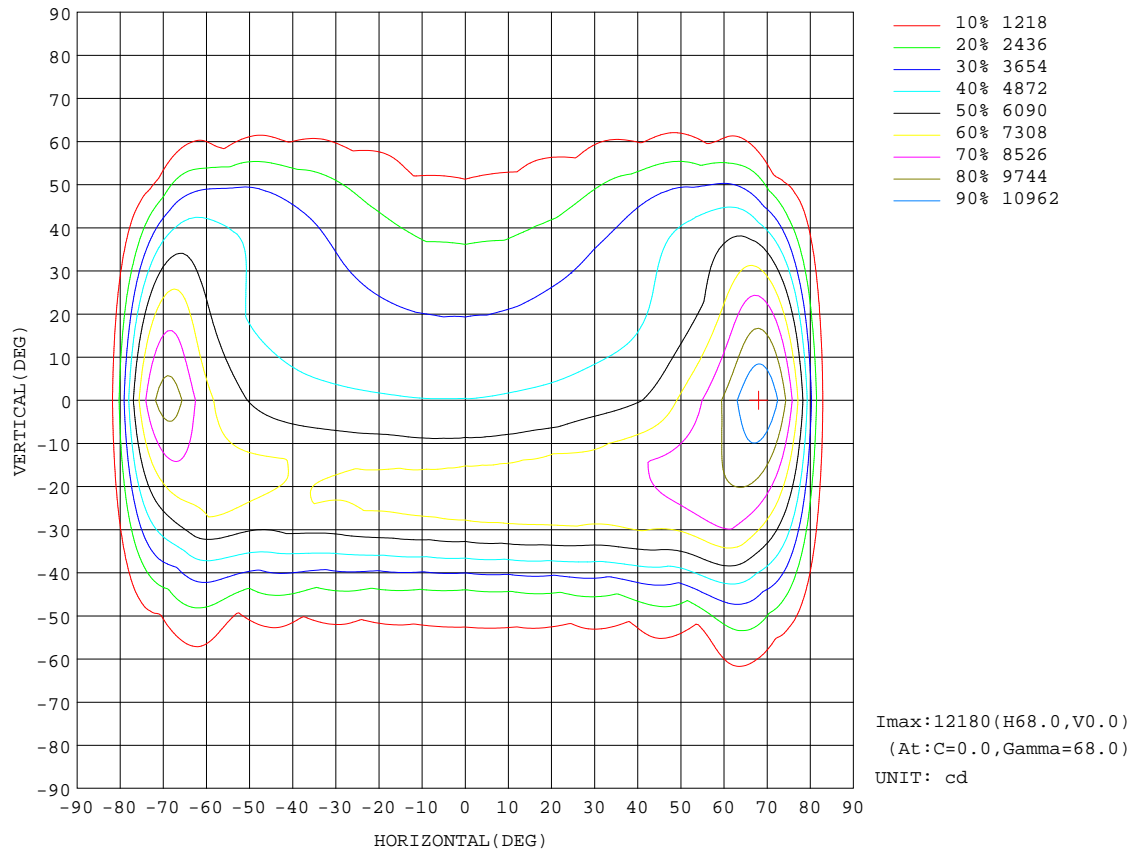
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	502.4	587.7	636.9	577.8	490.7	440.2	422.5	443.5	0- 10	478.8	478.8	2.46,2.46
20	521.7	741.4	778.4	713.7	499.6	400.2	361.2	408.9	10- 20	1520	1999	10.2,10.2
30	550.6	813.6	683.7	761.4	510.2	376.5	291.1	389.2	20- 30	2578	4577	23.5,23.5
40	600.3	694.8	367.3	627.9	532.4	363.9	207.7	372.6	30- 40	3248	7824	40.1,40.1
50	750.6	392.3	139.7	337.8	602.9	359.5	127.4	350.0	40- 50	3346	11171	57.3,57.3
60	991.9	127.6	100.8	114.2	770.7	288.1	98.87	268.0	50- 60	3271	14442	74.1,74.1
70	1194	71.41	76.06	67.98	1030	79.36	66.10	82.84	60- 70	3077	17519	89.8,89.8
80	398.2	37.42	30.72	34.37	267.2	31.46	9.482	30.42	70- 80	1740	19258	98.8,98.8
90	0	0	0	0	0	0	0	0	80- 90	241.8	19500	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:×10cd									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

