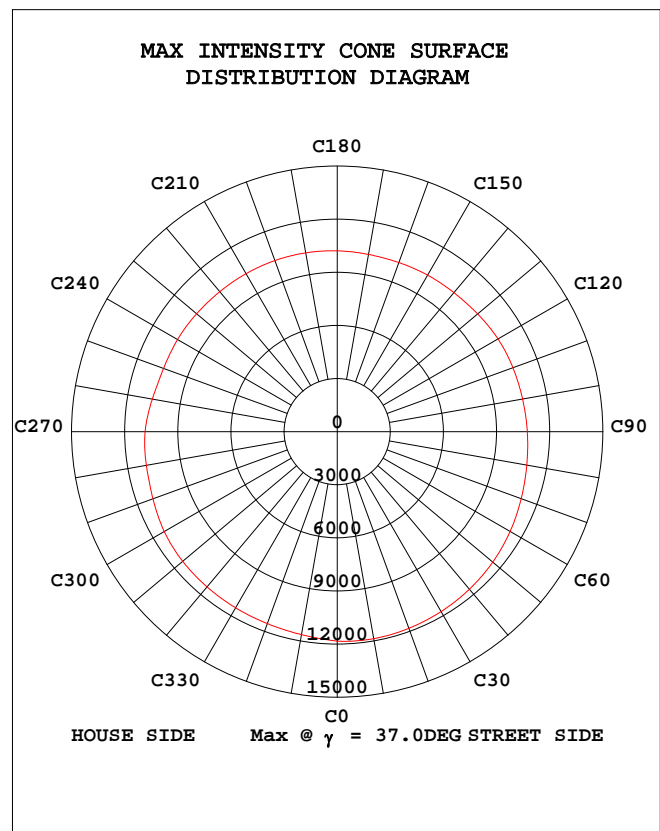
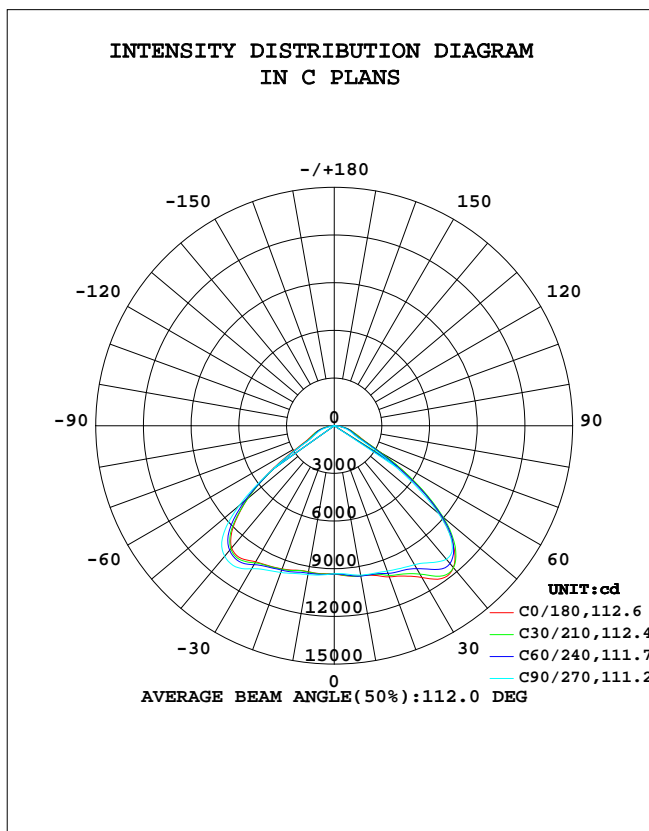


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: LED Tunnel Lights	TYPE:5S 3030	WEIGHT:5.2kg
SPEC.:	DIM.: 385*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*296 mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 125.00 lm/W			
MODEL	ZGSM-SDD240H6	I _{max} (cd)	11853	η street_up(%)	0.0
NOMINAL POWER(W)	240	LOR(%)	100.0	η street_down(%)	51.1
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	30000	η house_up(%)	0.0
NOMINAL FLUX(lm)	30000	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	22.249

