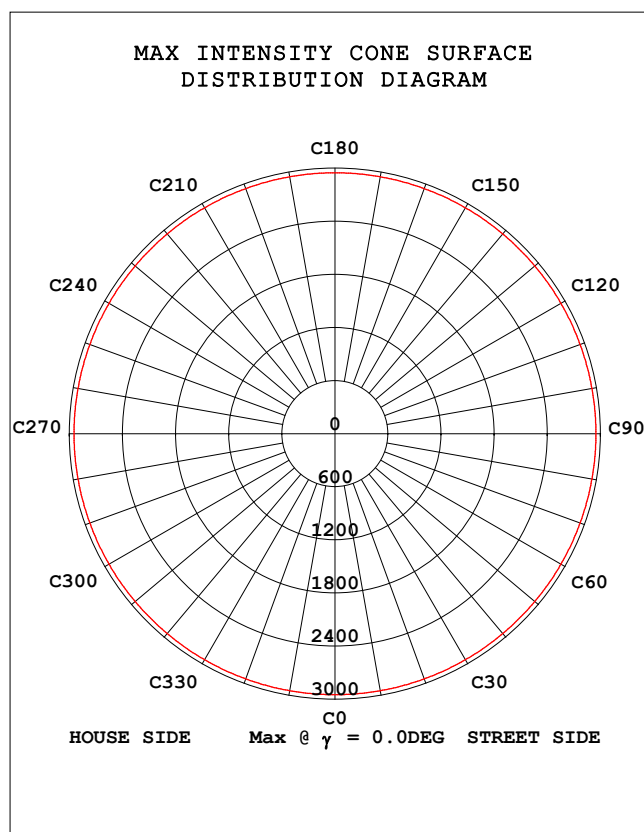
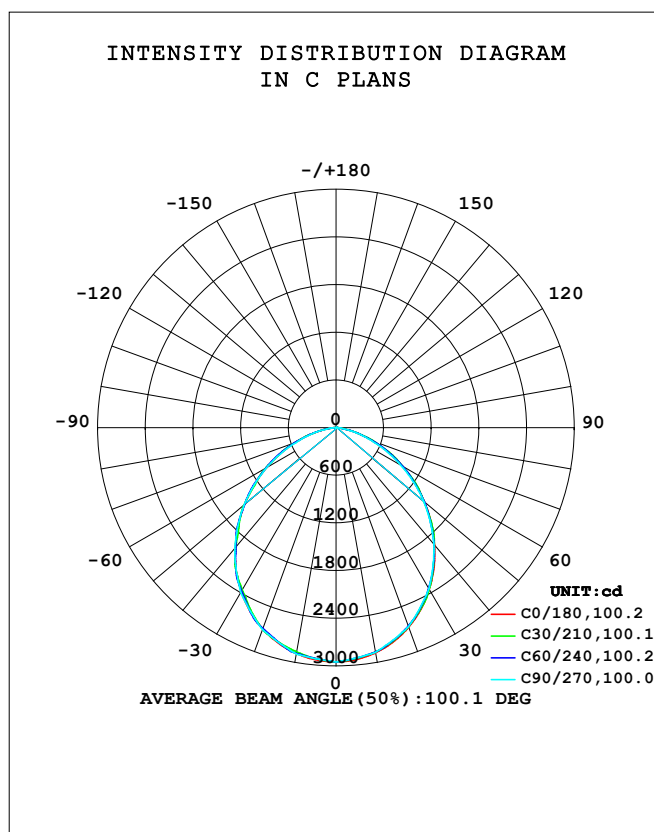