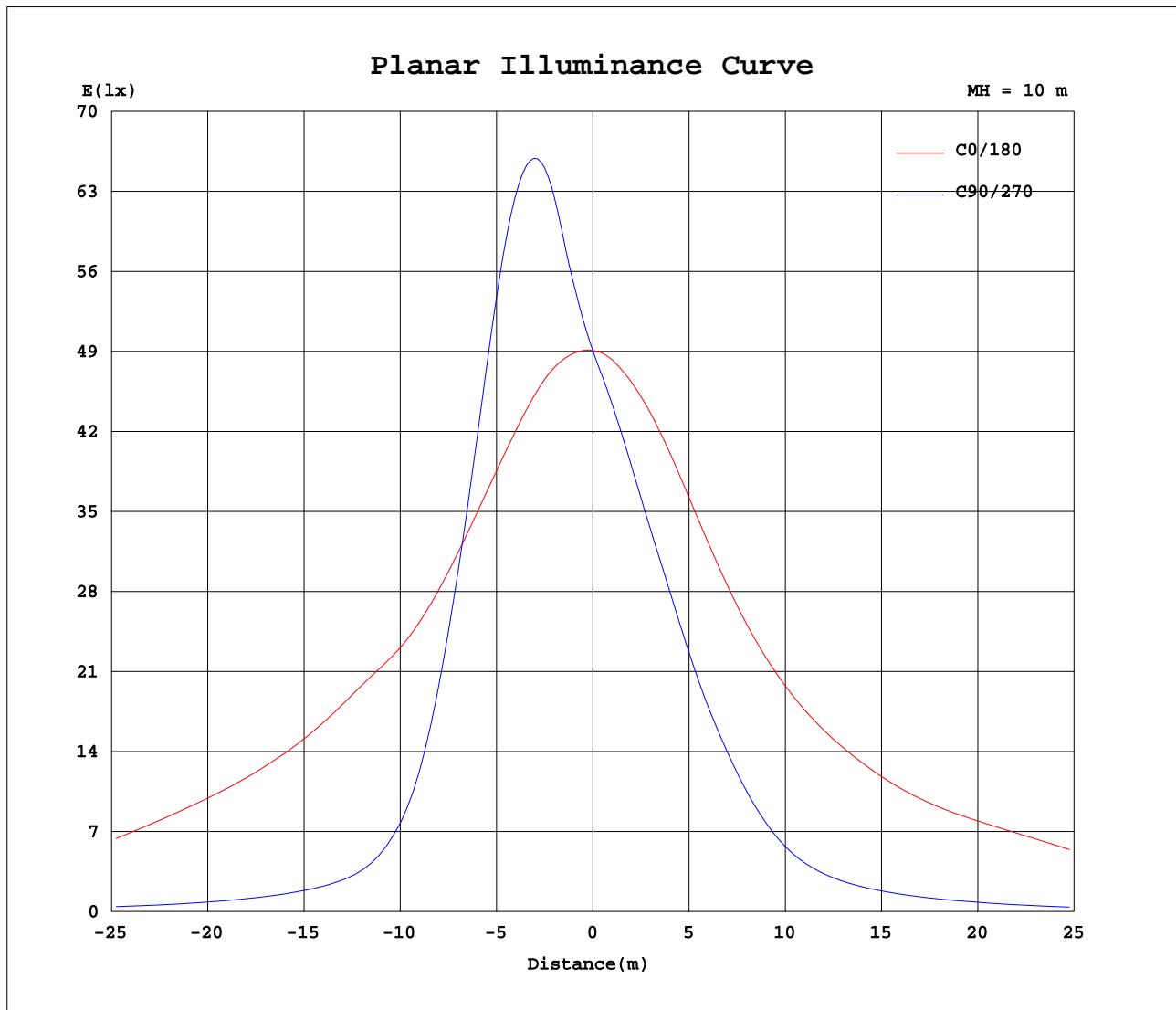
NAME: LED Tunnel Lights	TYPE:1M 3030	WEIGHT:4.4kg
SPEC.:	DIM.: 312*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*222 mm	Shielding Angle:



