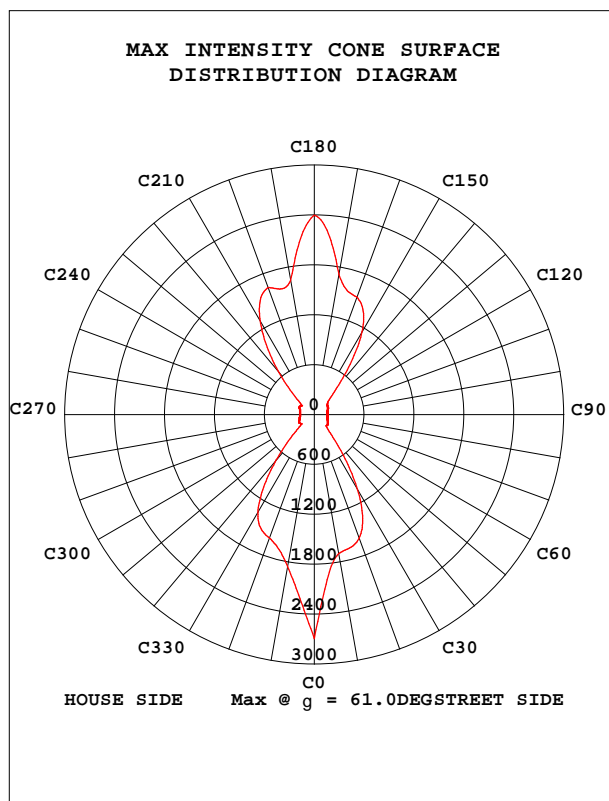
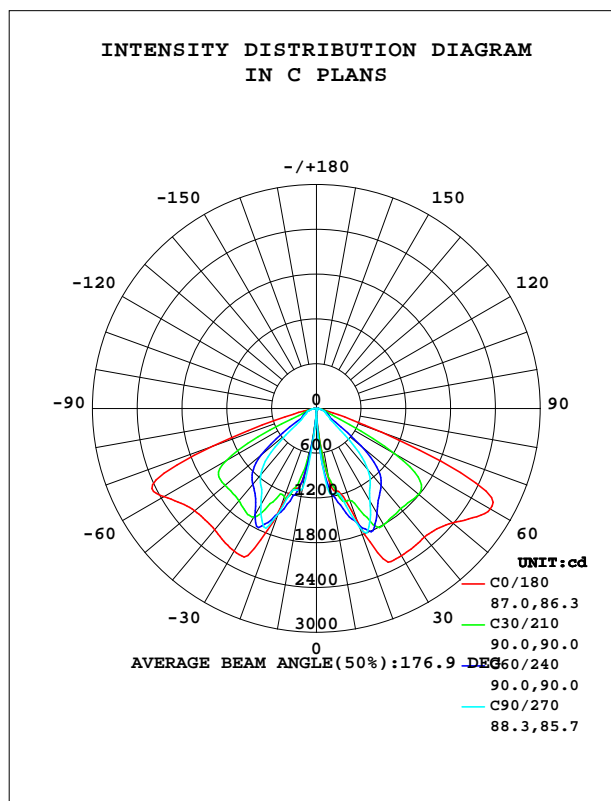


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.80V I:0.1973A P:41.360W PF:0.9538 Freq:49.99Hz Lamp Flux:4875.36x1 lm		
NAME: HYDD-LED25	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 浙江宏源灯具有限公司	SUR.:0.025	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 117.88 lm/W			
MODEL		Imax(cd)	2695	h street_up(%)	0.0
NOMINAL POWER(W)	40	LOR(%)	100.0	h street_down(%)	49.0
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	4875	h house_up(%)	0.0
NOMINAL FLUX(lm)	4875.36	MAXIMUM @(C,g)	0,61.0	h house_down(%)	51.0
LAMPS INSIDE	1	h up(%)	0.0	76 FLASHAREA(m2)	0.02500
TEST VOLTAGE(V)	220	h down(%)	100.0	SLI	19.220

