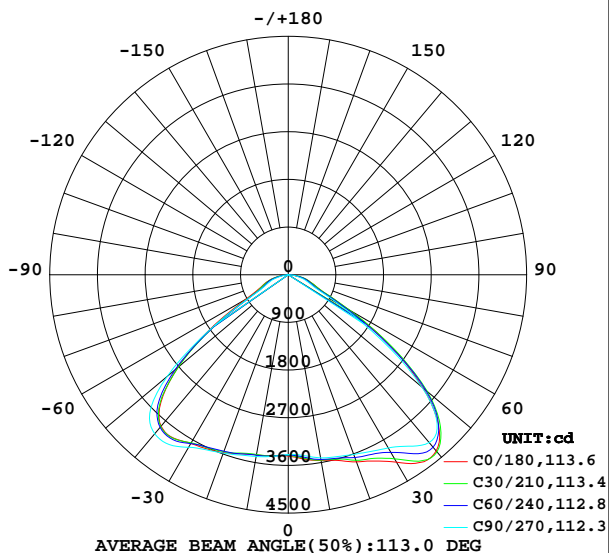
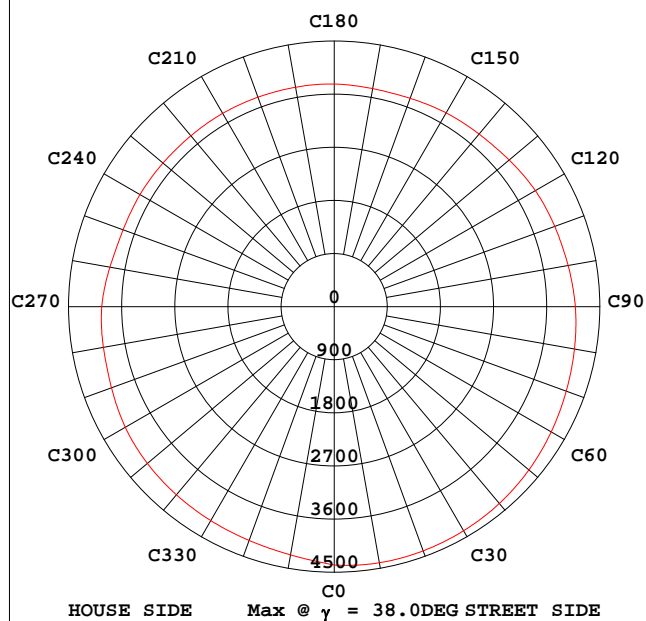


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: LED Tunnel Lights	TYPE:5S 3030	WEIGHT:3.5kg
SPEC.:	DIM.: 239*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*144 mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 140.00 lm/W			
MODEL	ZGSM-SDD80H4	I _{max} (cd)	4407	η street_up(%)	0.0
NOMINAL POWER(W)	80	LOR(%)	100.0	η street_down(%)	51.4
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	11200	η house_up(%)	0.0
NOMINAL FLUX(lm)	11200	MAXIMUM @(C,γ)	15,38.0	η house_down(%)	48.6
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	220.1	η down(%)	100.0	SLI	20.784