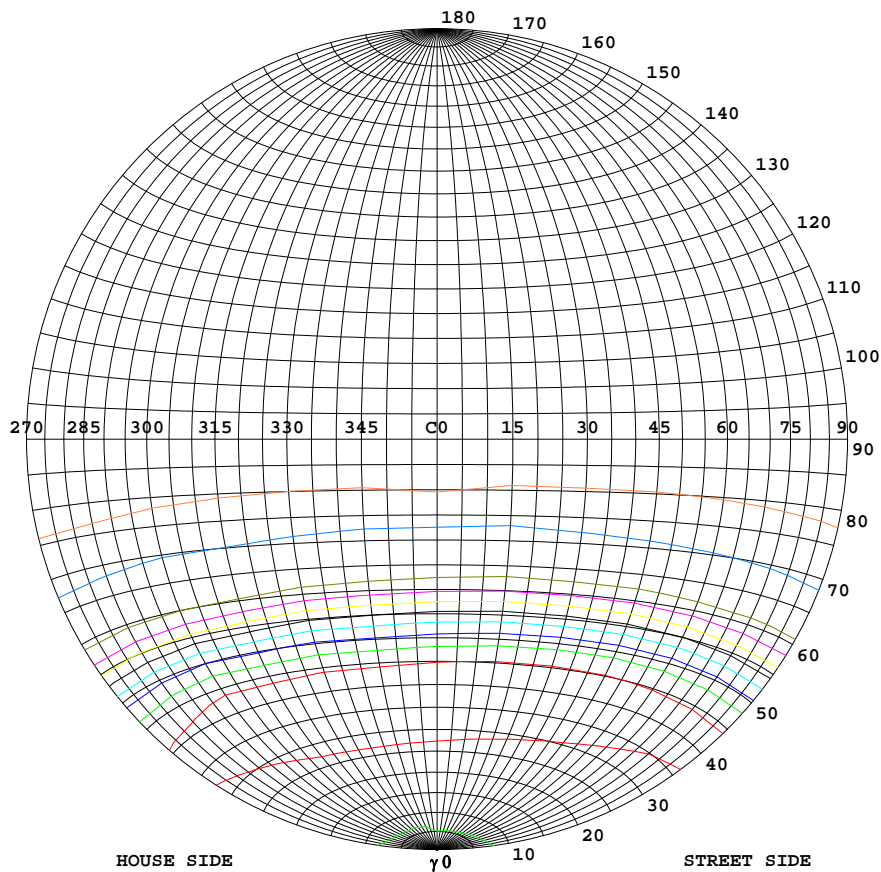


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018

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:5.2kg
SPEC.:	DIM.: 385*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*296 mm	Shielding Angle:



Classification:

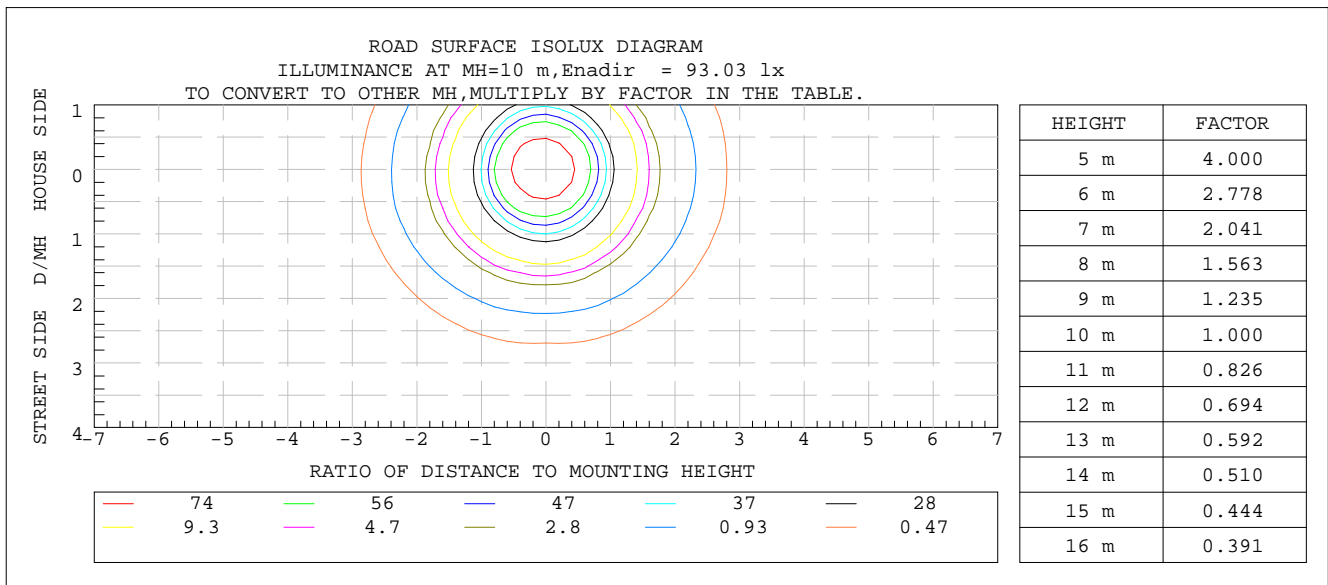
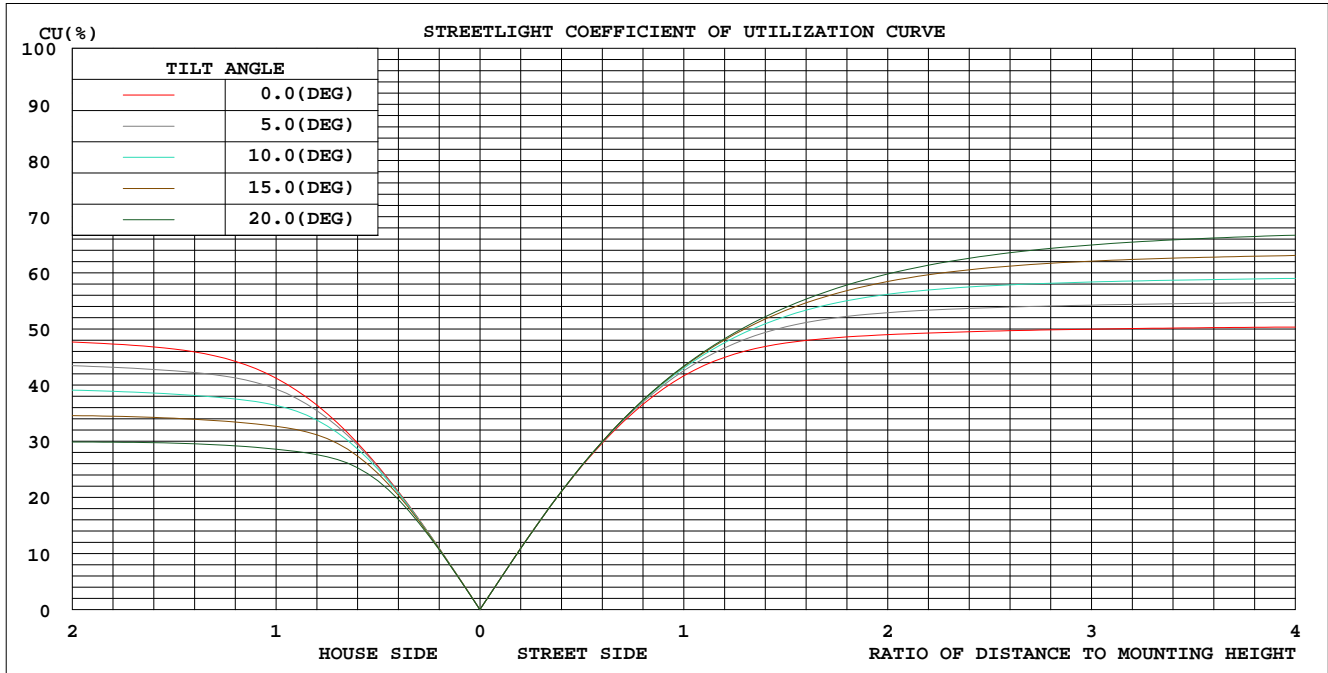
IES:Type V - Very Short
 CIE:Narrow - Short
 IES:Full cut-off
 CIE:Full cut-off
 Max.At80:22.60cd/klm
 Max.At90:0cd/klm
 Max.80-90:22.60cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	11853
90%	10668
80%	9482
70%	8297
60%	7112
50%	5926
40%	4741
30%	3556
20%	2371
10%	1185
5%	593