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.09V I:0.4909A P:58.534W PF:0.9928 Freq:59.98Hz Lamp Flux:7131.6x1 lm		
NAME: LED Area Light	TYPE:Arealight	WEIGHT:N/A
SPEC.:60W/5000K	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 121.84 lm/W			
MODEL	LED-H-60-V01-RZ-T5-1-FG	Imax (cd)	2948	η street_up (%)	0.0
NOMINAL POWER (W)	60	LOR (%)	100.0	η street_down (%)	49.2
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	7132	η house_up (%)	0.0
NOMINAL FLUX (lm)	7131.6	MAXIMUM @ (C, γ)	0,0.0	η house_down (%)	50.8
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	120	η down (%)	100.0	SLI	18.396

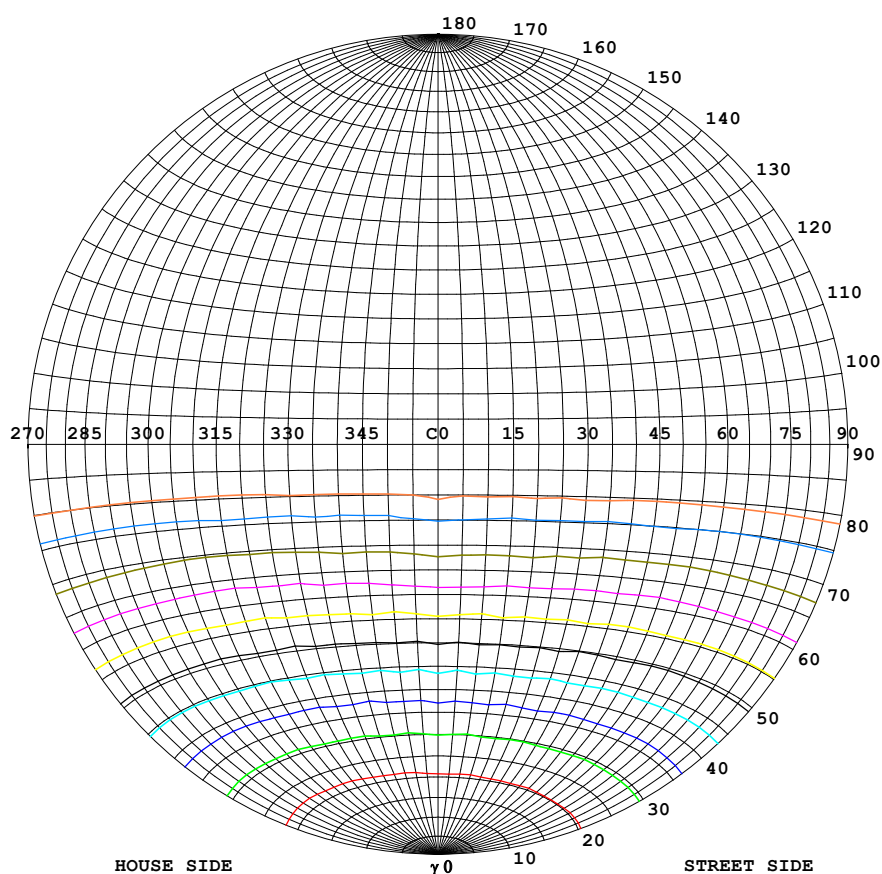


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:16 May 2019

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:120.09V I:0.4909A P:58.534W PF:0.9928 Freq:59.98Hz Lamp Flux:7131.6x1 lm		
NAME: LED Area Light	TYPE:Arealight	WEIGHT:N/A
SPEC.:60W/5000K	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



Classification:

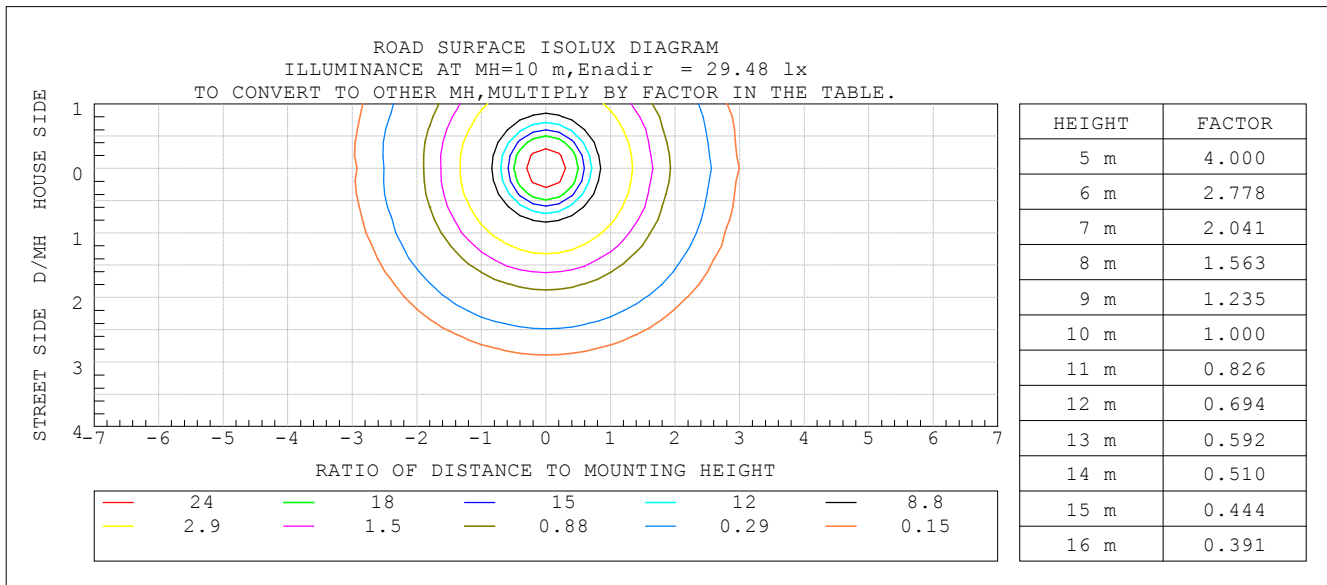
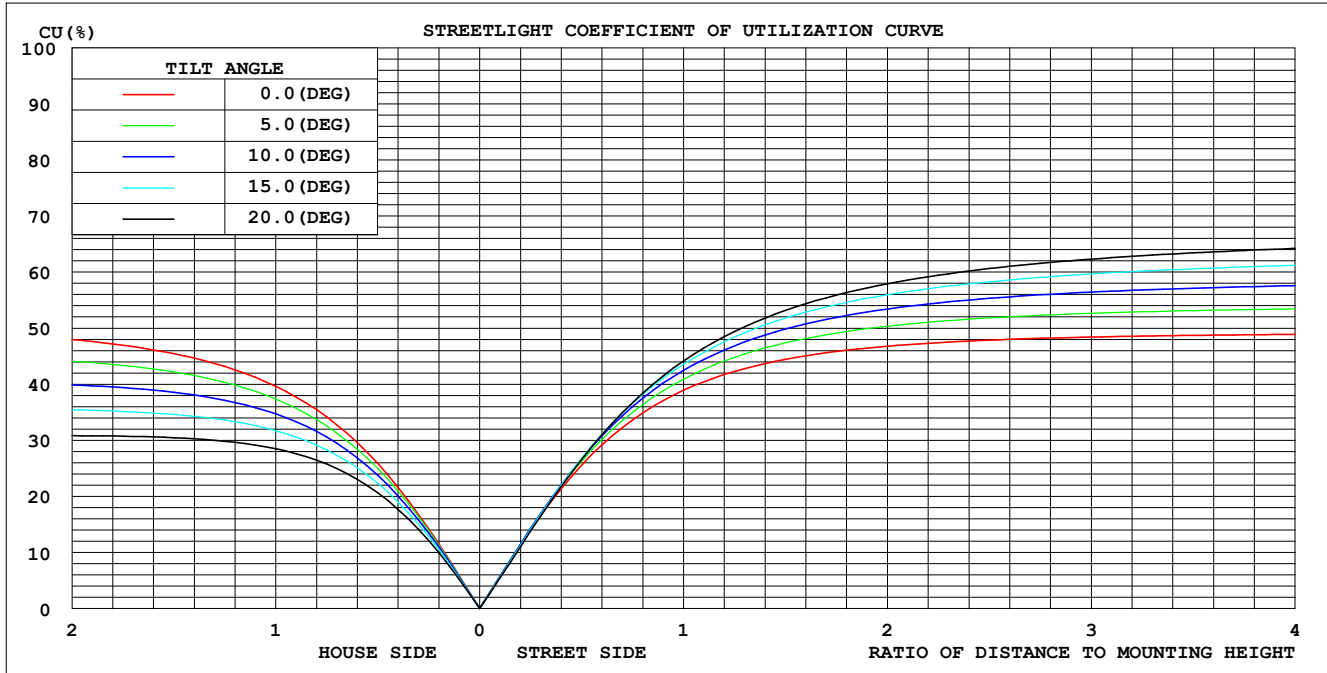
IES:Type V - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:23.24cd/klm
Max.At90:0.2439cd/klm
Max.80-90:23.24cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2948
90%	2653
80%	2358
70%	2064
60%	1769
50%	1474
40%	1179
30%	884
20%	590
10%	295
5%	147