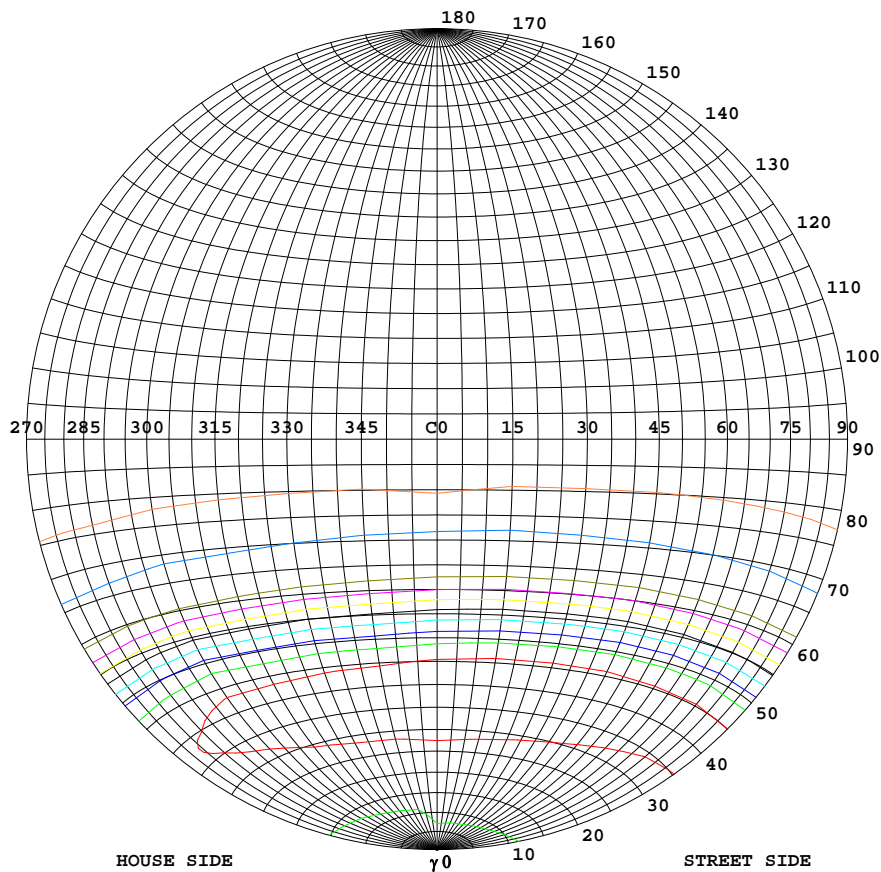
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:5S 3030	WEIGHT:3.5kg
SPEC.:	DIM.: 239*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*144 mm	Shielding Angle:



Classification:

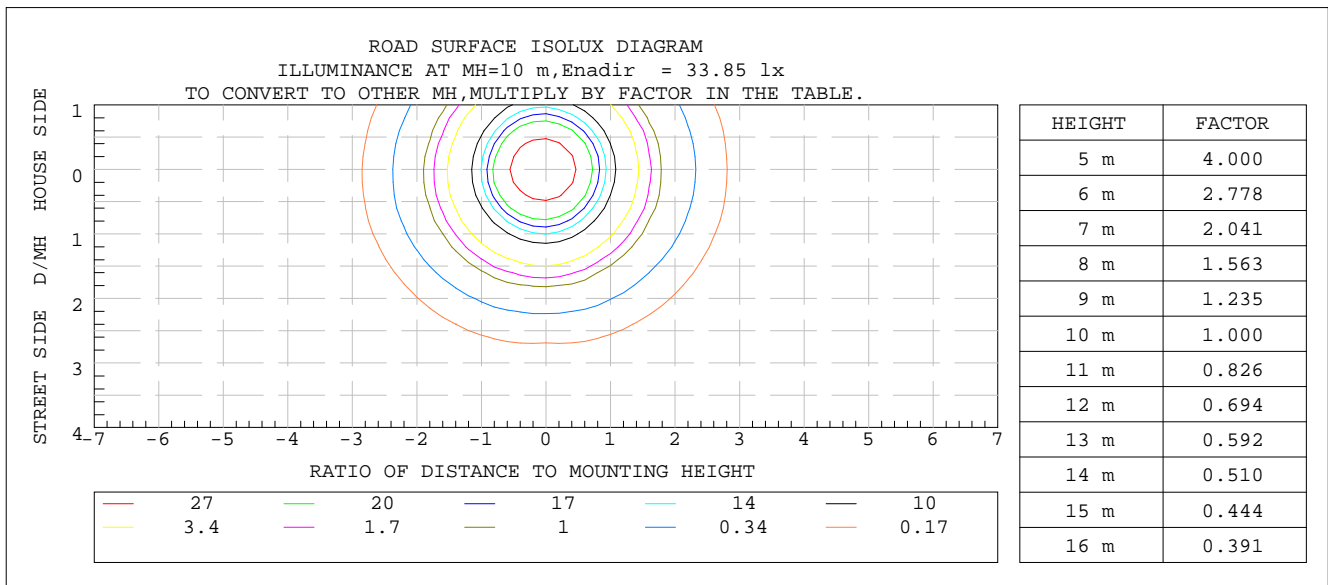
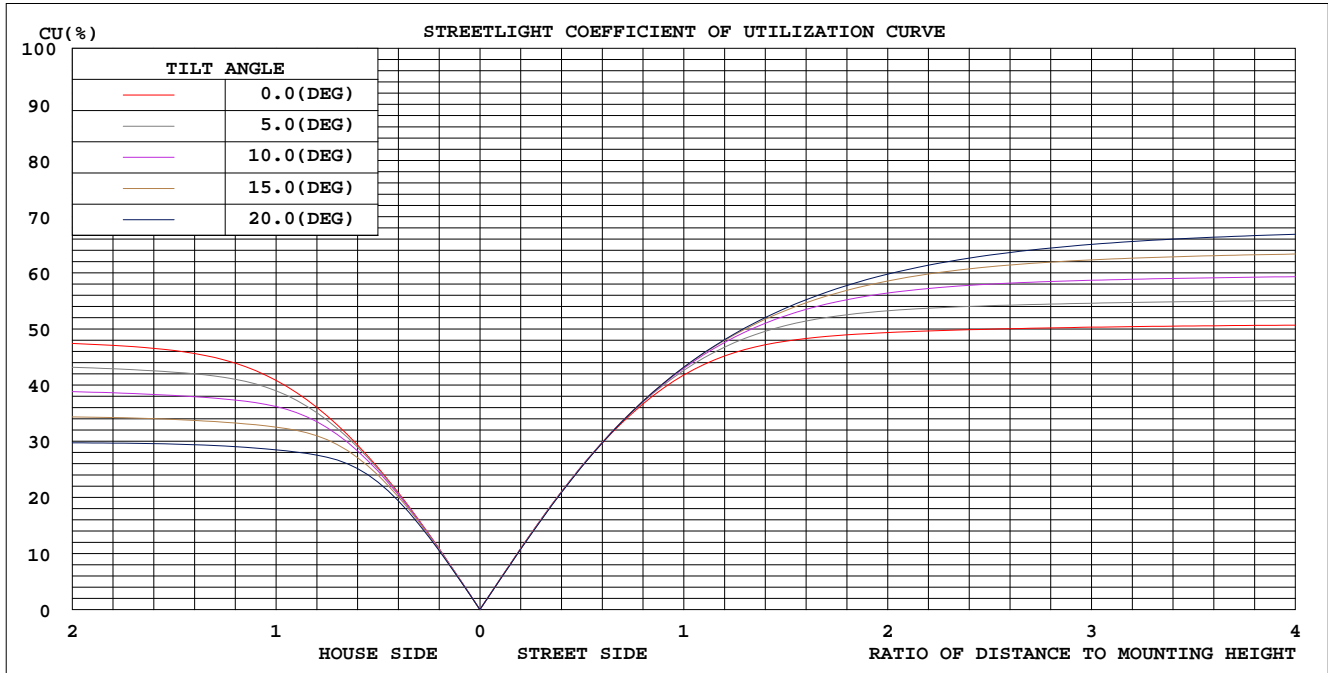
IES:Type V - Very Short
 CIE:Average - Short
 IES:Full cut-off
 CIE:Full cut-off
 Max.At80:21.98cd/klm
 Max.At90:0cd/klm
 Max.80-90:21.98cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	4407
90%	3966
80%	3526
70%	3085
60%	2644
50%	2204
40%	1763
30%	1322
20%	881
10%	441
5%	220

