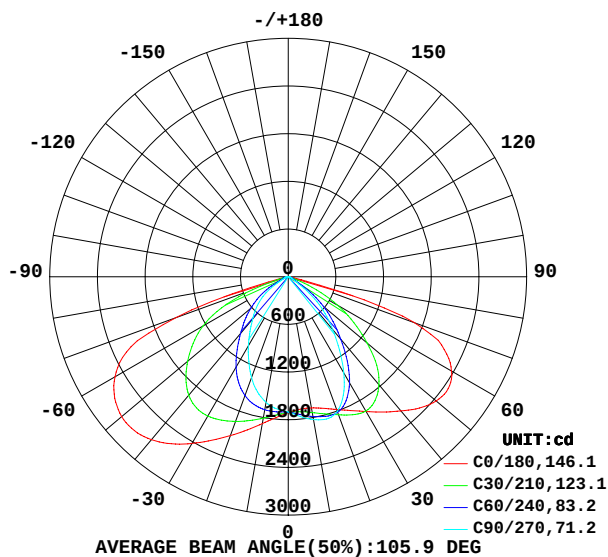
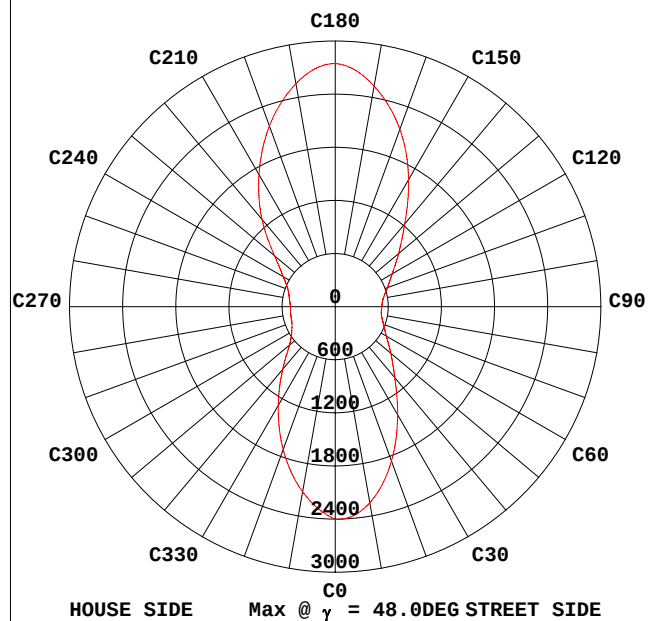


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:30.85V I:1.300A P:40.11W PF:1.000 Freq:49.99Hz Lamp Flux:5132.18x1 lm		
NAME: YF-40W-E	TYPE:LED	WEIGHT:
SPEC.:YF-40W-E	DIM.:	SERIAL No.:1
MFR.: ShenZhen Yufai Aurora Optoelectronic Co., Ltd.	SR.:260*70	Shielding Angle:

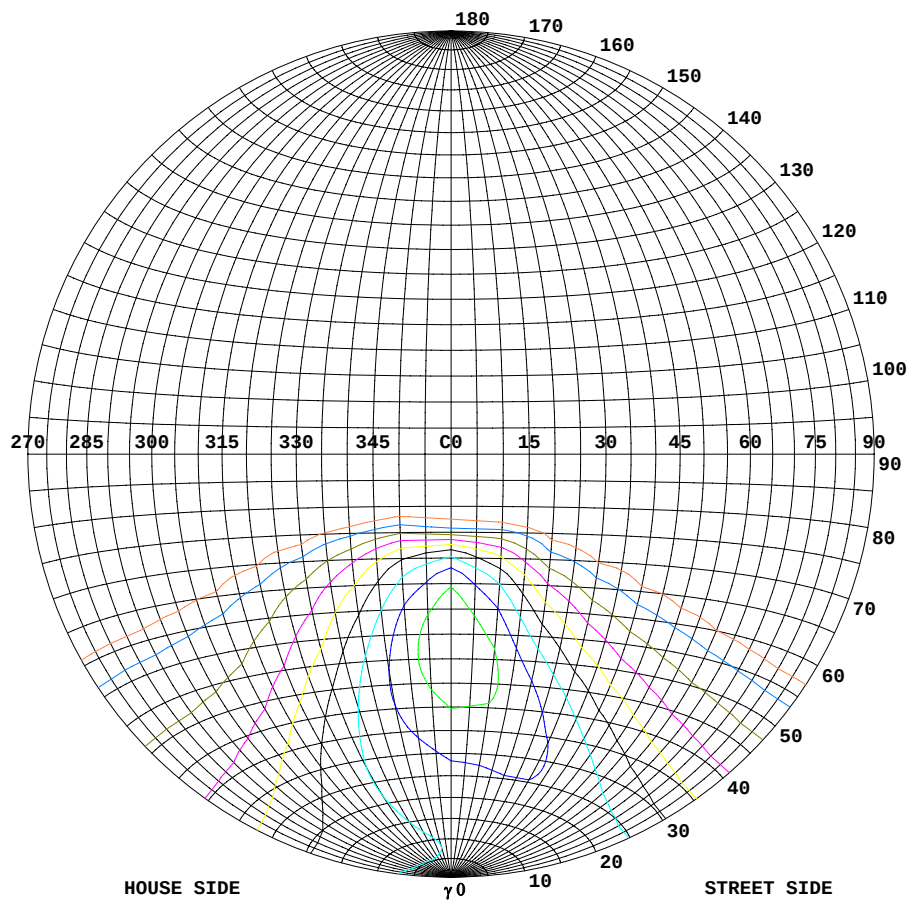
DATA OF LAMP		PHOTOMETRIC DATA Eff: 127.96 lm/W			
MODEL		I _{max} (cd)	2746	η street_up(%)	0.0
NOMINAL POWER(W)	40	LOR(%)	100.0	η street_down(%)	50.5
RATED VOLTAGE(V)	30	TOTAL FLUX(lm)	5132	η house_up(%)	0.0
NOMINAL FLUX(lm)	5132.18	MAXIMUM @(C,γ)	180,48.0	η house_down(%)	49.5
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	30	η down(%)	100.0	SLI	17.058

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:XYM
Test Date:2018-09-06

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:10.230m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM