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

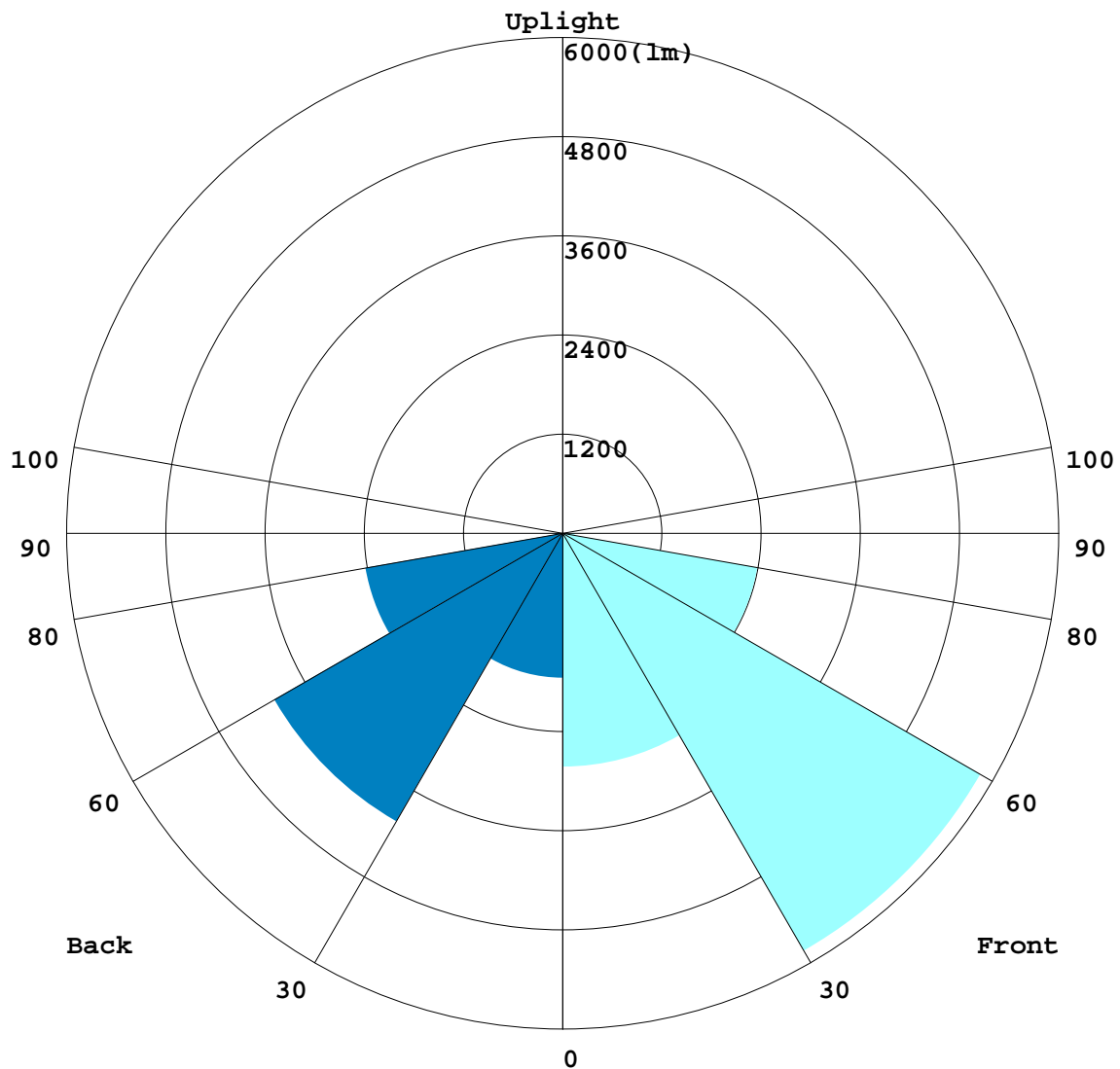


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2018

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)	2826.4	14.5
FM - Front-Medium(30-60)	5836.8	29.9
FH - Front-High(60-80)	2394.1	12.3
FVH - Front-Very High(80-90)	147.93	0.8
Total Forward Light	11205	57.5

BL - Back-Low(0-30)	1750.4	9.0
BM - Back-Medium(30-60)	4028	20.7