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:5.2kg
SPEC.:	DIM.: 385*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*296 mm	Shielding Angle:

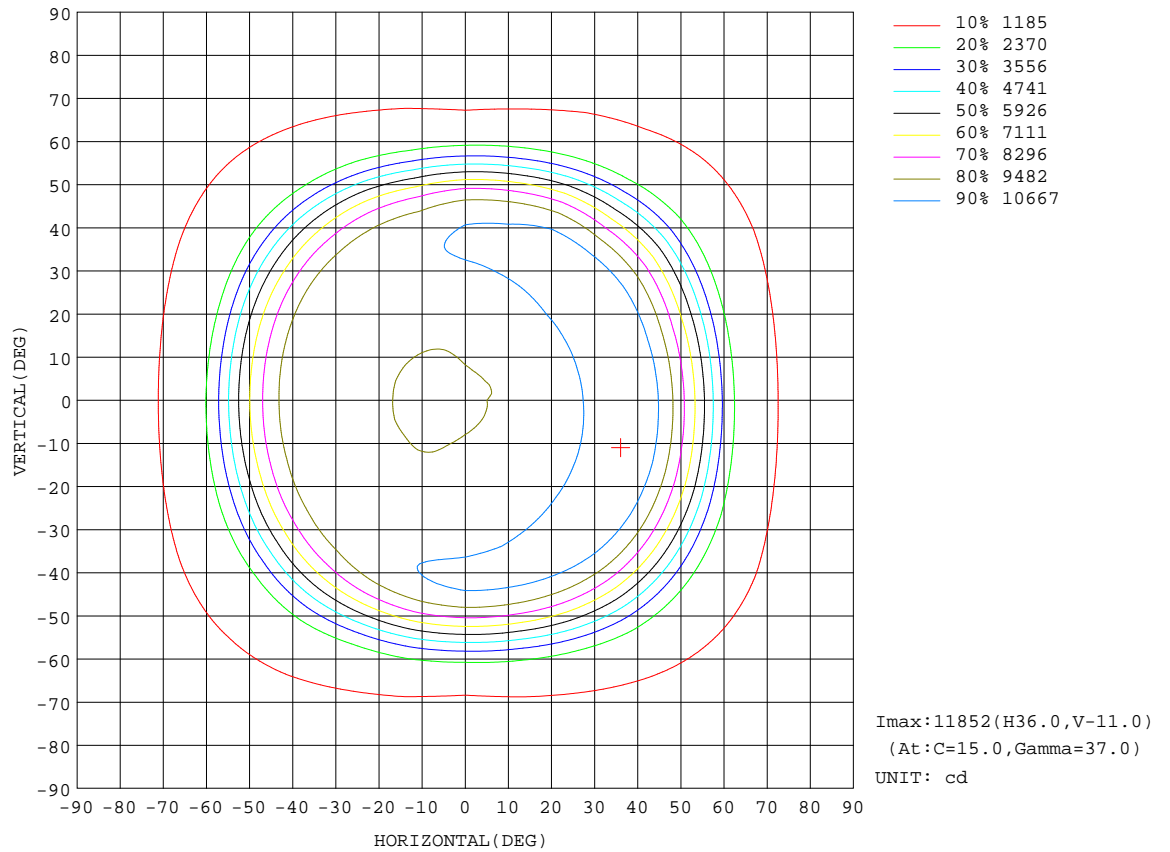
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	957.9	960.7	954.2	938.5	932.9	937.8	950.7	955.6	0- 10	899.9	899.9	3,3
20	1012	994.8	973.3	960.5	958.5	964.2	982.3	1002	10- 20	2729	3629	12.1,12.1
30	1103	1061	1010	991.8	988.9	1005	1039	1102	20- 30	4655	8284	27.6,27.6
40	1166	1151	1096	1021	1004	1014	1072	1124	30- 40	6747	15031	50.1,50.1
50	866.1	893.4	854.7	749.8	709.4	716.0	780.1	816.4	40- 50	7519	22550	75.2,75.2
60	334.2	332.6	268.0	247.7	241.1	206.9	201.7	249.3	50- 60	4646	27196	90.7,90.7
70	136.0	127.0	107.2	121.5	126.3	118.7	100.0	119.0	60- 70	1651	28847	96.2,96.2
80	54.78	62.38	45.86	54.77	48.21	48.39	8.564	52.77	70- 80	924.4	29772	99.2,99.2
90	0	0	0	0	0	0	0	0	80- 90	228.3	30000	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