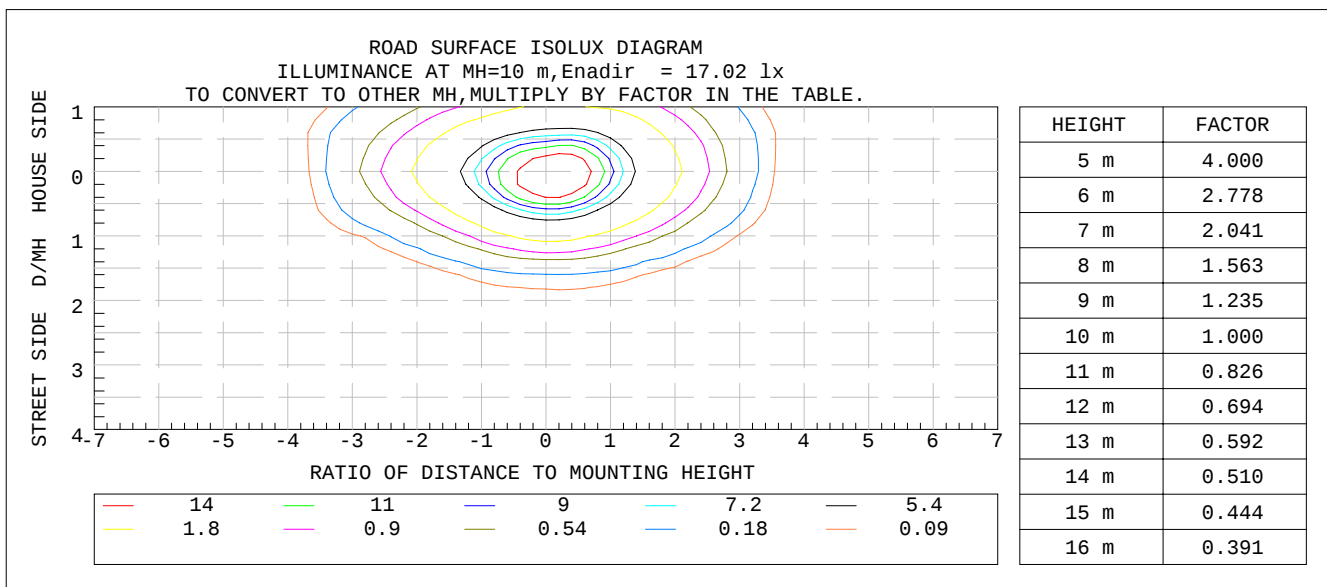
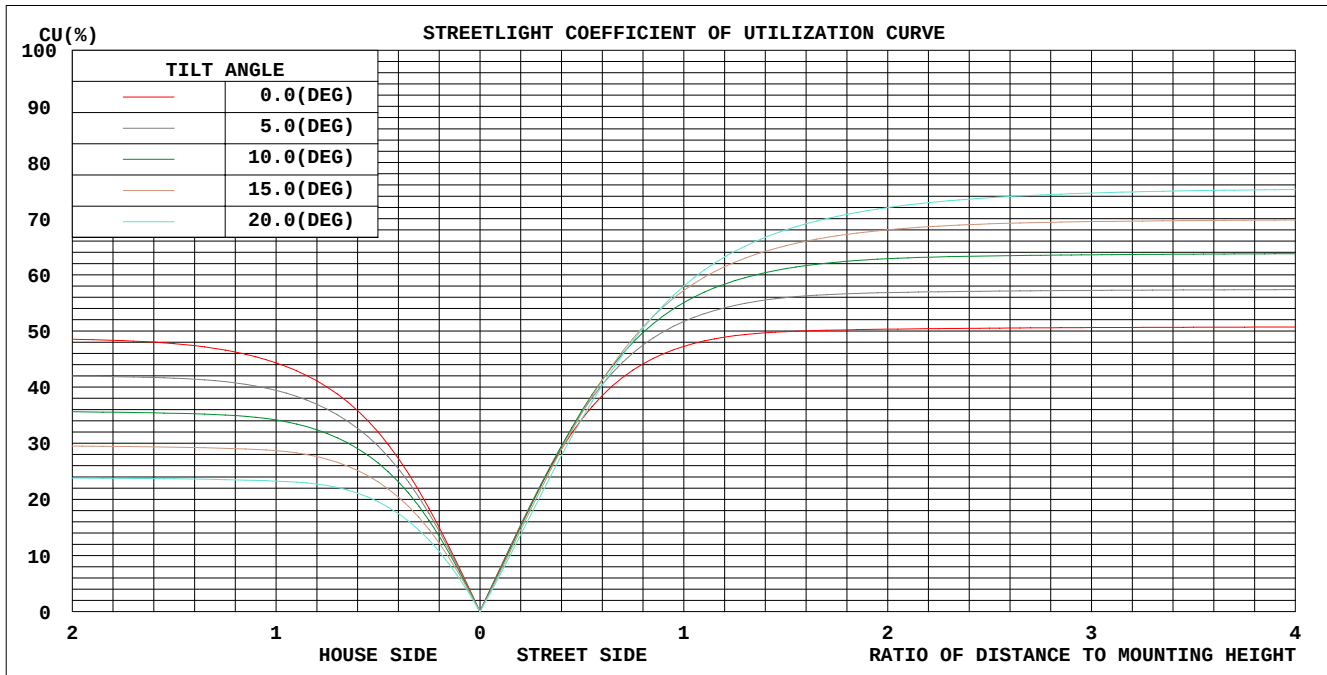
Classification:

IES:Type I - Short
CIE:Narrow - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:10.72cd/klm
Max.At90:1.238cd/klm
Max.80-90:10.72cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2746
90%	2472
80%	2197
70%	1922
60%	1648
50%	1373
40%	1098
30%	824
20%	549
10%	275
5%	137

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:XYM
Test Date:2018-09-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:10.230m [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: XYM
Test Date: 2018-09-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity: 65.0%
Test Distance: 10.230m [K=1.0000]
Remarks:

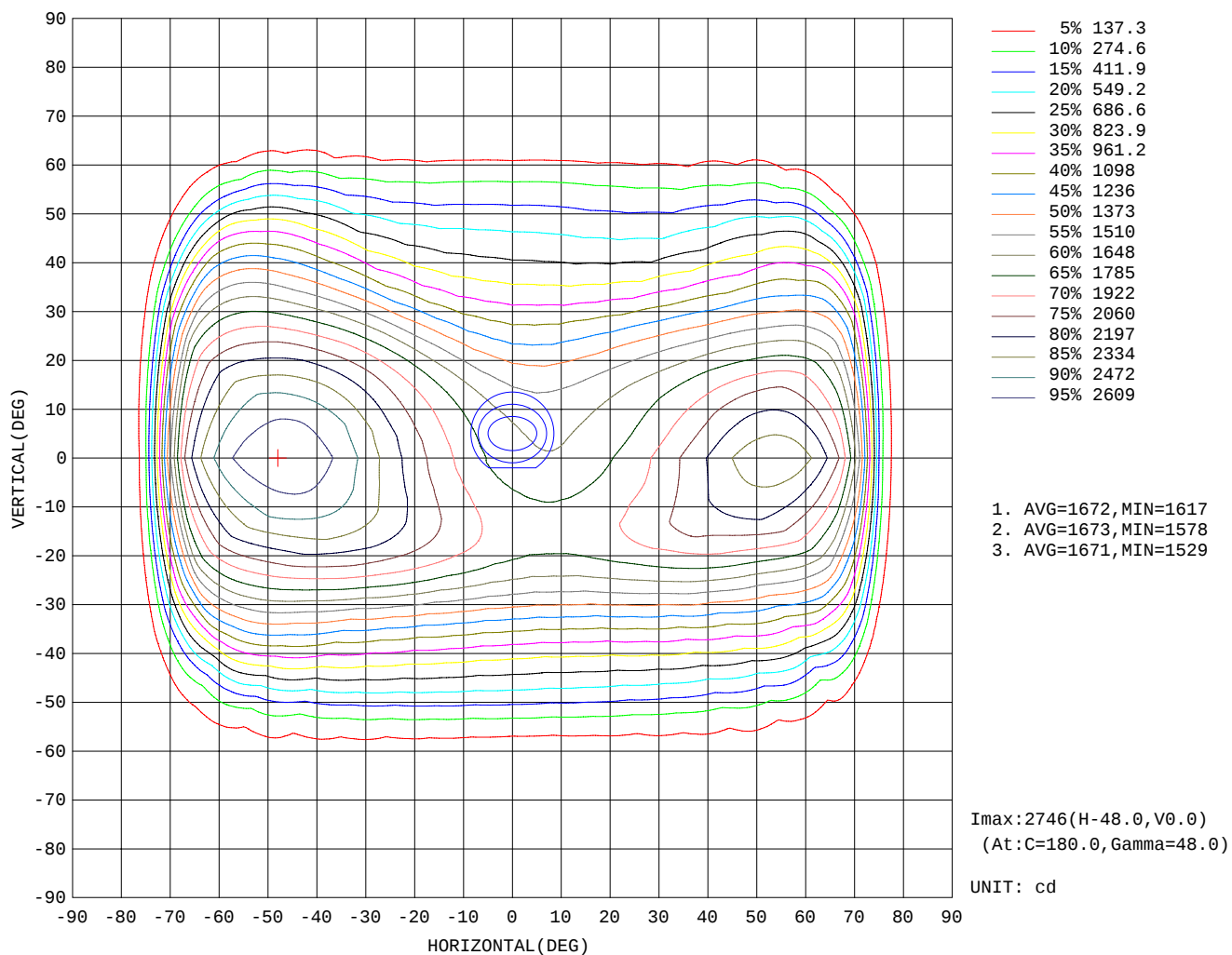
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum, lamp
10	1677	1763	1825	1886	1876	1755	1607	1612	0- 10	165.2	165.2	3.22, 3.22
20	1777	1843	1804	2044	2126	1774	1352	1537	10- 20	502.7	667.9	13, 13
30	1959	1749	1401	1950	2422	1669	1004	1385	20- 30	807.5	1475	28.7, 28.7
40	2205	1347	875.3	1512	2676	1389	699.5	1087	30- 40	993.4	2469	48.1, 48.1
50	2431	833.4	434.4	973.1	2737	1017	456.1	734.8	40- 50	1023	3491	68, 68
60	2371	325.1	92.44	397.5	2517	612.4	158.4	430.5	50- 60	879.9	4371	85.2, 85.2
70	1687	74.60	49.40	83.28	1498	143.0	53.68	105.0	60- 70	584.5	4956	96.6, 96.6
80	54.44	26.69	18.28	29.32	51.03	44.57	31.08	40.77	70- 80	160.6	5116	99.7, 99.7
90	3.733	1.496	0.8909	1.427	5.038	3.080	1.763	2.764	80- 90	15.94	5132	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: XYM
 Test Date: 2018-09-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.354
 Humidity: 65.0%
 Test Distance: 10.230m [K=1.0000]
 Remarks:

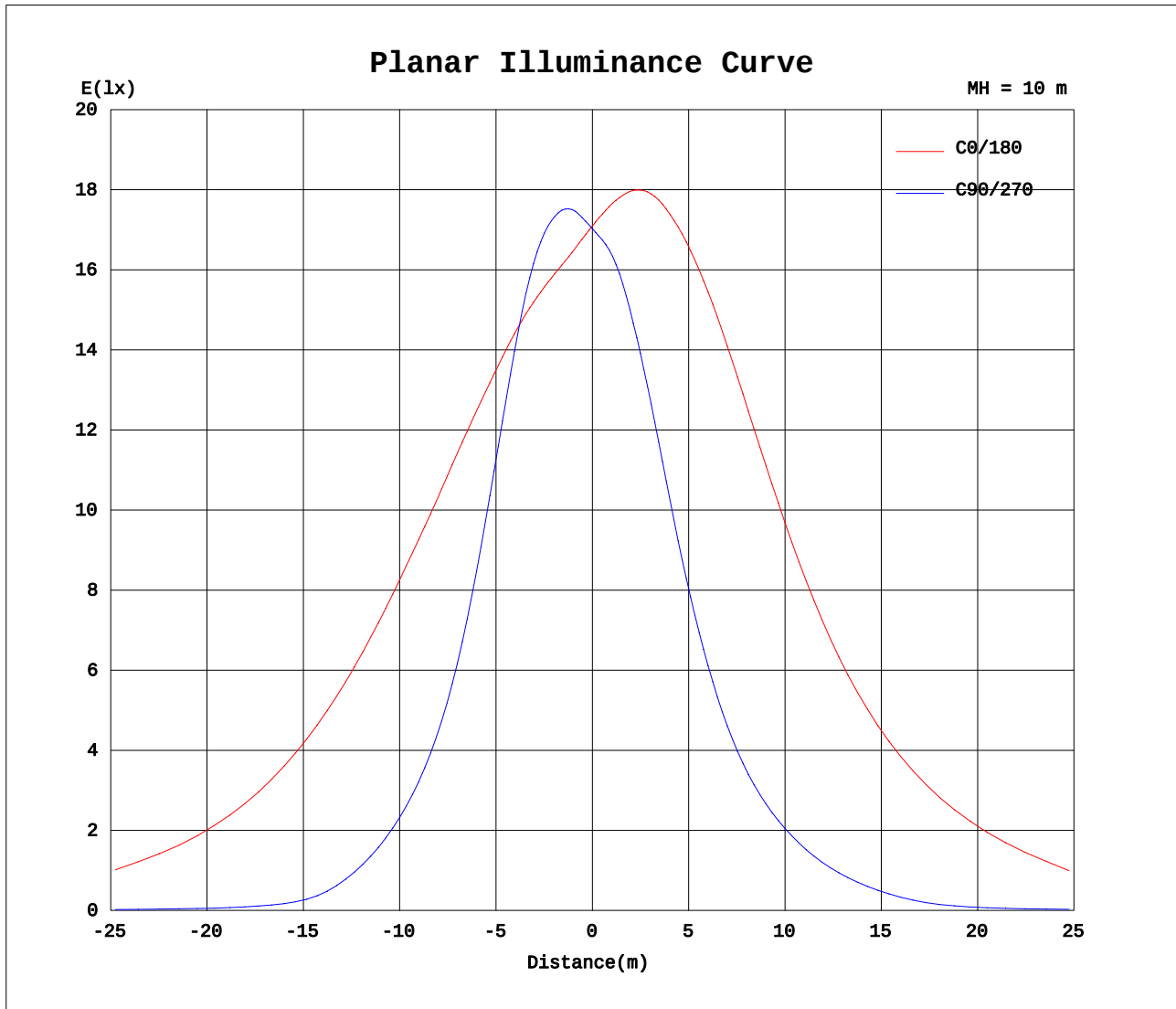
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:XYM
Test Date:2018-09-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:10.230m [K=1.0000]
Remarks:

Planar Illuminance Curve



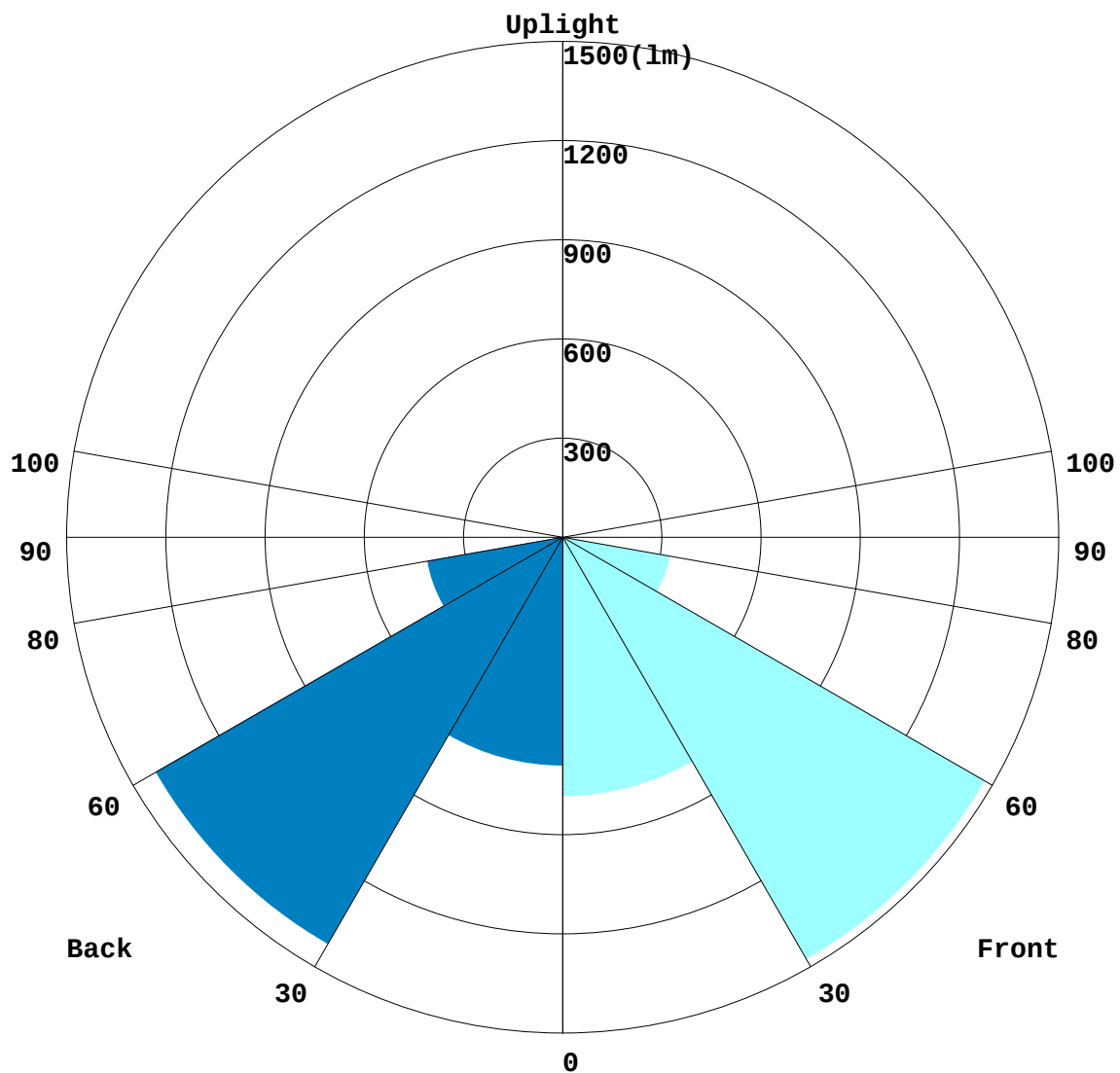
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: XYM
Test Date: 2018-09-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity: 65.0%
Test Distance: 10.230m [K=1.0000]
Remarks:

LCS REPORT

Test:U:30.85V I:1.300A P:40.11W PF:1.000 Freq:49.99Hz Lamp Flux:5132.18x1 lm		
NAME: YF-40W-E	TYPE:LED	WEIGHT:
SPEC.:YF-40W-E	DIM.:	SERIAL No.:1
MFR.: ShenZhen Yufai Aurora Optoelectronic Co., Ltd	SIZE:260*70	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:XYM
 Test Date:2018-09-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:10.230m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:30.85V I:1.300A P:40.11W PF:1.000 Freq:49.99Hz Lamp Flux:5132.18x1 lm		
NAME: YF-40W-E	TYPE:LED	WEIGHT:
SPEC.:YF-40W-E	DIM.:	SERIAL No.:1
MFR.: ShenZhen Yufai Aurora Optoelectronic Co., Ltd	UR.:260*70	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	783.82	15.3
FM - Front-Medium(30-60)	1474.4	28.7
FH - Front-High(60-80)	329.34	6.4
FVH - Front-Very High(80-90)	6.0246	0.1
Total Forward Light	2593.6	50.5

BL - Back-Low(0-30)	691.55	13.5
BM - Back-Medium(30-60)	1421.3	27.7
BH - Back-High(60-80)	415.79	8.1
BVH - Back-Very High(80-90)	9.9113	0.2
Total Back Light	2538.6	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	B2-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2538.6	0	2538.6
Street Side	2593.6	0	2593.6

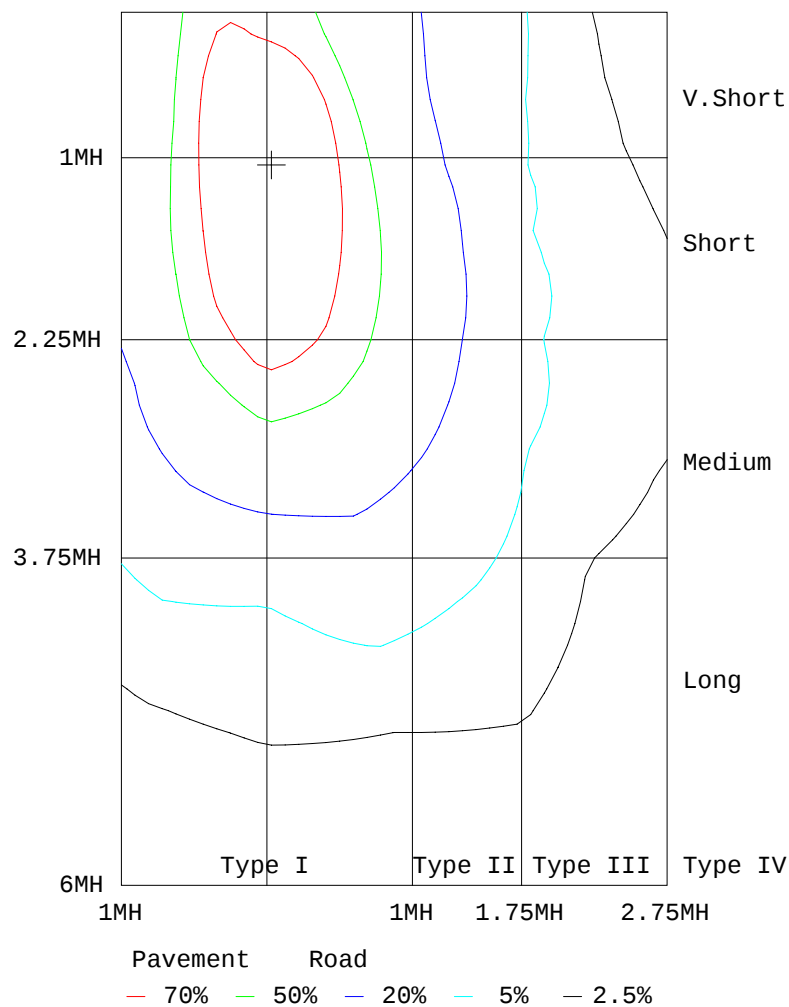
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:XYM
Test Date:2018-09-06

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:10.230m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:30.85V I:1.300A P:40.11W PF:1.000 Freq:49.99Hz Lamp Flux:5132.18x1 lm		
NAME: YF-40W-E	TYPE:LED	WEIGHT:
SPEC.:YF-40W-E	DIM.:	SERIAL No.:1
MFR.: ShenZhen Yufai Aurora Optoelectronic Co., Ltd	SR.:260*70	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:XYM
 Test Date:2018-09-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:10.230m [K=1.0000]
 Remarks:

```

Range: 0 - 90DEG
Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:10.230m [K=1.0000]
Remarks:

```

```

Range: 0 - 90DEG
Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:10.230m [K=1.0000]
Remarks:

```