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:16 May 2019

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:CL
 Test Date:16 May 2019

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:6.010m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

Test:U:120.09V I:0.4909A P:58.534W PF:0.9928 Freq:59.98Hz Lamp Flux:7131.6x1 lm		
NAME: LED Area Light	TYPE:Arealight	WEIGHT:N/A
SPEC.:60W/5000K	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

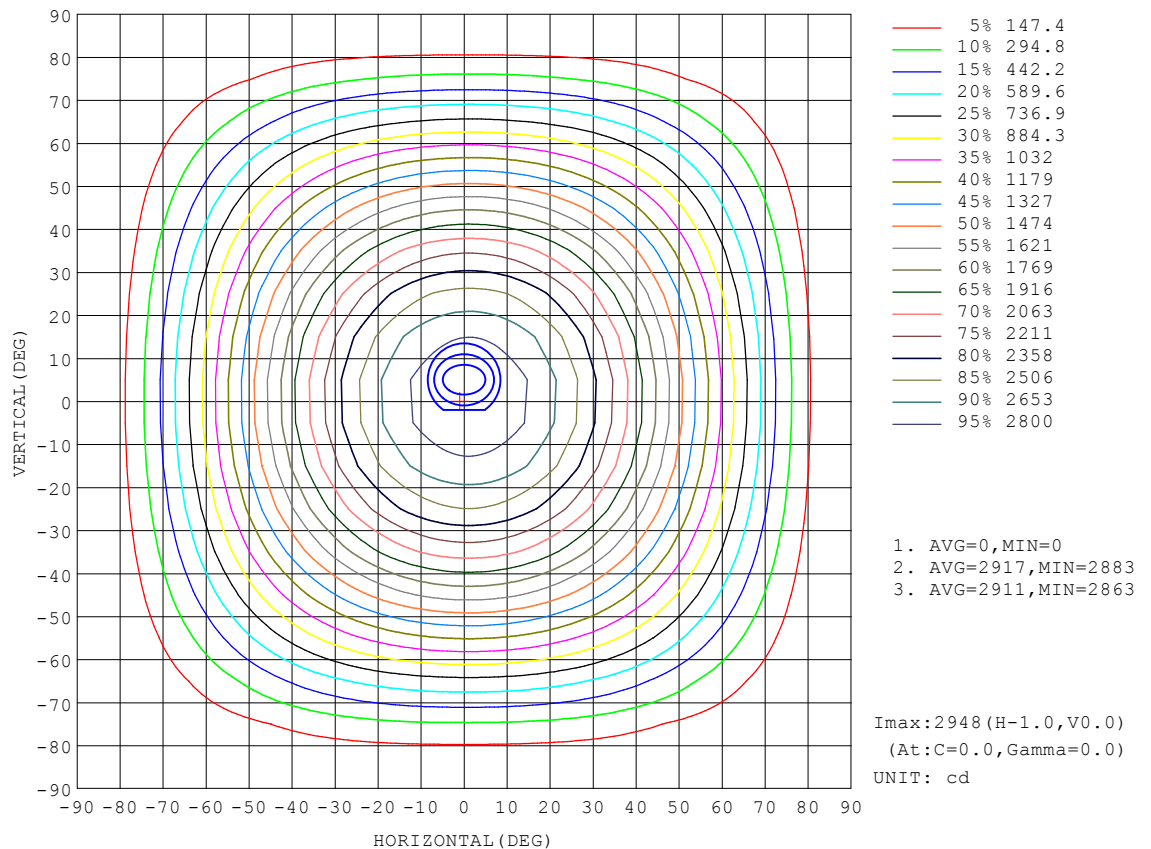
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	2877	2863	2871	2859	2887	2874	2892	2879	0- 10	277.1	277.1	3.89,3.89
20	2674	2664	2667	2649	2699	2677	2706	2696	10- 20	786.3	1063	14.9,14.9
30	2350	2338	2340	2341	2386	2381	2397	2382	20- 30	1165	2229	31.3,31.3
40	1930	1918	1918	1937	1975	1985	1984	1972	30- 40	1352	3581	50.2,50.2
50	1453	1444	1440	1470	1504	1522	1510	1502	40- 50	1323	4904	68.8,68.8
60	954.2	972.2	936.6	988.1	1010	1039	1011	1028	50- 60	1103	6007	84.2,84.2
70	485.2	515.8	458.7	520.6	539.3	567.5	516.7	568.3	60- 70	744.7	6752	94.7,94.7
80	121.0	133.0	103.5	133.9	160.0	159.6	143.6	165.7	70- 80	337.7	7089	99.4,99.4
90	1.739	0	0	0	1.509	0	0	0	80- 90	42.34	7132	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		

