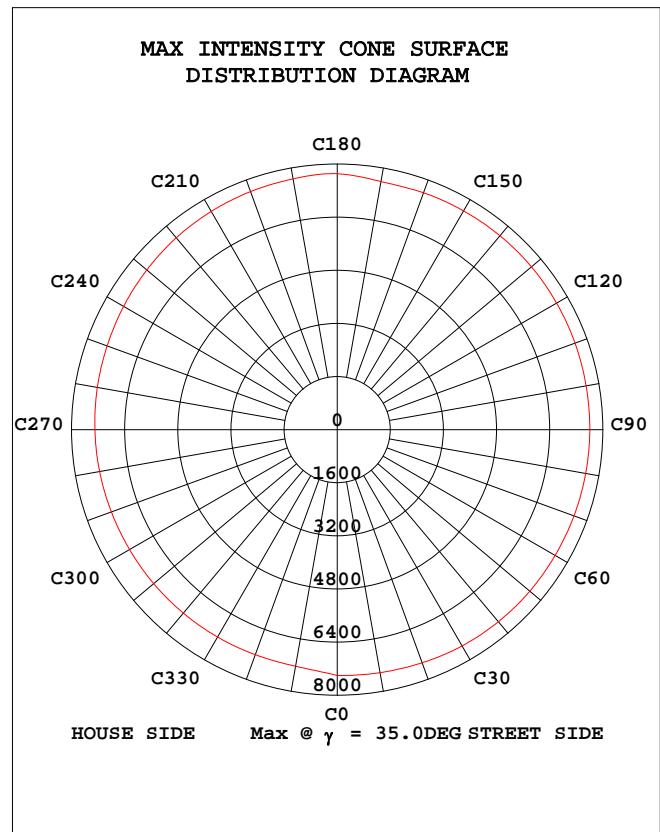
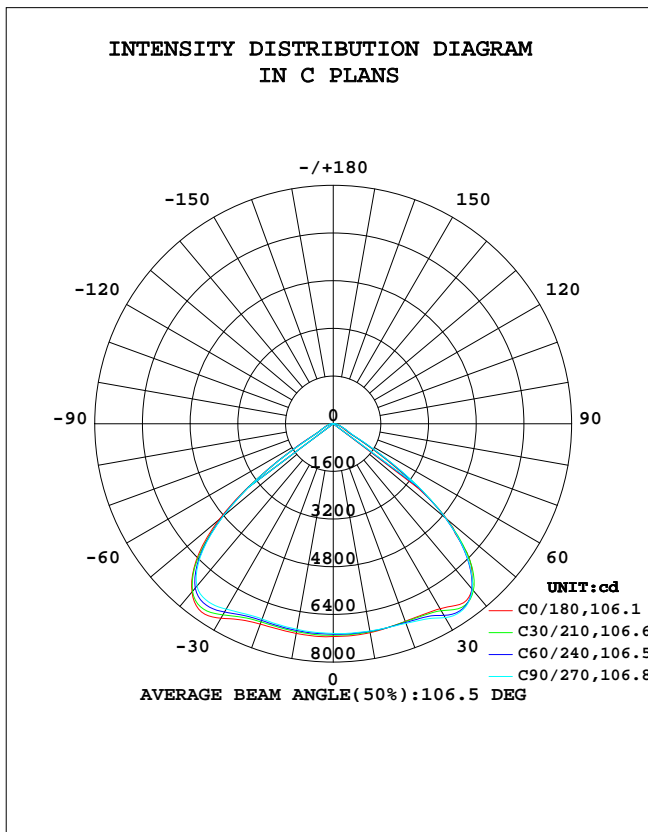


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: LED Tunnel Lights	TYPE:5S 5050	WEIGHT:3.5kg
SPEC.:	DIM.: 239*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*144 mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 155.00 lm/W			
MODEL	ZGSM-SDD120H6	I _{max} (cd)	7710	η street_up(%)	0.0
NOMINAL POWER(W)	120	LOR(%)	100.0	η street_down(%)	50.5
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	18600	η house_up(%)	0.0
NOMINAL FLUX(lm)	18600	MAXIMUM @(C,γ)	180,35.0	η house_down(%)	49.5
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	220.1	η down(%)	100.0	SLI	19.834