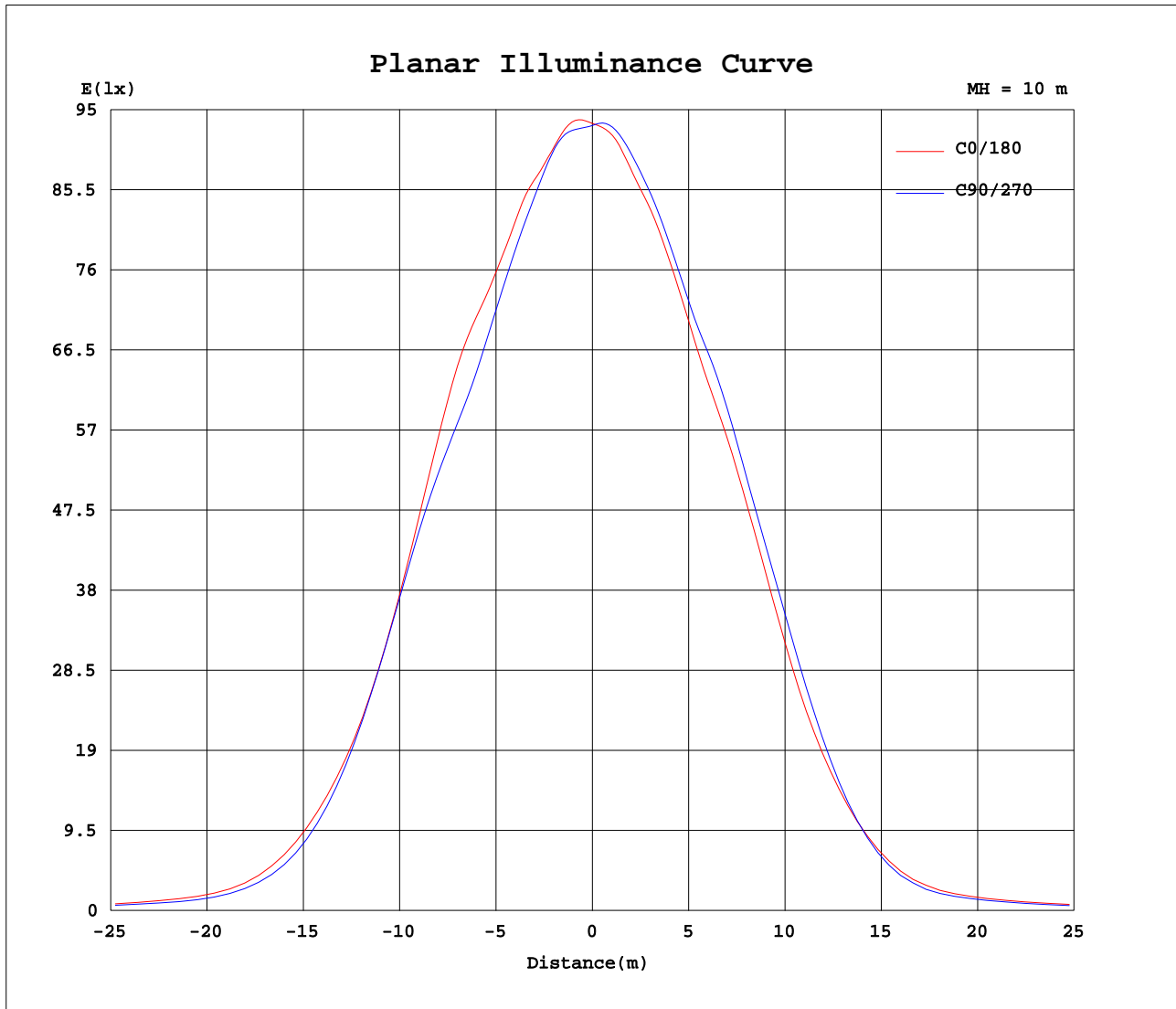
NAME: LED Tunnel Lights	TYPE:5S 3030	WEIGHT:5.2kg
SPEC.:	DIM.: 385*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*296 mm	Shielding Angle:



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



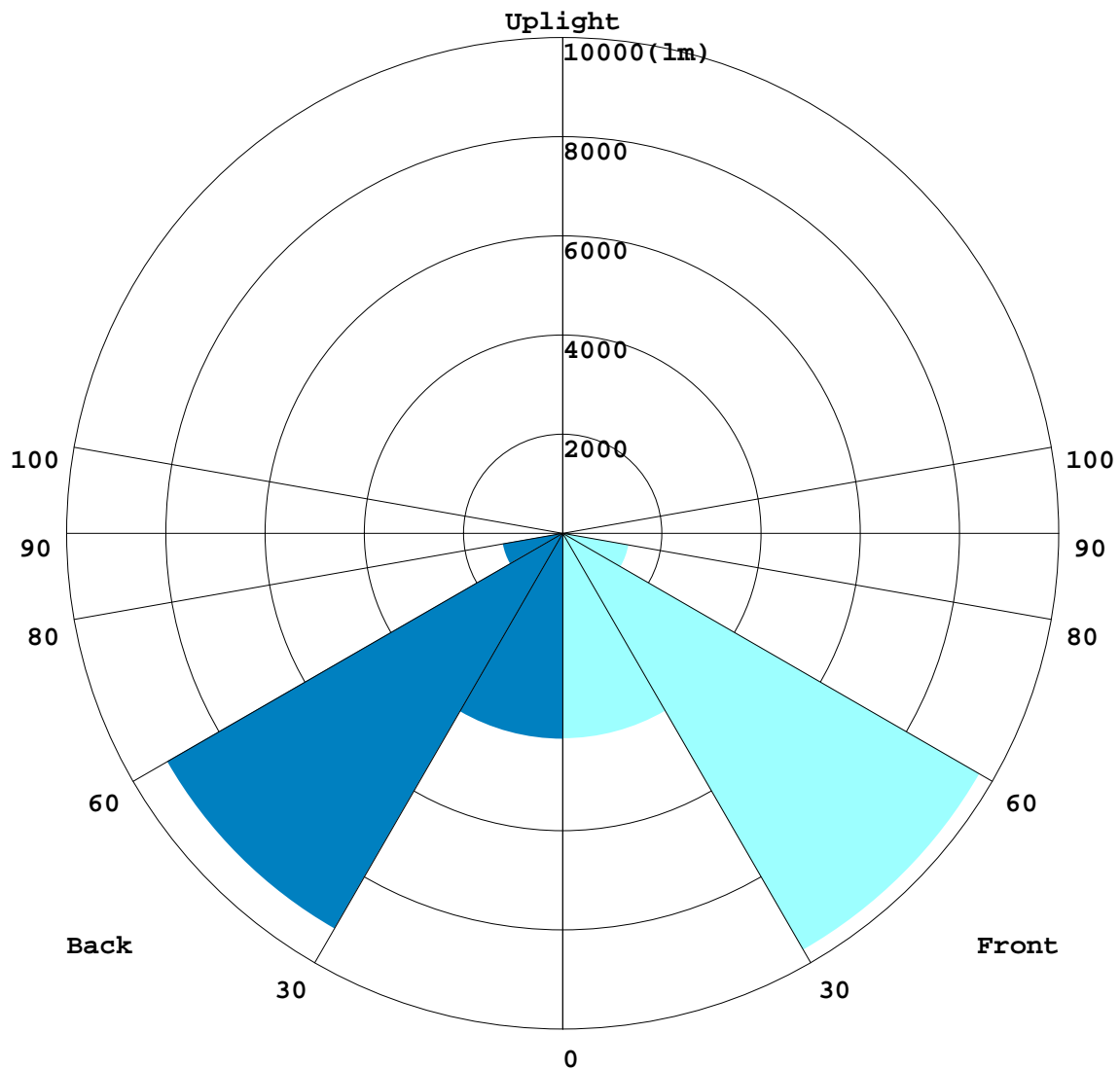
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2018