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

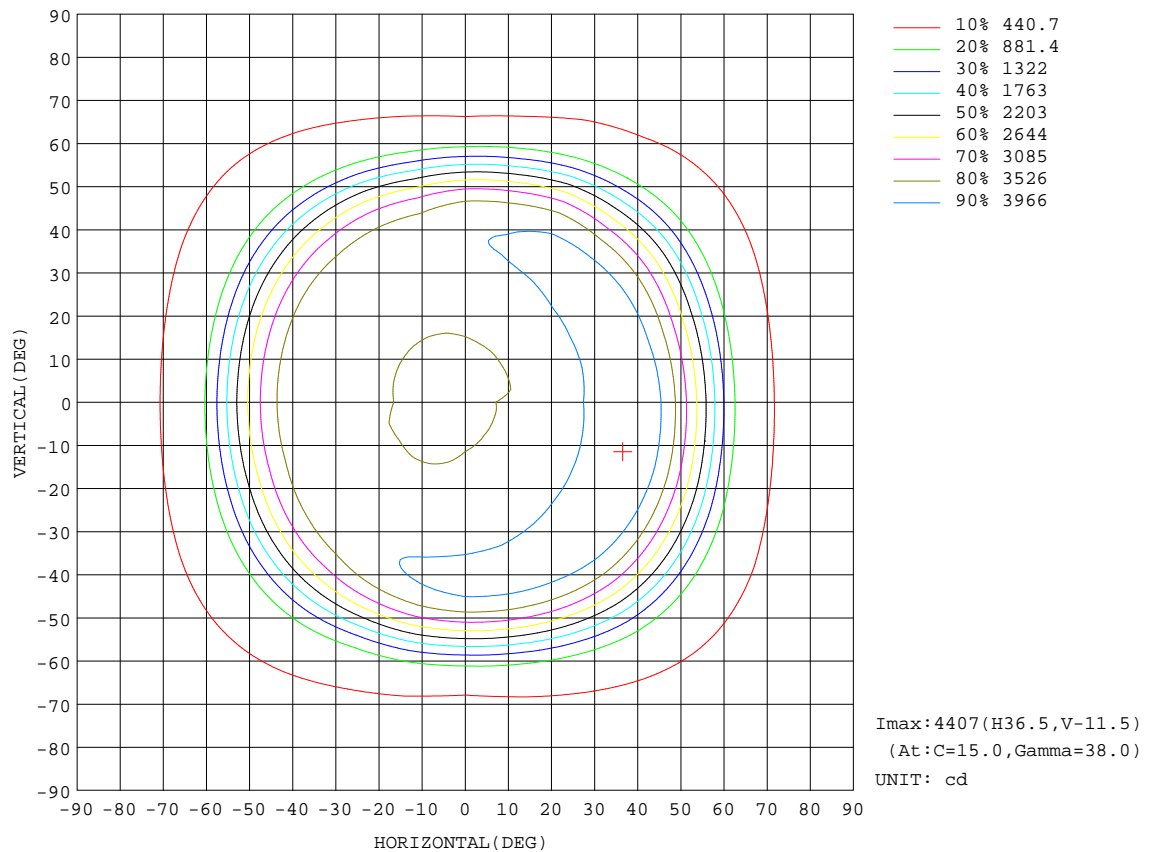
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	3557	3548	3509	3448	3452	3451	3483	3504	0- 10	330.0	330.0	2.95,2.95
20	3759	3699	3609	3559	3573	3548	3583	3662	10- 20	1007	1337	11.9,11.9
30	4085	3953	3775	3701	3676	3678	3760	3988	20- 30	1718	3056	27.3,27.3
40	4344	4321	4135	3811	3734	3739	3920	4115	30- 40	2489	5545	49.5,49.5
50	3318	3429	3289	2850	2716	2724	2980	3132	40- 50	2827	8372	74.7,74.7
60	1313	1317	1061	954.9	923.9	795.4	767.8	1007	50- 60	1802	10173	90.8,90.8
70	482.9	463.2	387.0	439.6	458.6	425.9	353.1	420.2	60- 70	609.0	10783	96.3,96.3
80	196.7	228.6	165.1	197.3	173.9	171.8	62.98	188.3	70- 80	333.7	11116	99.3,99.3
90	0	0	0	0	0	0	0	0	80- 90	83.62	11200	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