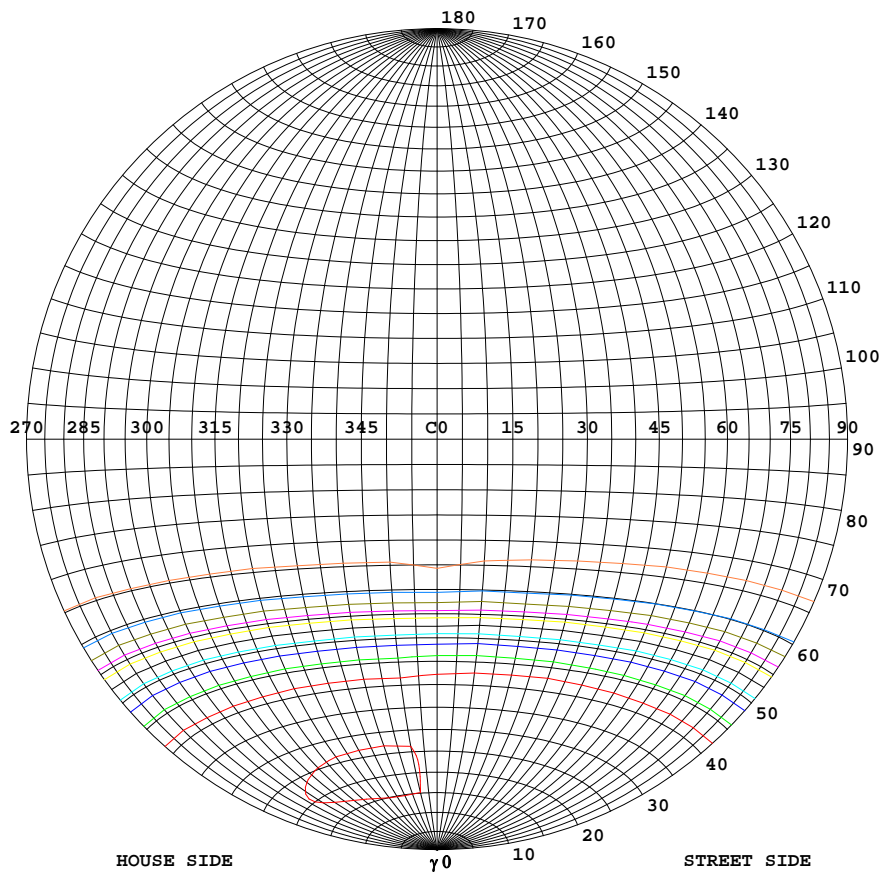


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018

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 5050	WEIGHT:3.5kg
SPEC.:	DIM.: 239*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*144 mm	Shielding Angle:



Classification:

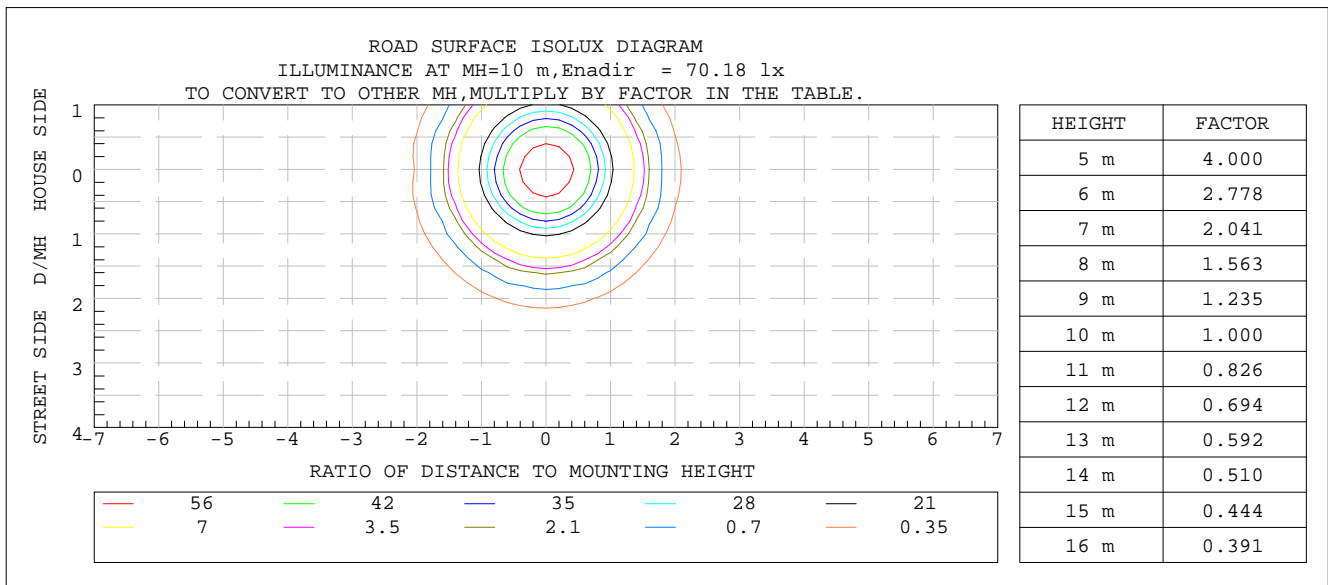
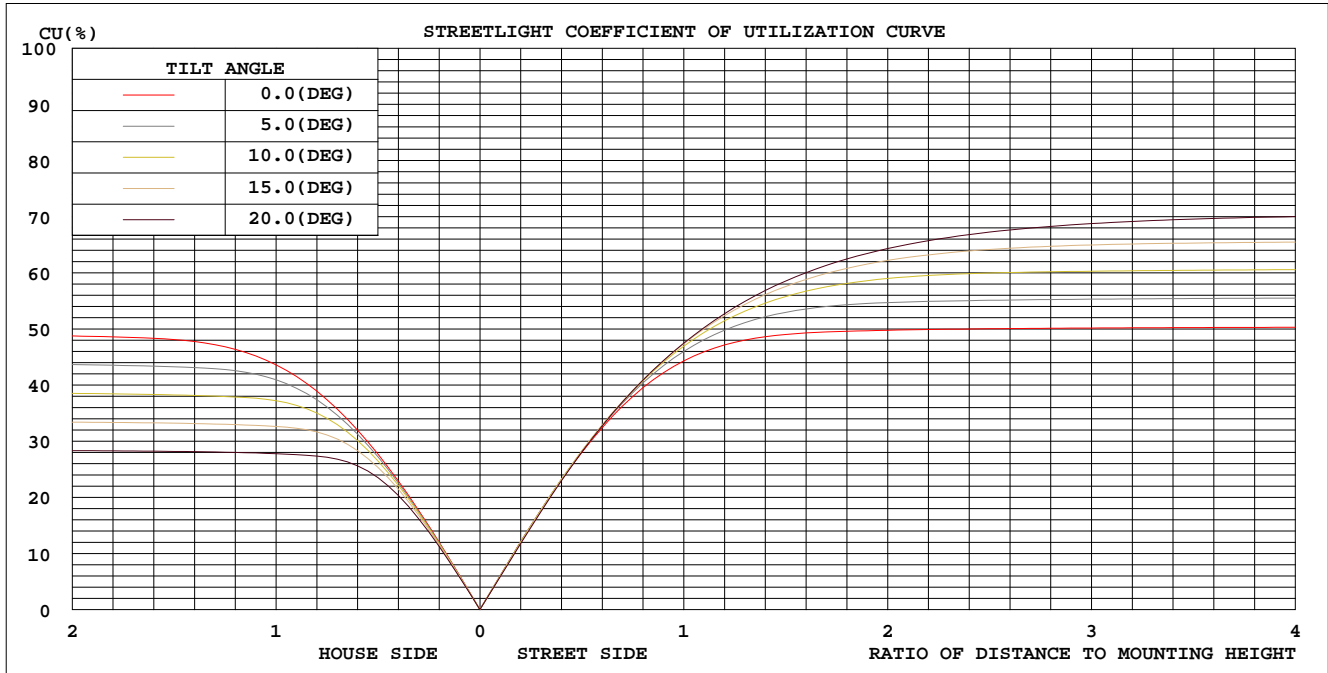
IES:Type V - Very Short
 CIE:Narrow - Short
 IES:Full cut-off
 CIE:Full cut-off
 Max.At80:8.042cd/klm
 Max.At90:0cd/klm
 Max.80-90:8.042cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7710
90%	6939
80%	6168
70%	5397
60%	4626
50%	3855
40%	3084
30%	2313
20%	1542
10%	771
5%	386

