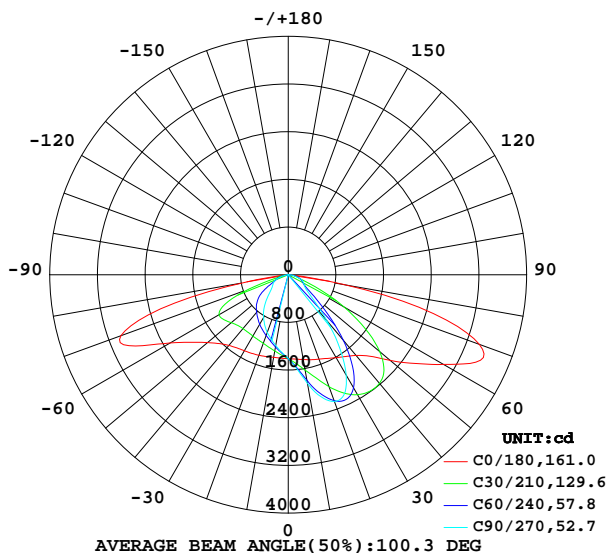
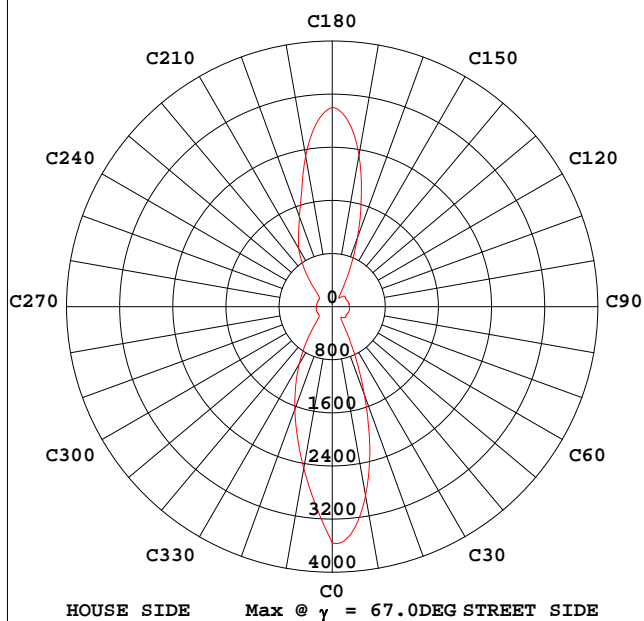


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: LED Tunnel Lights	TYPE:1M 3030	WEIGHT:2.3KG
SPEC.:	DIM.: 166*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*70 mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 140.00 lm/W			
MODEL	ZGSM-SDD40H4	I _{max} (cd)	3556	η street_up(%)	0.0
NOMINAL POWER(W)	40	LOR(%)	100.0	η street_down(%)	57.2
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	5600	η house_up(%)	0.0
NOMINAL FLUX(lm)	5600	MAXIMUM @(C,γ)	0,67.0	η house_down(%)	42.8
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	220.1	η down(%)	100.0	SLI	23.495