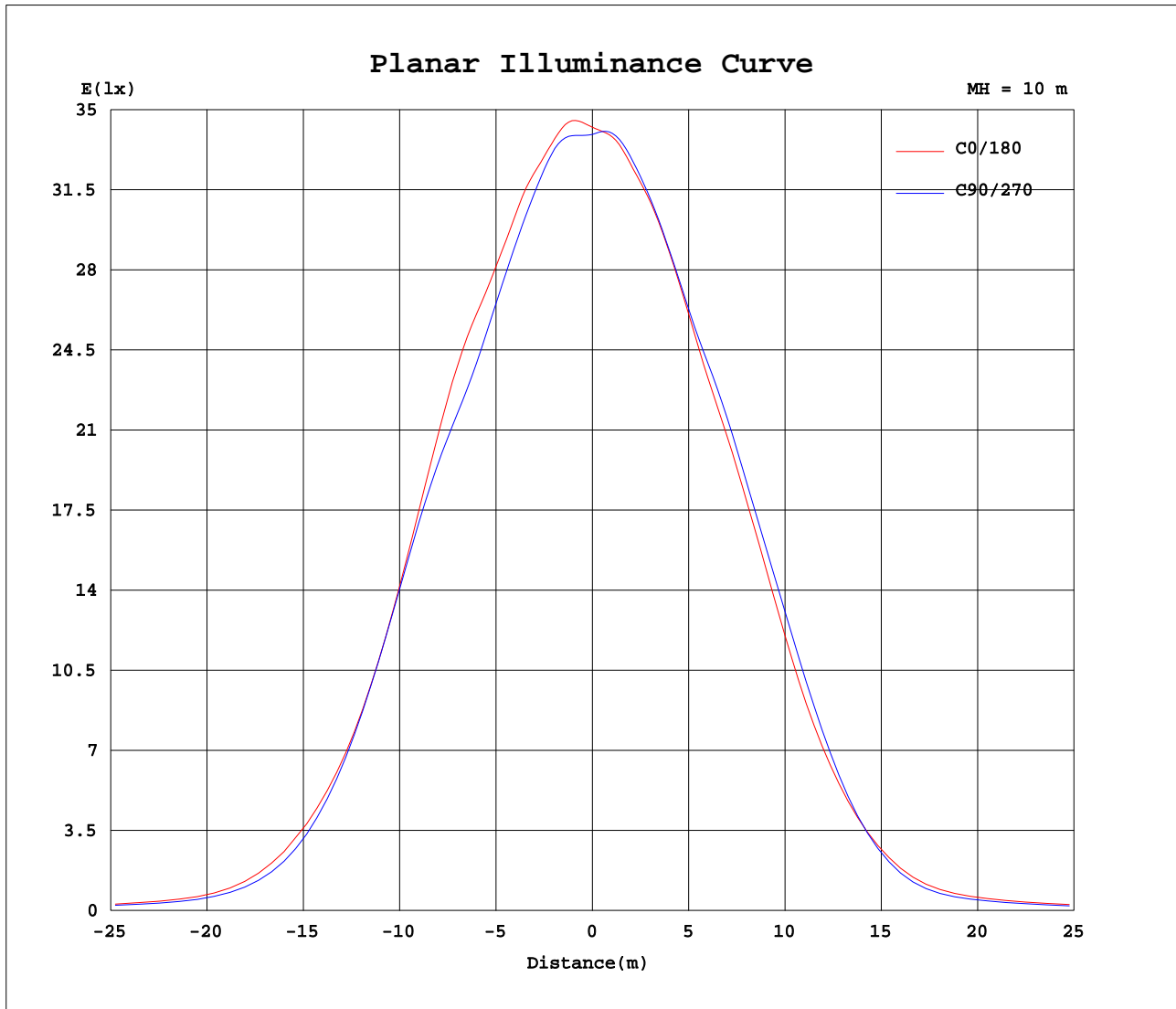
NAME: LED Tunnel Lights	TYPE:5S 3030	WEIGHT:3.5kg
SPEC.:	DIM.: 239*270*165mm	SERIAL No.:
MFR.: ZGSM	SUR.:250*144 mm	Shielding Angle:



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

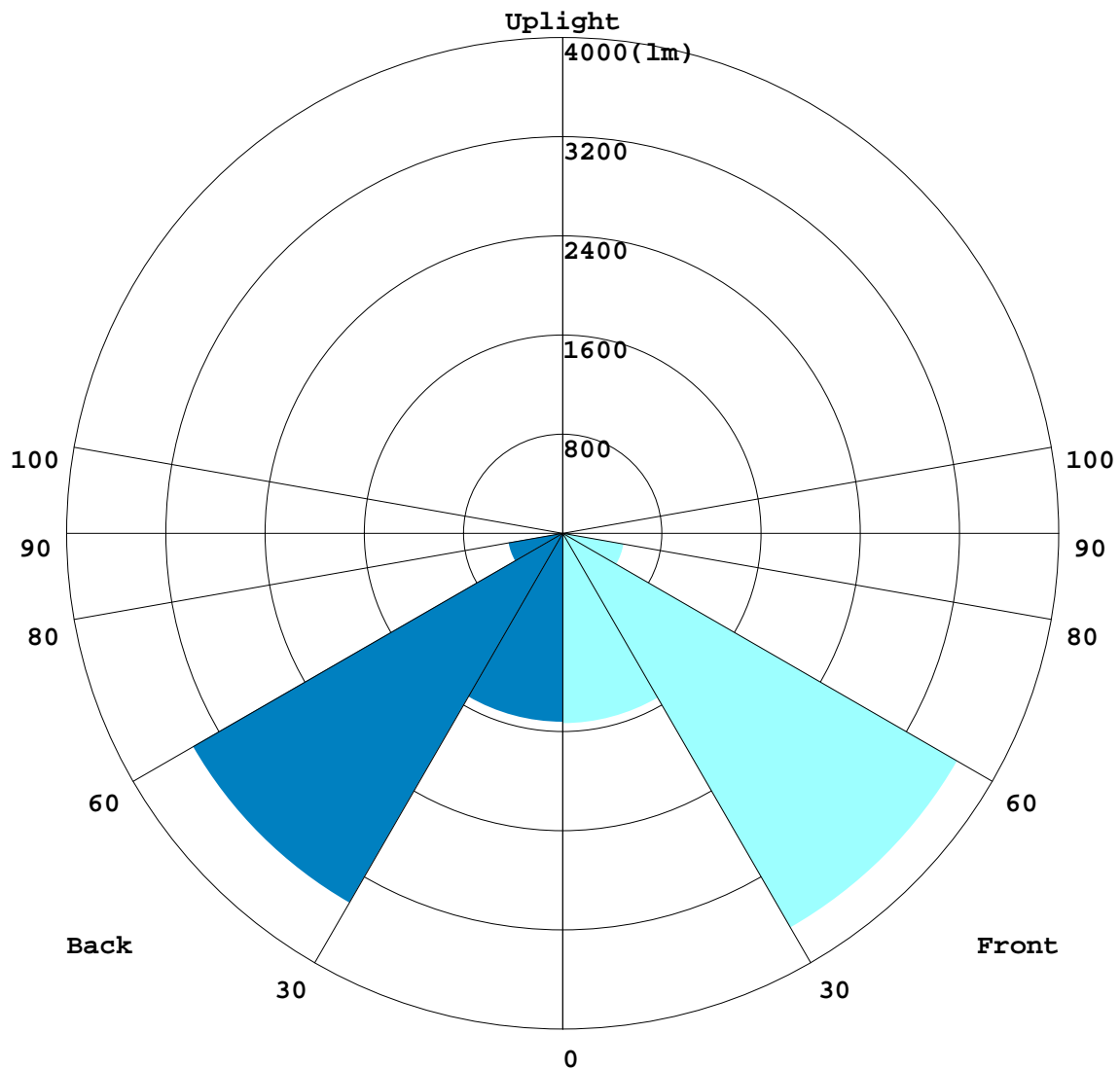


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2018

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: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: 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: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)	1534	13.7
FM - Front-Medium(30-60)	3675.3	32.8
FH - Front-High(60-80)	499.81	4.5
FVH - Front-Very High(80-90)	48.849	0.4
Total Forward Light	5757.9	51.4

BL - Back-Low(0-30)	1521.6	13.6
BM - Back-Medium(30-60)	3442.6	30.7