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 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: 10.0DEG
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 5050	WEIGHT:3.5kg
SPEC.:	DIM.: 239*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*144 mm	Shielding Angle:

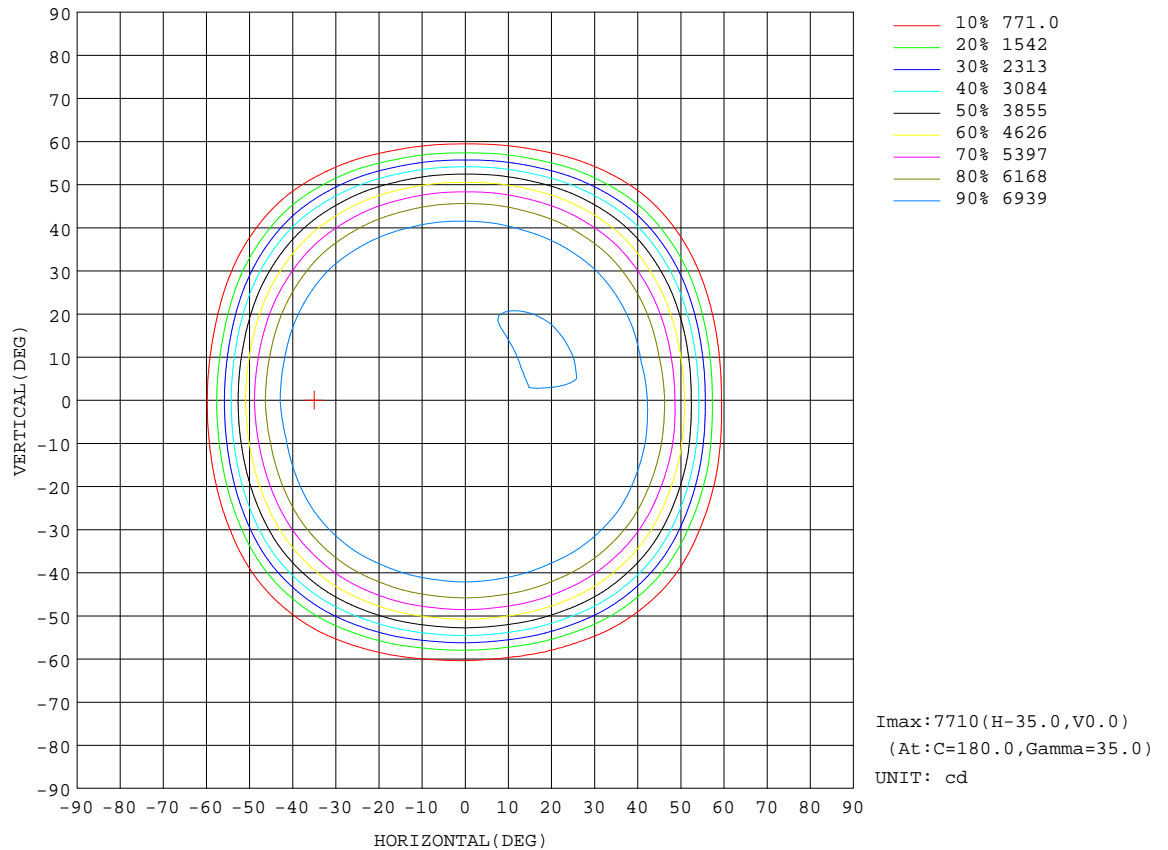
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
10	7117	7081	7063	7040	7144	7065	7005	6976	0- 10	673.0	673.0	3.62,3.62
20	7058	7082	7128	7085	7157	7048	6973	6912	10- 20	1995	2668	14.3,14.3
30	7168	7335	7512	7468	7534	7351	7184	7039	20- 30	3306	5974	32.1,32.1
40	7246	7282	7255	7290	7374	7280	7115	7105	30- 40	4650	10624	57.1,57.1
50	4988	4912	4919	4902	4993	4830	4816	4862	40- 50	4836	15461	83.1,83.1
60	607.0	741.5	823.0	830.1	702.2	642.2	636.4	669.6	50- 60	2424	17884	96.2,96.2
70	234.6	297.8	274.1	290.0	266.8	271.7	246.9	278.3	60- 70	430.0	18314	98.5,98.5
80	106.5	134.3	141.5	138.0	107.6	135.4	135.9	131.5	70- 80	197.7	18512	99.5,99.5
90	0	0	0	0	0	0	0	0	80- 90	87.87	18600	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: 10.0DEG
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