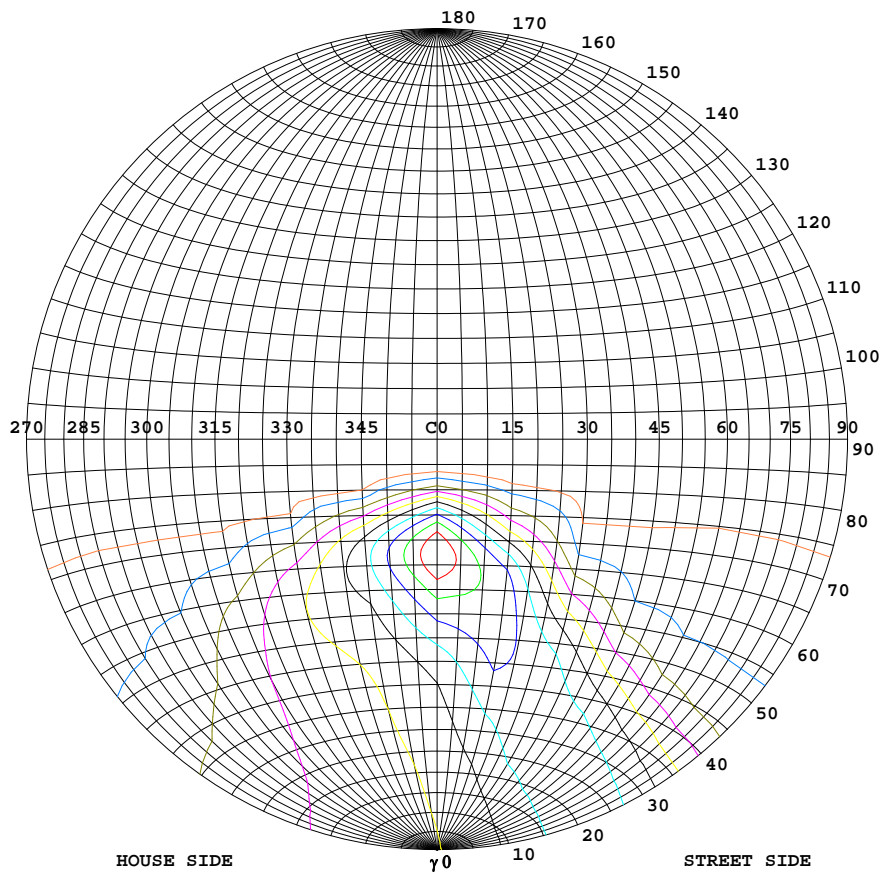
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:

STREETLIGHT ISOCANDELA DIAGRAM

NAME: LED Tunnel Lights	TYPE:1M 3030	WEIGHT:2.3KG
SPEC.:	DIM.: 166*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*70 mm	Shielding Angle:



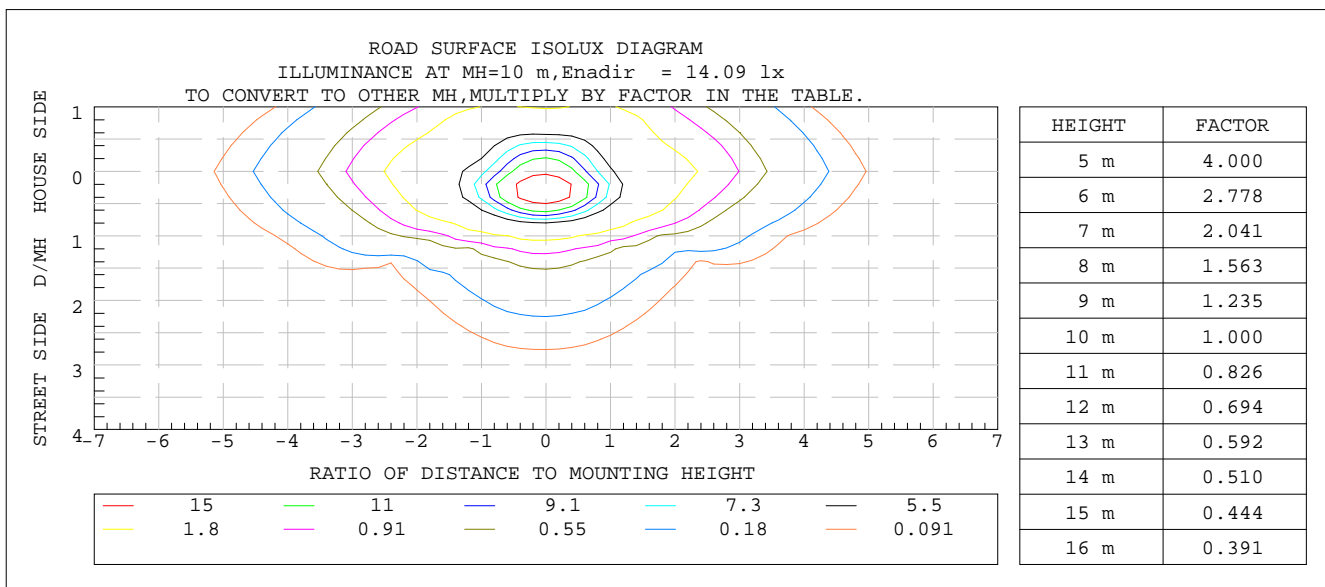
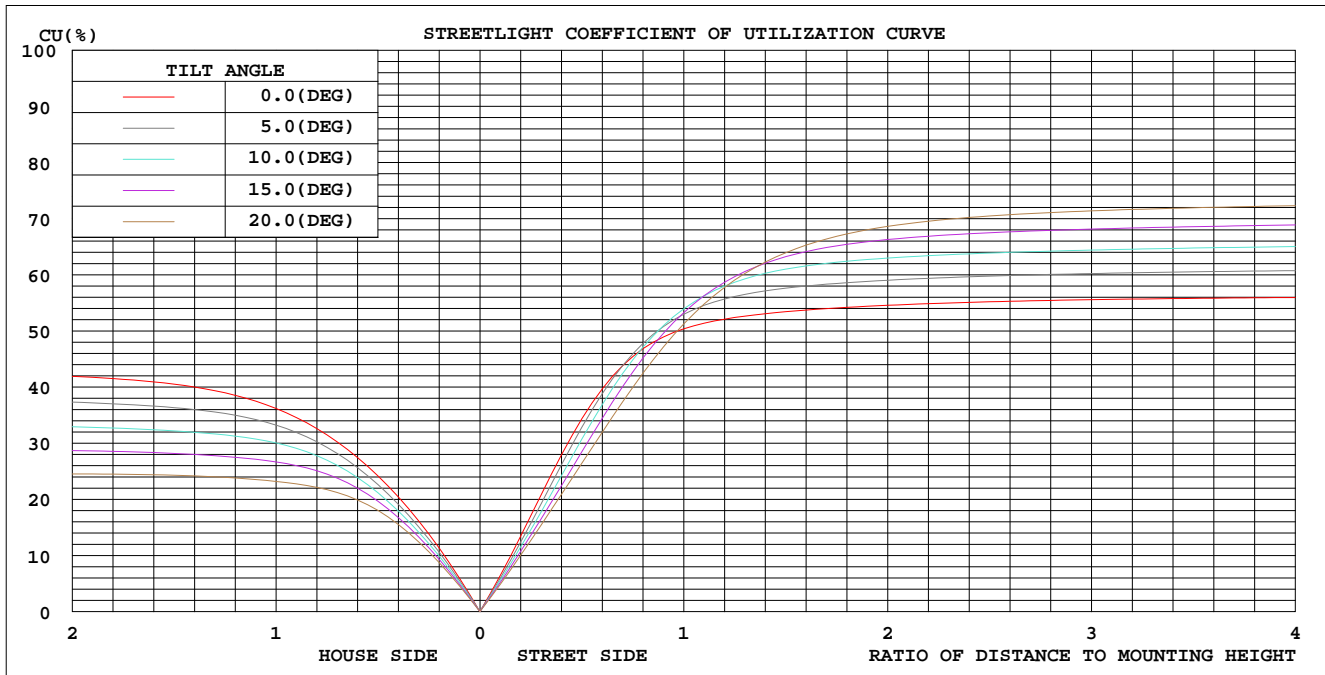
Classification:

IES:Type I - Medium
 CIE:Narrow - Intermediate
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:169.7cd/klm
 Max.At90:0cd/klm
 Max.80-90:169.7cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	3556
90%	3200
80%	2845
70%	2489
60%	2133
50%	1778
40%	1422
30%	1067
20%	711
10%	356
5%	178