BH - Back-High(60-80)	2422.6	12.4
BVH - Back-Very High(80-90)	93.855	0.5
Total Back Light	8295	42.5

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-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	8295	0	8295
Street Side	11205	0	11205

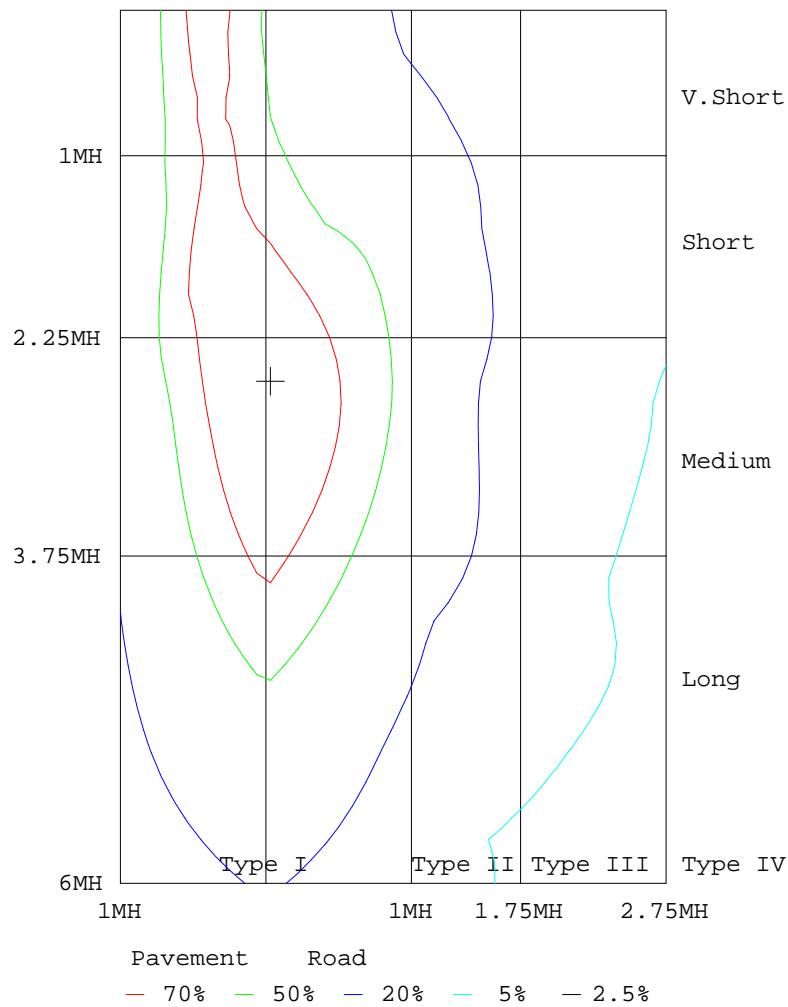
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018

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:

```