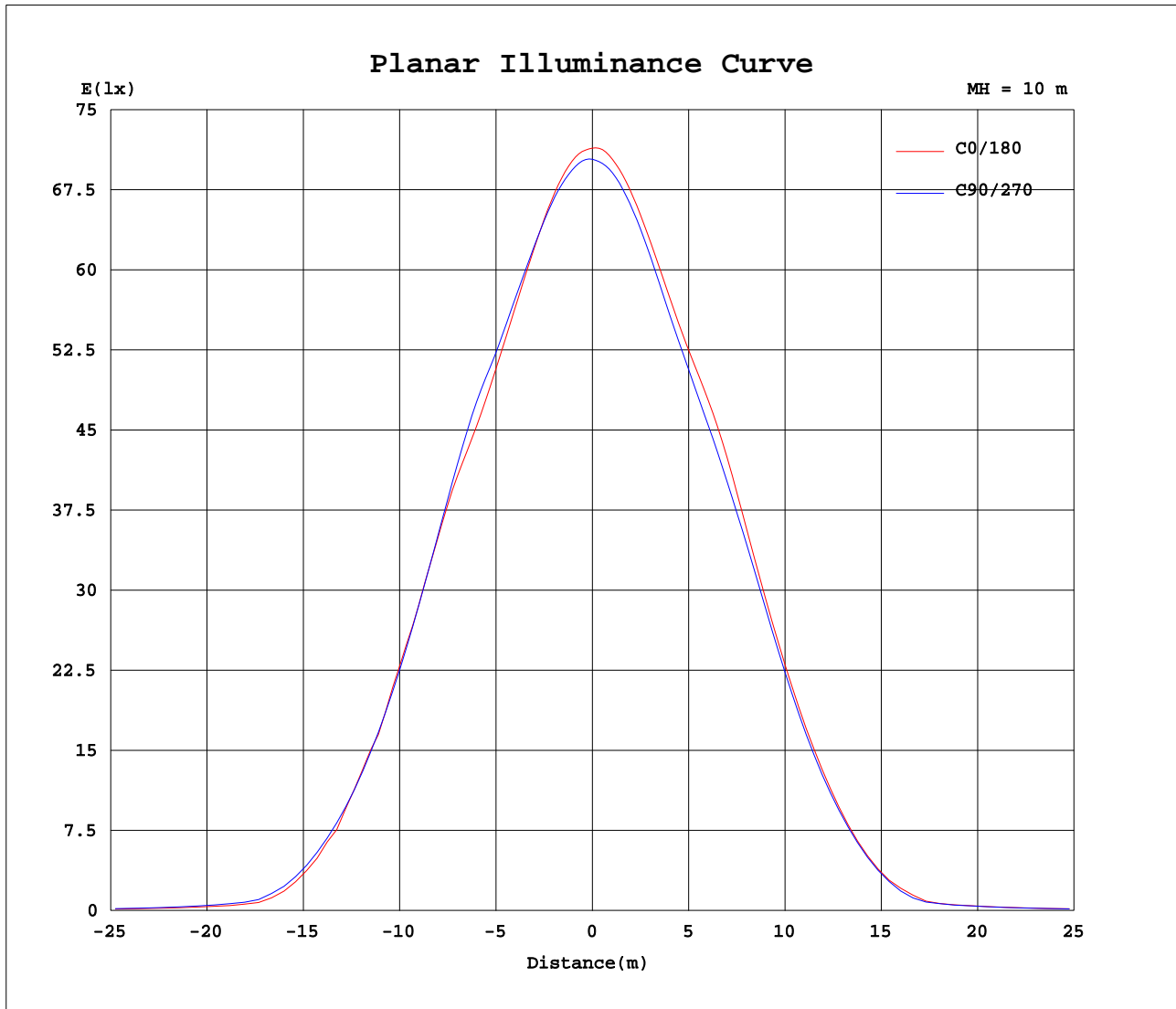
NAME: LED Tunnel Lights	TYPE:5S 5050	WEIGHT:3.5kg
SPEC.:	DIM.: 239*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*144 mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
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