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:5S 3030	WEIGHT:5.2kg
SPEC.:	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:5S 3030	WEIGHT:5.2kg
SPEC.:	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)	4136.7	13.8
FM - Front-Medium(30-60)	9703.5	32.3
FH - Front-High(60-80)	1350.8	4.5
FVH - Front-Very High(80-90)	135.39	0.5
Total Forward Light	15326	51.1

BL - Back-Low(0-30)	4147.3	13.8
BM - Back-Medium(30-60)	9208.9	30.7
BH - Back-High(60-80)	1224.3	4.1
BVH - Back-Very High(80-90)	92.882	0.3
Total Back Light	14673	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	B5-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	14673	0	14673
Street Side	15326	0	15326

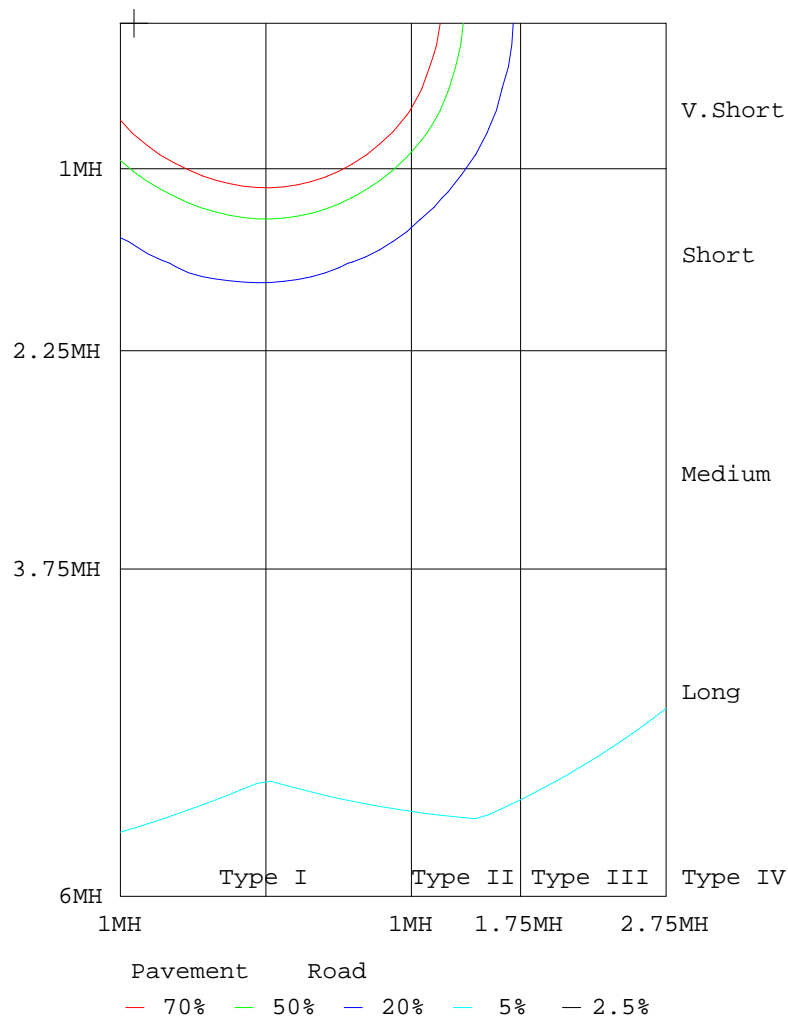
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018

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:5.2kg
SPEC.:	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:

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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:

```