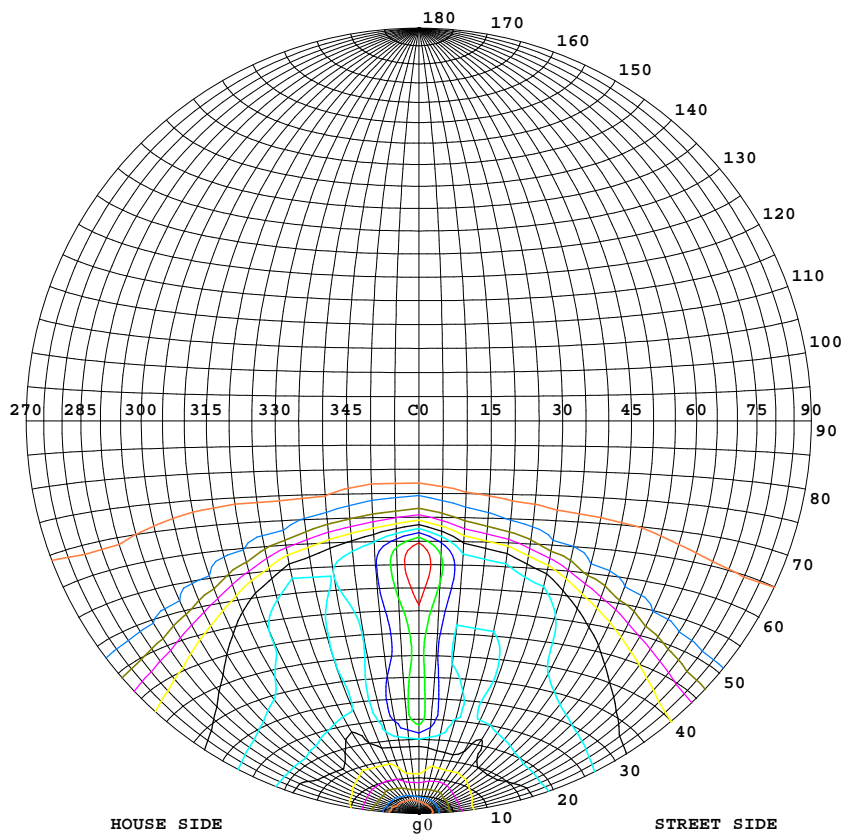


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HONGYUAN
Test Date:2018-11-13

g Range: 0 - 90DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.024m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.80V I:0.1973A P:41.360W PF:0.9538 Freq:49.99Hz Lamp Flux:4875.36x1 lm		
NAME: HYDD-LED25	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 浙江宏源灯具有限公司	SUR.:0.025	Shielding Angle:



Classification:

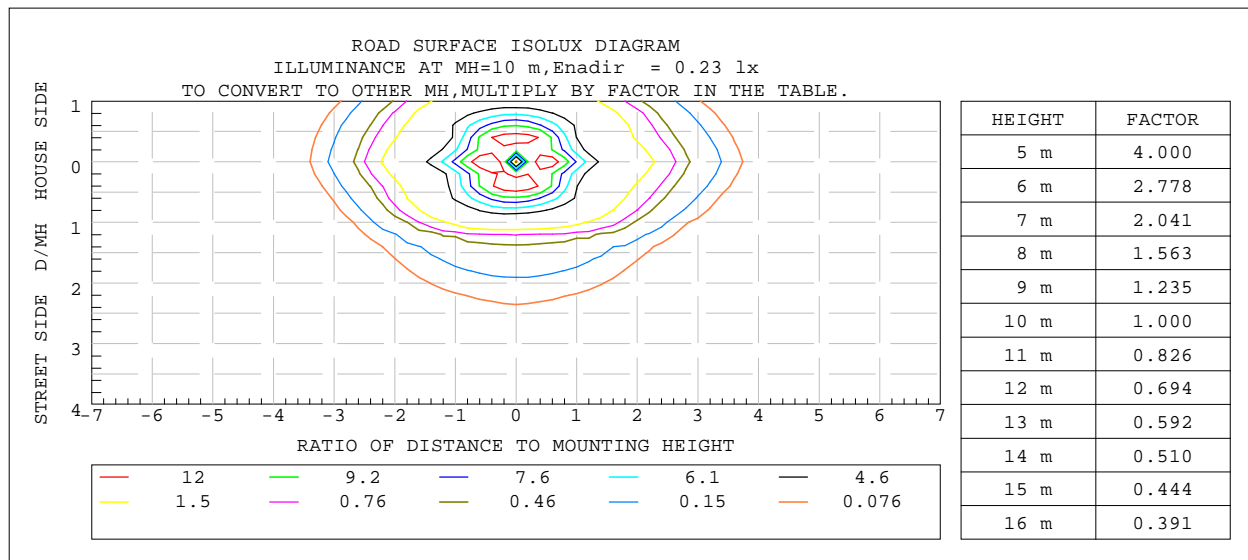
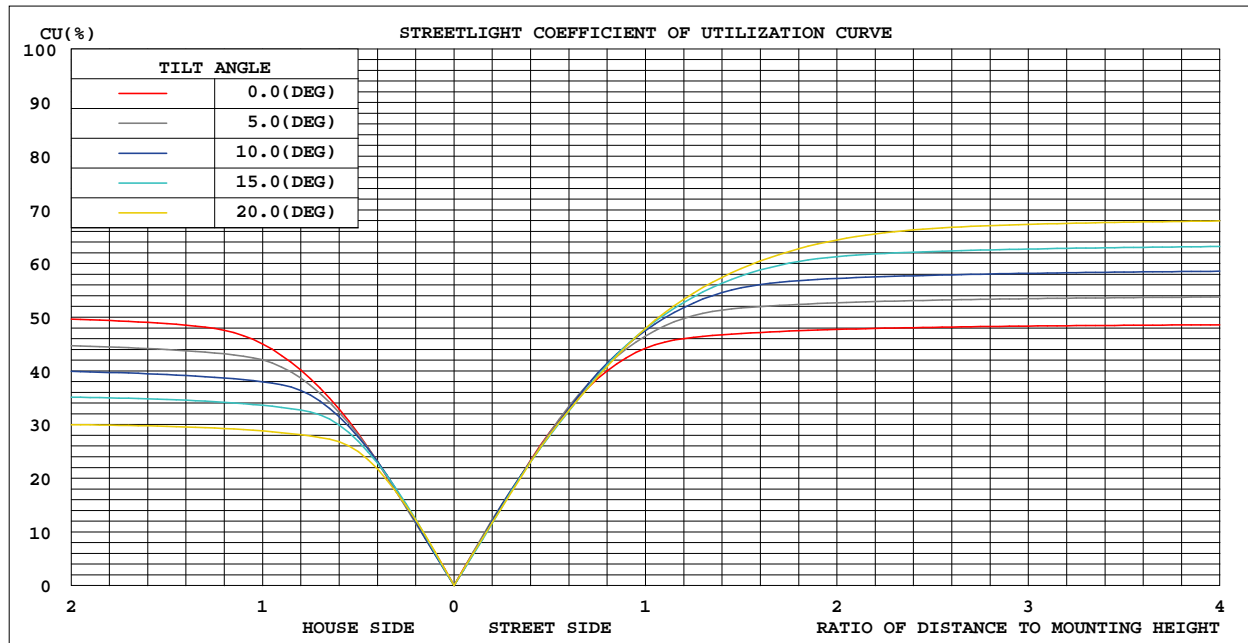
IES:Type V - Short
CIE:Narrow - Intermediate
IES:Cut-off
CIE:Full cut-off
Max.At80:19.73cd/klm
Max.At90:6.999cd/klm
Max.80-90:19.73cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	2695
90%	2425
80%	2156
70%	1886
60%	1617
50%	1347
40%	1078
30%	808
20%	539
10%	269
5%	135

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HONGYUAN
Test Date:2018-11-13

g Range: 0 - 90DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.024m [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: HONGYUAN
Test Date: 2018-11-13

g Range: 0 - 90DEG
g Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity: 65.0%
Test Distance: 8.024m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:219.80V I:0.1973A P:41.360W PF:0.9538 Freq:49.99Hz Lamp Flux:4875.36x1 lm		
NAME: HYDD-LED25	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 浙江宏源灯具有限公司	SUR.:0.025	Shielding Angle:

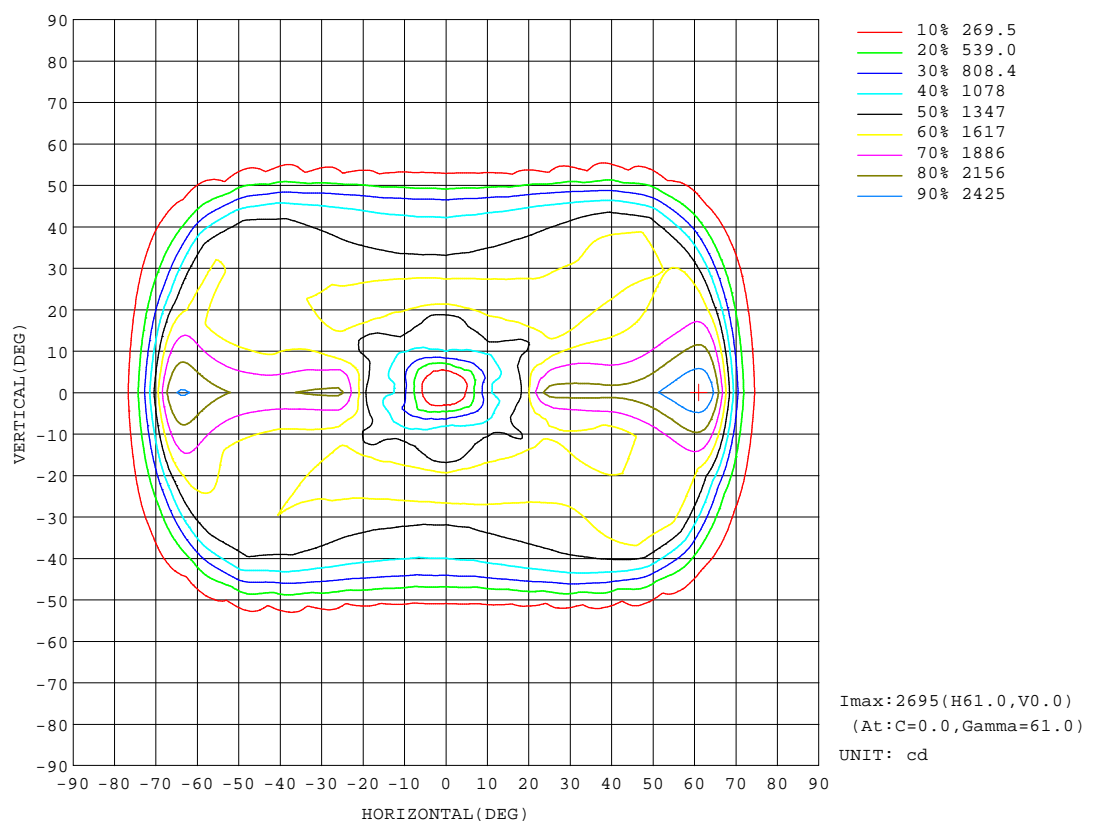
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	960.5	1022	1162	890.2	853.5	731.6	1085	853.9	0- 10	52.00	52.00	1.07,1.07
20	1610	1517	1689	1483	1429	1367	1498	1448	10- 20	351.9	403.9	8.28,8.28
30	2278	1759	1436	1745	2207	1779	1490	1813	20- 30	775.4	1179	24.2,24.2
40	2251	1536	1078	1485	2121	1482	1162	1589	30- 40	982.0	2161	44.3,44.3
50	2385	1319	303.3	1240	2132	1347	438.3	1449	40- 50	1046	3207	65.8,65.8
60	2692	333.7	161.1	391.4	2362	539.5	186.3	576.8	50- 60	902.8	4110	84.3,84.3
70	932.1	138.3	113.1	140.6	1476	157.2	131.1	162.2	60- 70	572.0	4682	96,96
80	68.36	64.29	41.22	68.38	92.03	82.57	59.62	81.38	70- 80	153.4	4835	99.2,99.2
90	2.601	18.63	8.120	22.32	4.017	19.70	7.393	20.20	80- 90	40.14	4875	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:HONGYUAN
 Test Date:2018-11-13

g Range: 0 - 90DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:8.024m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