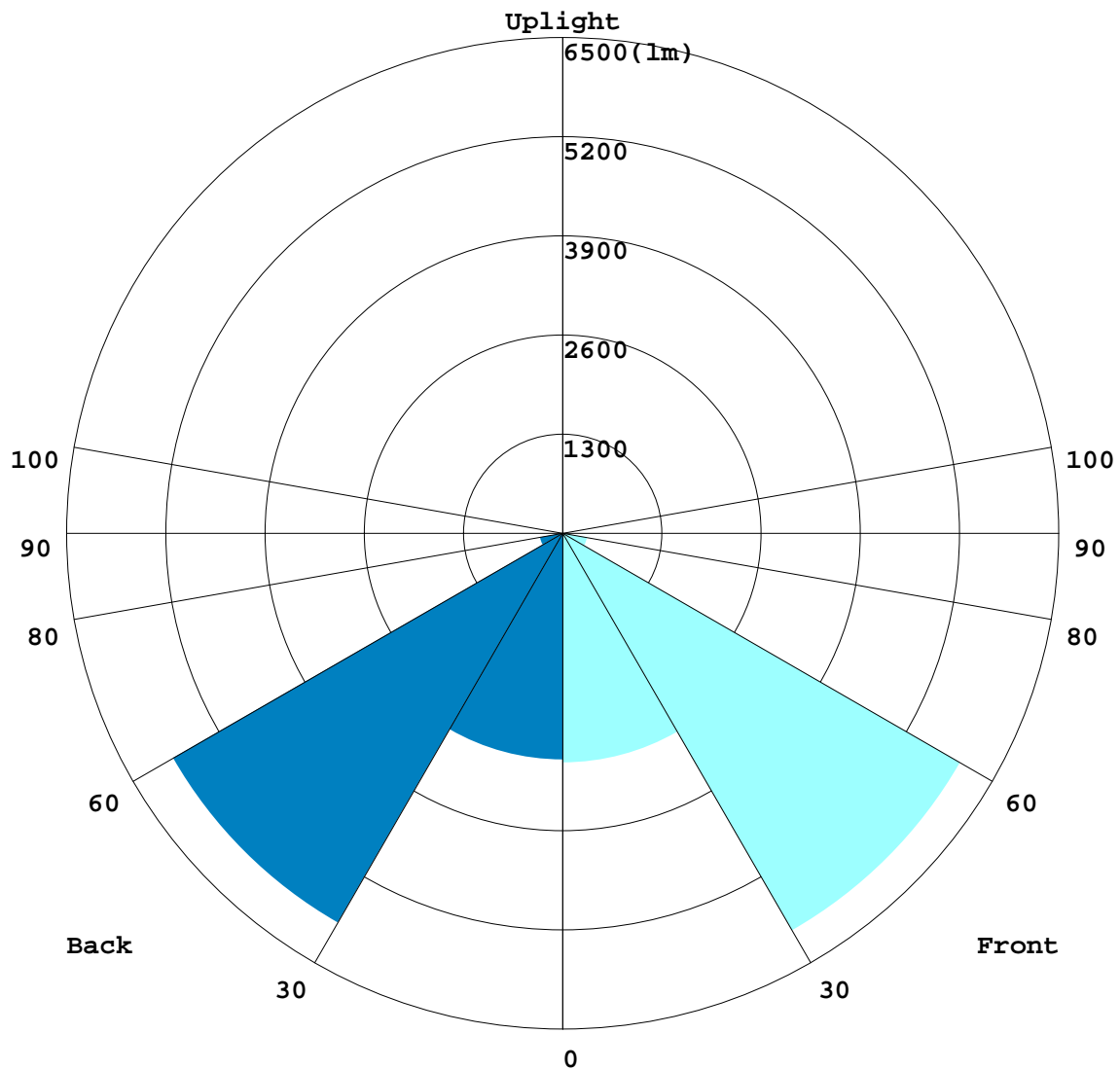


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2018

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 5050	WEIGHT:3.5kg
SPEC.:	DIM.: 239*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*144 mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 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 5050	WEIGHT:3.5kg
SPEC.:	DIM.: 239*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*144 mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	3006.1	16.2
FM - Front-Medium(30-60)	6014.8	32.3
FH - Front-High(60-80)	326.47	1.8
FVH - Front-Very High(80-90)	44.112	0.2
Total Forward Light	9391.5	50.5

BL - Back-Low(0-30)	2967.9	16.0
BM - Back-Medium(30-60)	5895.4	31.7