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:1M 3030	WEIGHT:2.3KG
SPEC.:	DIM.: 166*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*70 mm	Shielding Angle:

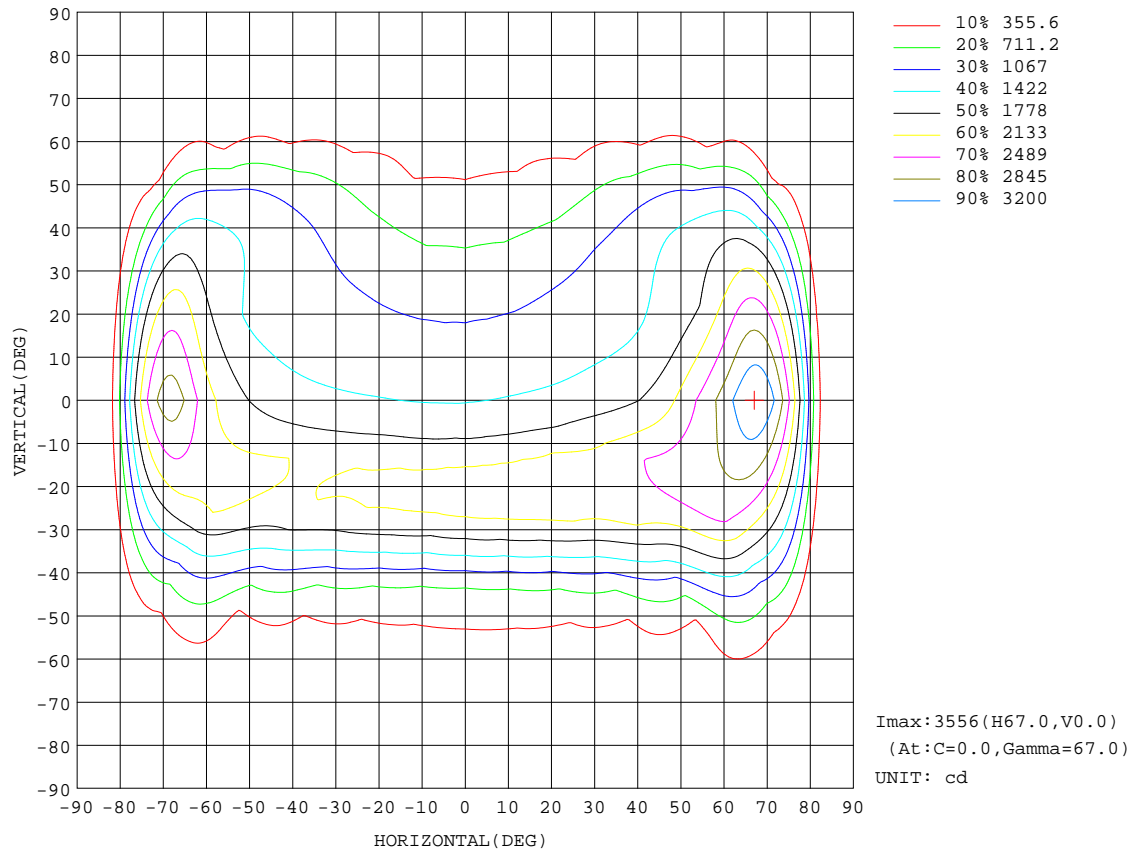
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	1446	1715	1847	1677	1408	1262	1208	1275	0- 10	137.9	137.9	2.46,2.46
20	1508	2171	2262	2083	1439	1145	1031	1180	10- 20	440.2	578.1	10.3,10.3
30	1607	2352	1944	2207	1473	1076	828.6	1127	20- 30	745.8	1324	23.6,23.6
40	1769	1938	1018	1776	1549	1039	585.6	1082	30- 40	931.9	2256	40.3,40.3
50	2237	1046	407.9	926.3	1771	1030	368.6	1019	40- 50	958.1	3214	57.4,57.4
60	3011	354.1	302.2	327.9	2292	815.6	291.6	760.5	50- 60	945.1	4159	74.3,74.3
70	3409	211.2	230.5	202.7	2987	229.1	194.6	232.8	60- 70	886.5	5045	90.1,90.1
80	950.2	109.9	91.12	103.1	746.1	101.7	16.21	96.71	70- 80	486.4	5532	98.8,98.8
90	0	0	0	0	0	0	0	0	80- 90	68.07	5600	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