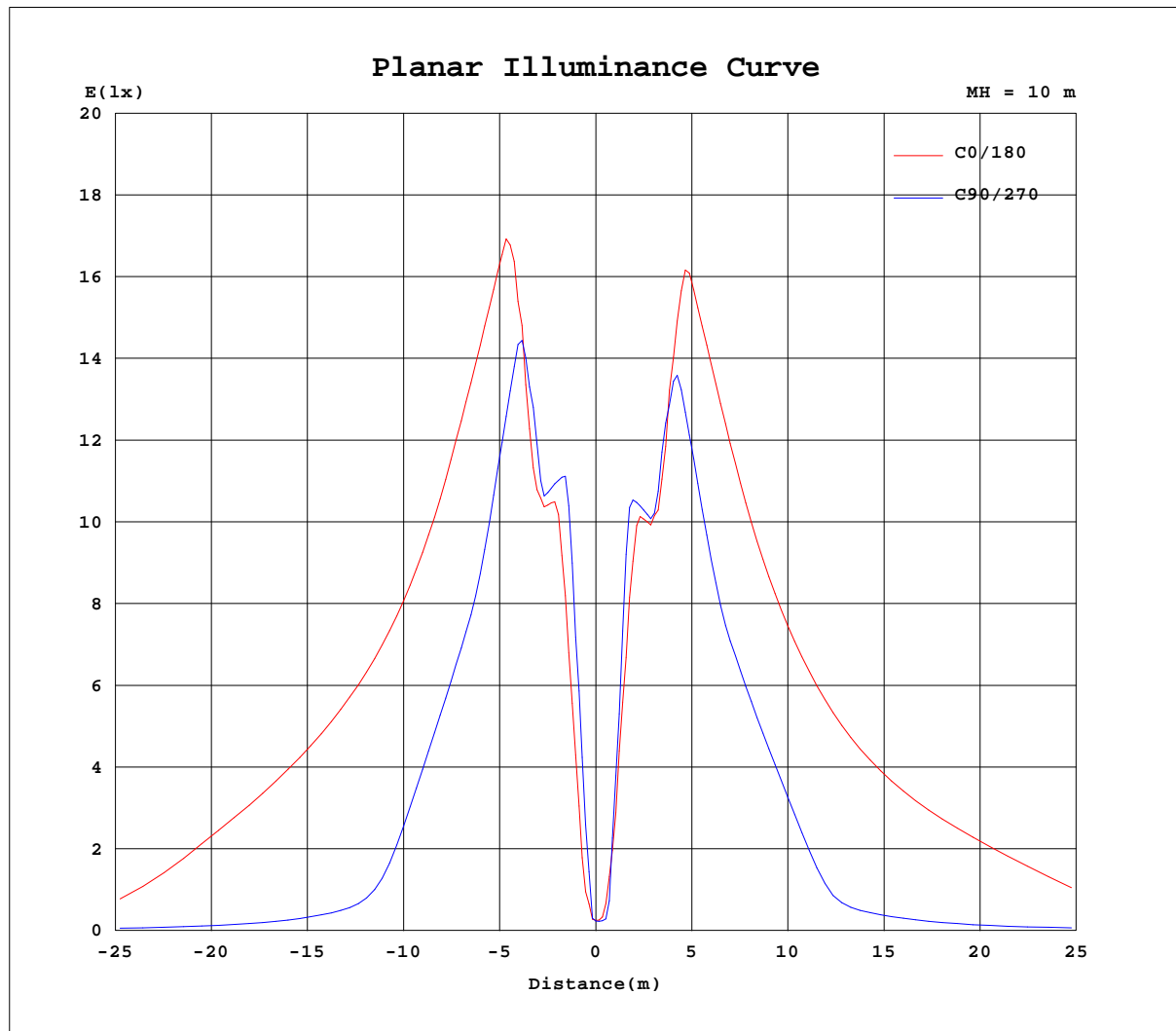
Test:U:219.80V I:0.1973A P:41.360W PF:0.9538 Freq:49.99Hz Lamp Flux:4875.36x1 lm		
NAME: HYDD-LED25	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 浙江宏源灯具有限公司	SUR.:0.025	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HONGYUAN
Test Date:2018-11-13

g Range: 0 - 90DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.024m [K=1.0000]
Remarks:

Planar Illuminance Curve



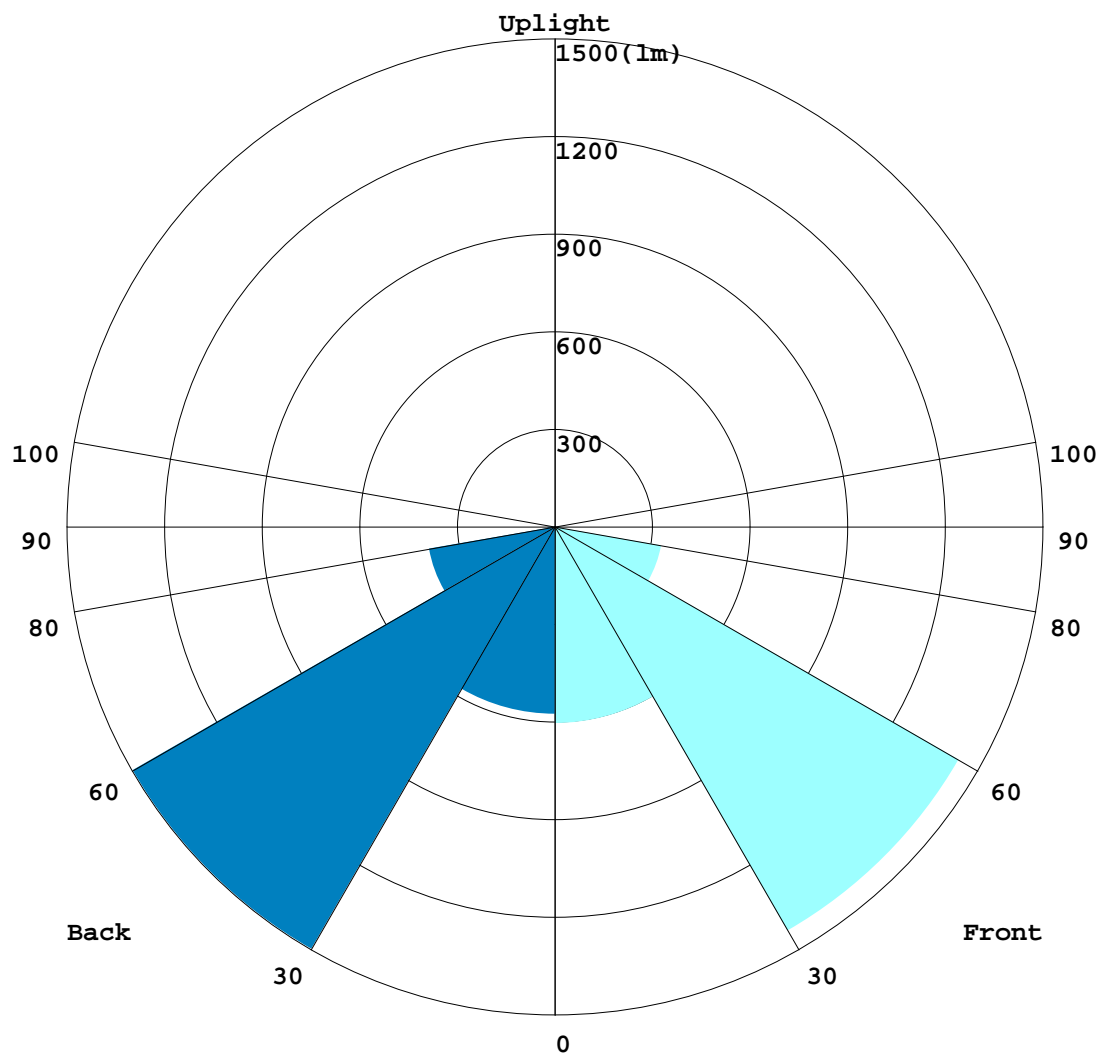
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: HONGYUAN
Test Date: 2018-11-13

g Range: 0 - 90DEG
g Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity: 65.0%
Test Distance: 8.024m [K=1.0000]
Remarks:

LCS REPORT

Test:U:219.80V I:0.1973A P:41.360W PF:0.9538 Freq:49.99Hz Lamp Flux:4875.36x1 lm		
NAME: HYDD-LED25	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 浙江宏源灯具有限公司	SUR.:0.025	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HONGYUAN
Test Date:2018-11-13

g Range: 0 - 90DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.024m [K=1.0000]
Remarks:

BUG REPORT

Test:U:219.80V I:0.1973A P:41.360W PF:0.9538 Freq:49.99Hz Lamp Flux:4875.36x1 lm		
NAME: HYDD-LED25	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 浙江宏源灯具有限公司	SUR.:0.025	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	603.48	12.4
FM - Front-Medium(30-60)	1432.8	29.4
FH - Front-High(60-80)	332.85	6.8
FVH - Front-Very High(80-90)	17.558	0.4
Total Forward Light	2386.7	49.0

BL - Back-Low(0-30)	575.77	11.8
BM - Back-Medium(30-60)	1497.7	30.7
BH - Back-High(60-80)	392.58	8.1
BVH - Back-Very High(80-90)	22.582	0.5
Total Back Light	2488.6	51.0

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	2488.6	0	2488.6
Street Side	2386.7	0	2386.7

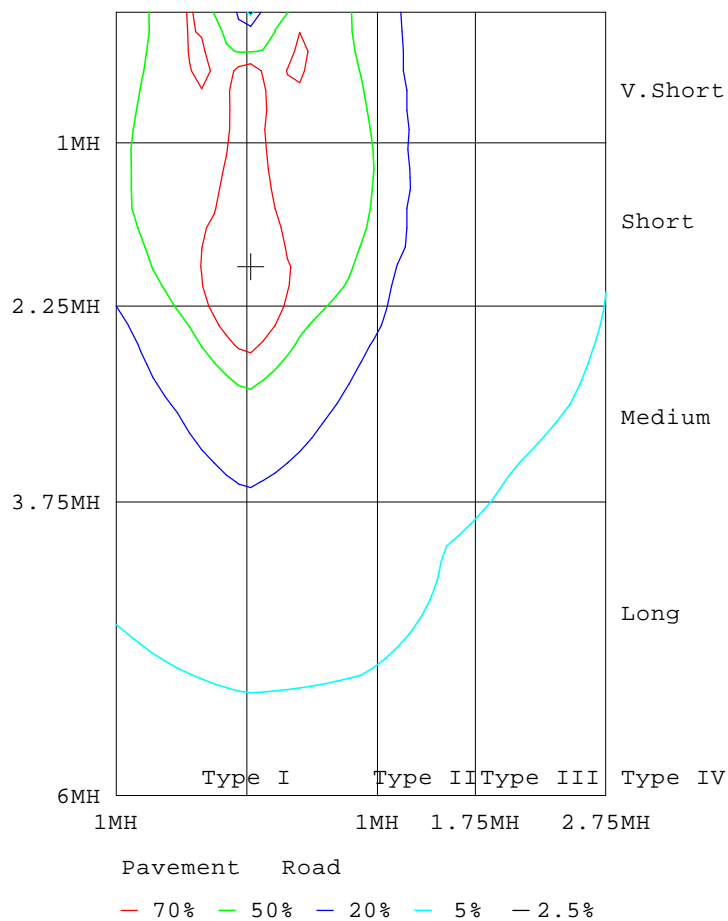
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:HONGYUAN
 Test Date:2018-11-13

g Range: 0 - 90DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:8.024m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:219.80V I:0.1973A P:41.360W PF:0.9538 Freq:49.99Hz Lamp Flux:4875.36x1 lm		
NAME: HYDD-LED25	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 浙江宏源灯具有限公司	SUR.:0.025	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:HONGYUAN
 Test Date:2018-11-13

g Range: 0 - 90DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:8.024m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.80V I:0.1973A P:41.360W PF:0.9538 Freq:49.99Hz Lamp Flux:4875.36x1 lm		
NAME: HYDD-LED25	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 浙江宏源灯具有限公司	SUR.:0.025	Shielding Angle:

UNIT: cd

[illegible]

```
g Range: 0 - 90DEG
g Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity: 65.0%
Test Distance: 8.024m [K=1.0000]
Remarks:
```

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.80V I:0.1973A P:41.360W PF:0.9538 Freq:49.99Hz Lamp Flux:4875.36x1 lm		
NAME: HYDD-LED25	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 浙江宏源灯具有限公司	SUR.:0.025	Shielding Angle:

UNIT: cd

[illegible]

```
g Range: 0 - 90DEG
g Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity: 65.0%
Test Distance: 8.024m [K=1.0000]
Remarks:
```