BH - Back-High(60-80)	301.23	1.6
BVH - Back-Very High(80-90)	43.758	0.2
Total Back Light	9208.2	49.5

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	B4-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	9208.2	0	9208.3
Street Side	9391.5	0	9391.5

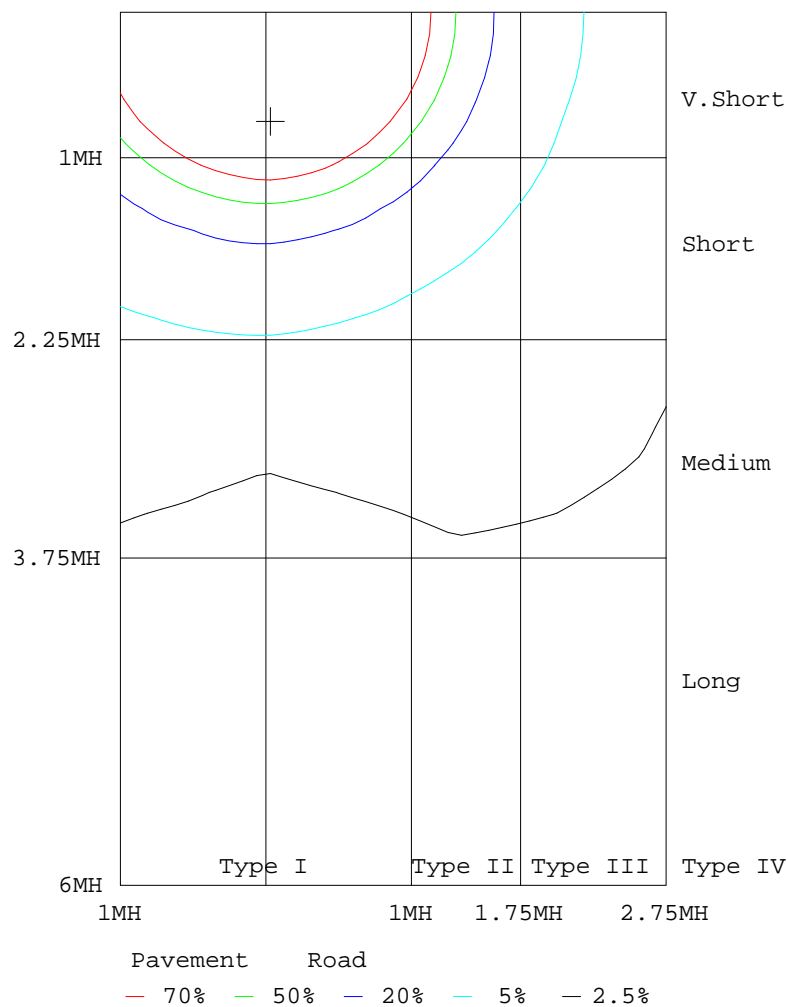
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018

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 5050	WEIGHT:3.5kg
SPEC.:	DIM.: 239*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*144 mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
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:

```

Range: 0 - 90DEG
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:

```