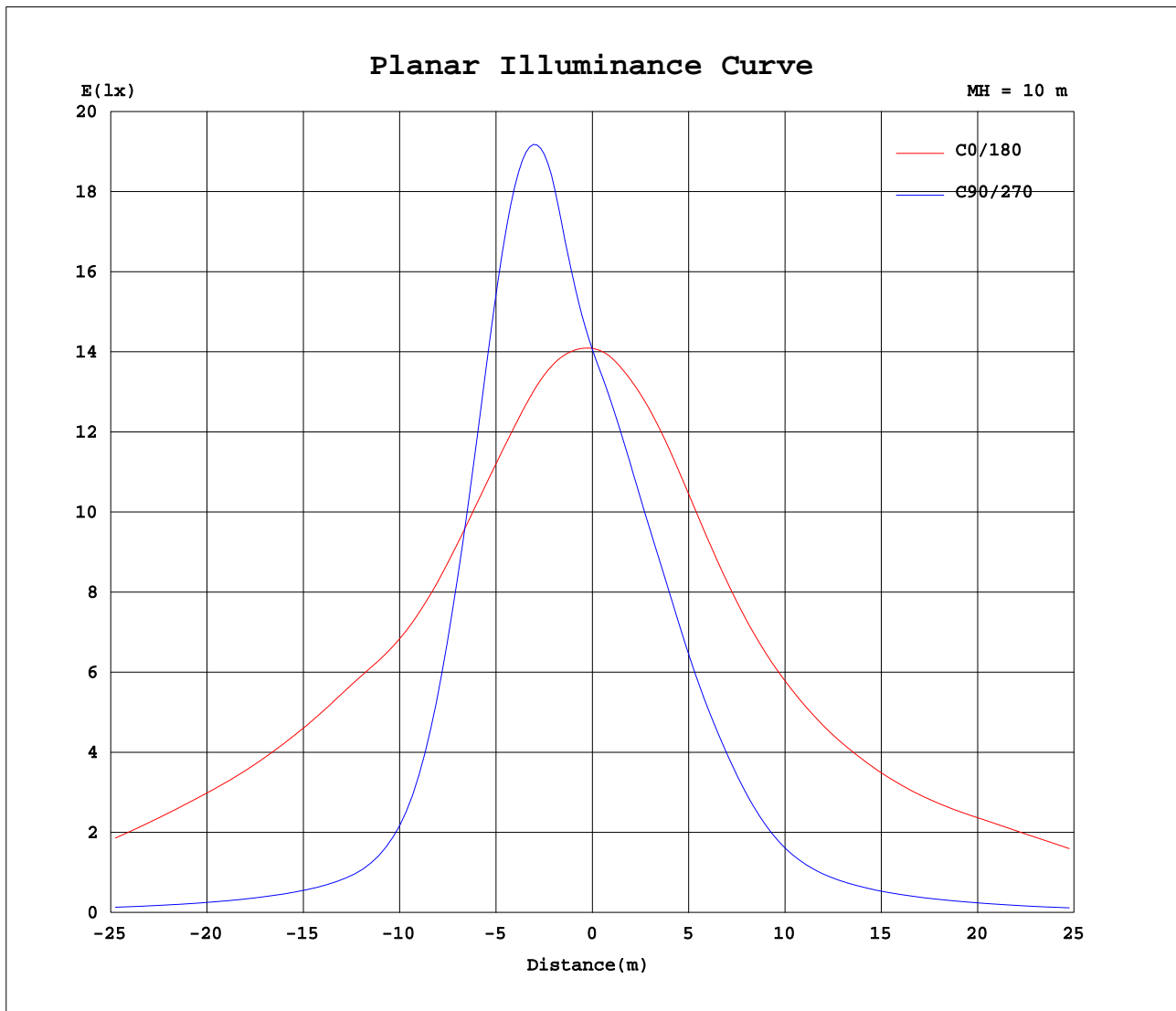
NAME: LED Tunnel Lights	TYPE:1M 3030	WEIGHT:2.3KG
SPEC.:	DIM.: 166*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*70 mm	Shielding Angle:



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



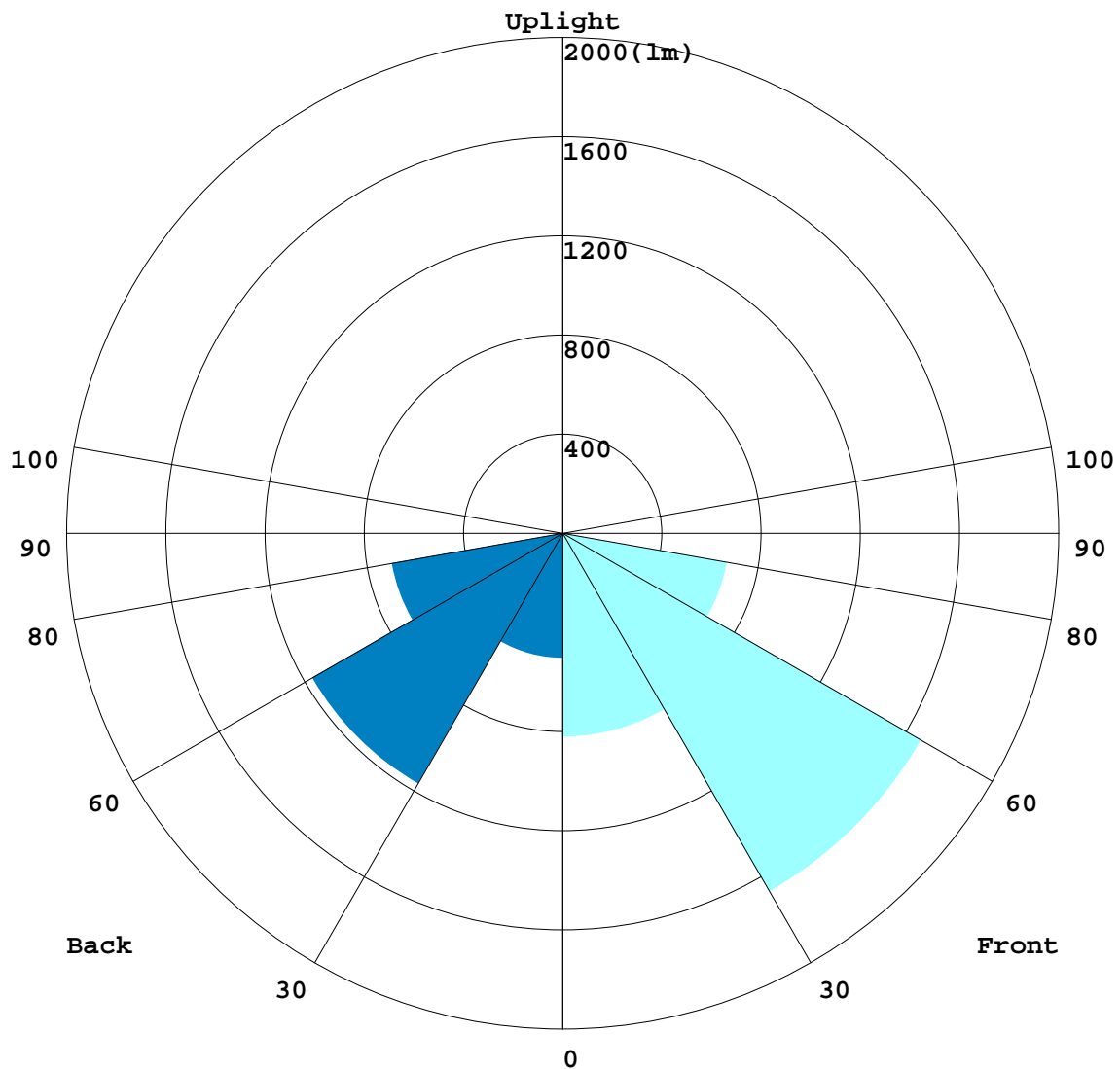
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2018