BH - Back-High(60-80)	442.89	4.0
BVH - Back-Very High(80-90)	34.766	0.3
Total Back Light	5441.9	48.6

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-G1
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5441.9	0	5441.9
Street Side	5757.9	0	5757.9

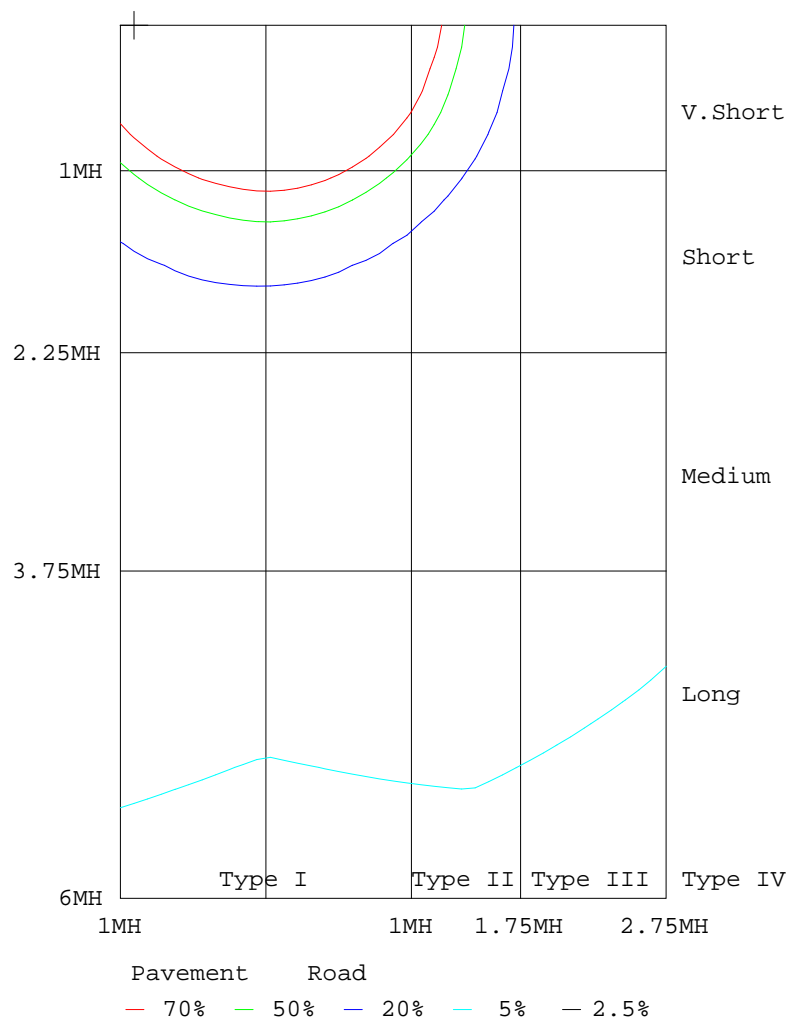
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018

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: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: 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:

```

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:

```