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: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: 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: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)	821.02	14.7
FM - Front-Medium(30-60)	1669.2	29.8
FH - Front-High(60-80)	673.17	12.0
FVH - Front-Very High(80-90)	39.798	0.7
Total Forward Light	3203.2	57.2

BL - Back-Low(0-30)	502.94	9.0
BM - Back-Medium(30-60)	1165.8	20.8
BH - Back-High(60-80)	699.73	12.5
BVH - Back-Very High(80-90)	28.276	0.5
Total Back Light	2396.8	42.8

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	B2-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2396.8	0	2396.8
Street Side	3203.2	0	3203.2

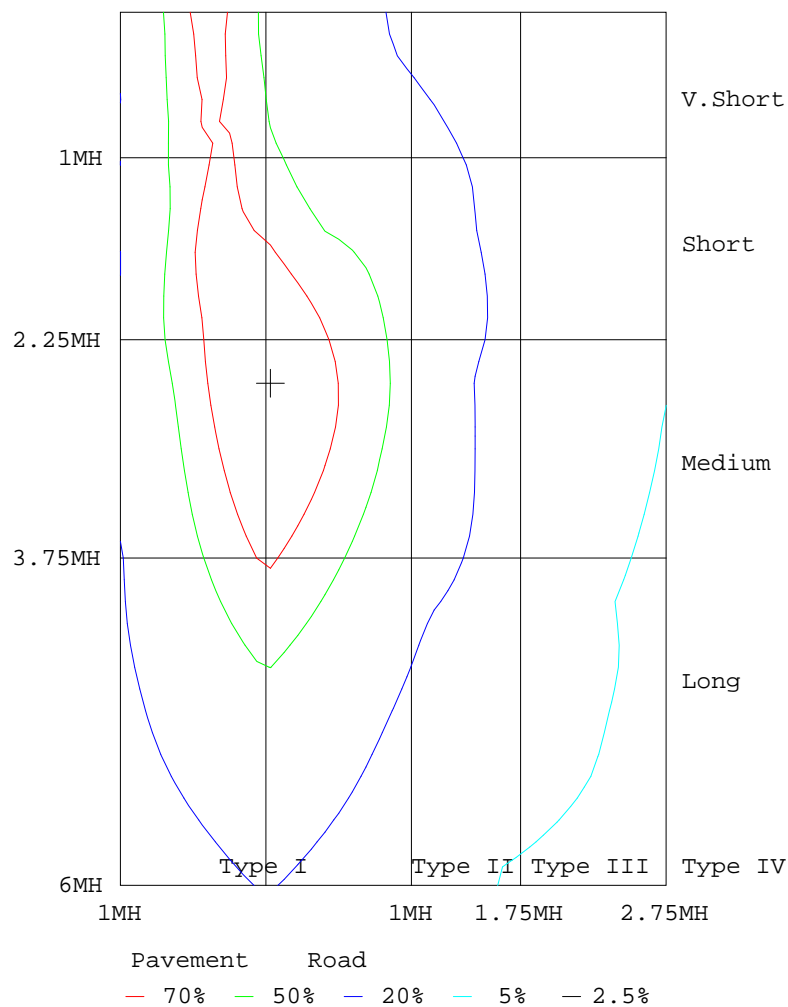
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018

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: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: 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:

```