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:16 May 2019

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

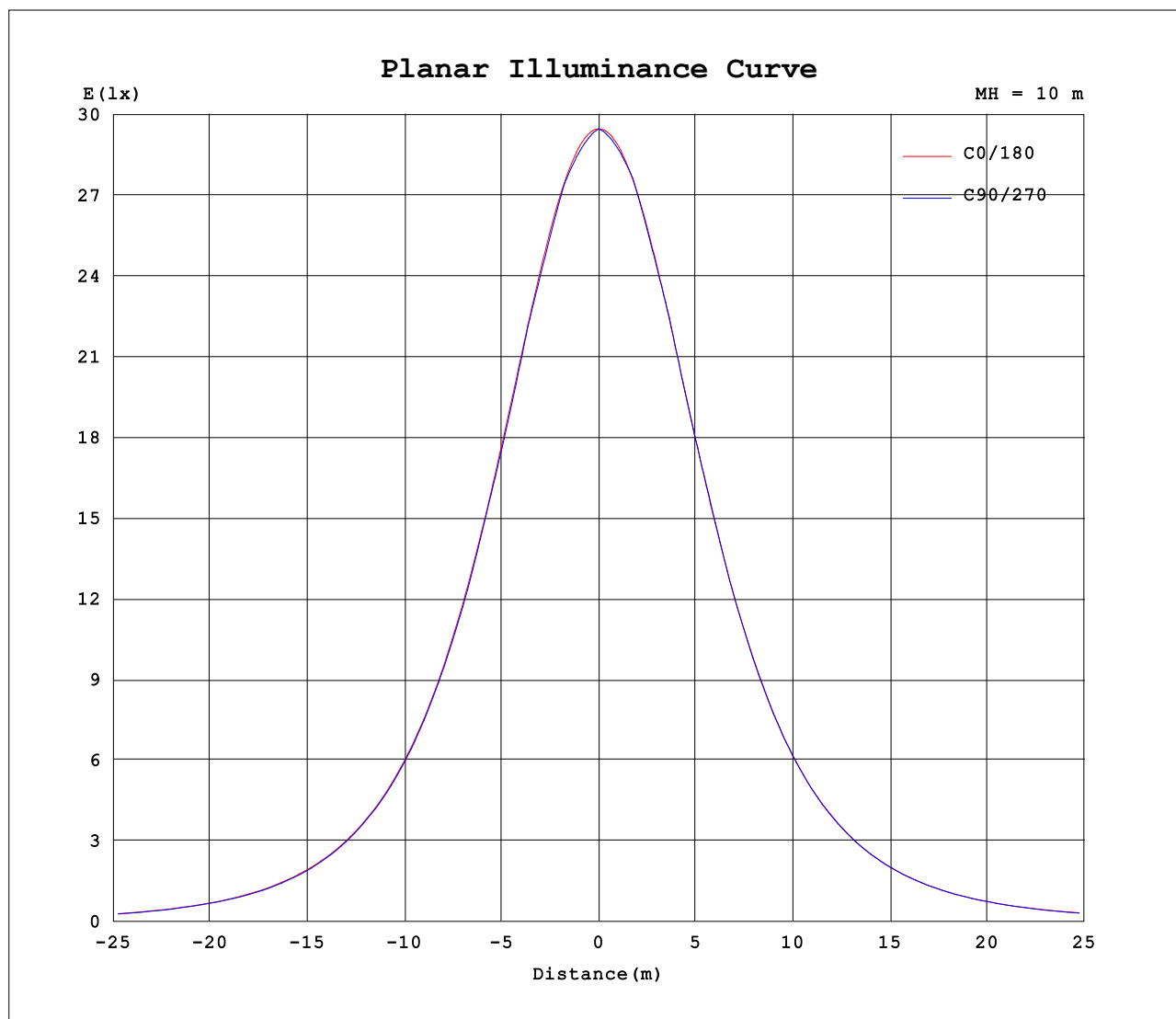
Test:U:120.09V I:0.4909A P:58.534W PF:0.9928 Freq:59.98Hz Lamp Flux:7131.6x1 lm		
NAME: LED Area Light	TYPE:Arealight	WEIGHT:N/A
SPEC.:60W/5000K	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:16 May 2019

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:

Planar Illuminance Curve



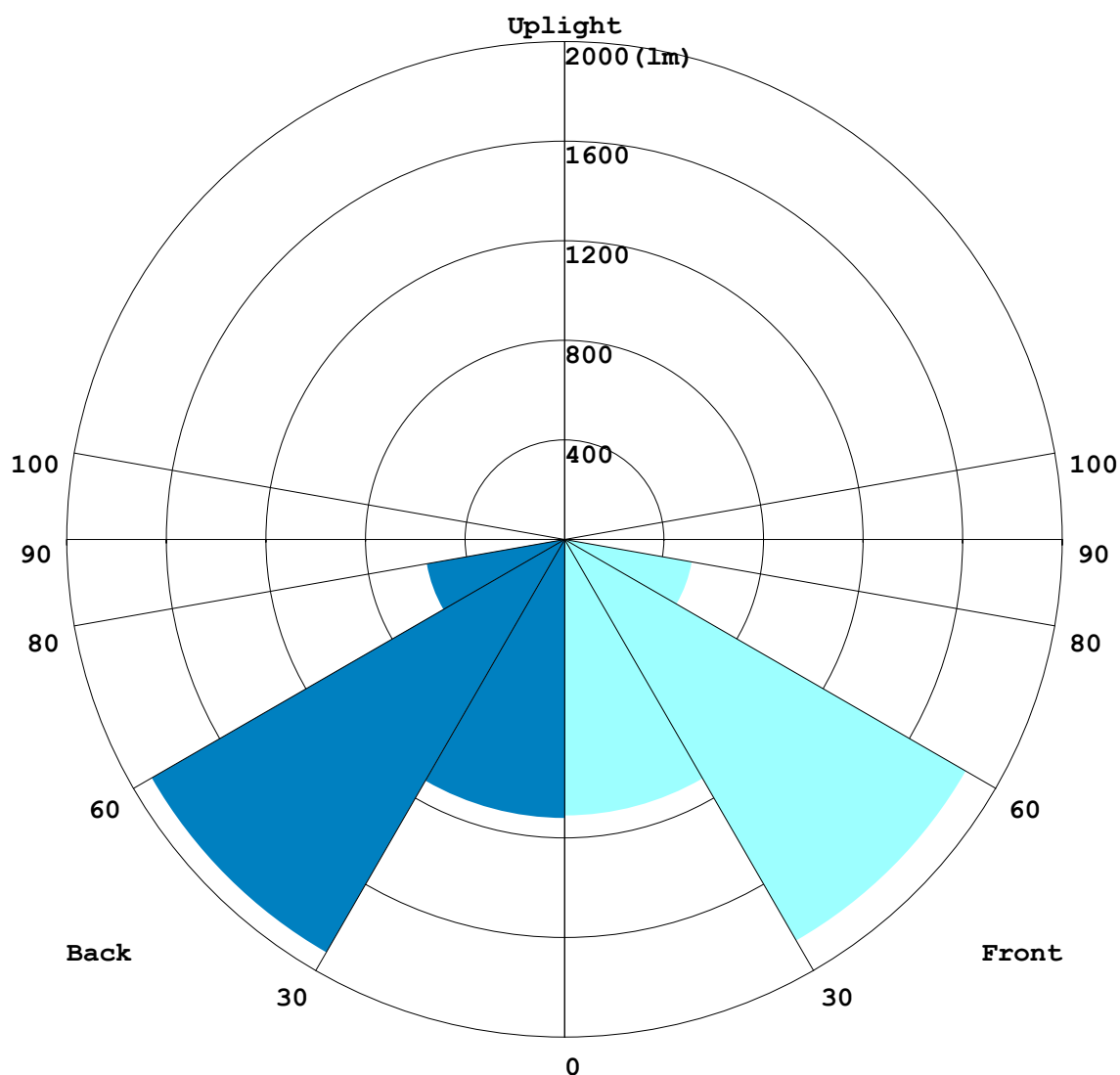
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:16 May 2019

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:

LCS REPORT

Test:U:120.09V I:0.4909A P:58.534W PF:0.9928 Freq:59.98Hz Lamp Flux:7131.6x1 lm		
NAME: LED Area Light	TYPE:Arealight	WEIGHT:N/A
SPEC.:60W/5000K	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:16 May 2019

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:

BUG REPORT

Test:U:120.09V I:0.4909A P:58.534W PF:0.9928 Freq:59.98Hz Lamp Flux:7131.6x1 lm		
NAME: LED Area Light	TYPE:Arealight	WEIGHT:N/A
SPEC.:60W/5000K	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1108.8	15.5
FM - Front-Medium(30-60)	1861.9	26.1
FH - Front-High(60-80)	519.5	7.3
FVH - Front-Very High(80-90)	18.587	0.3
Total Forward Light	3508.8	49.2

BL - Back-Low(0-30)	1120	15.7
BM - Back-Medium(30-60)	1916.2	26.9
BH - Back-High(60-80)	562.89	7.9
BVH - Back-Very High(80-90)	23.753	0.3
Total Back Light	3622.8	50.8

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	3622.8	0	3622.8
Street Side	3508.8	0	3508.8

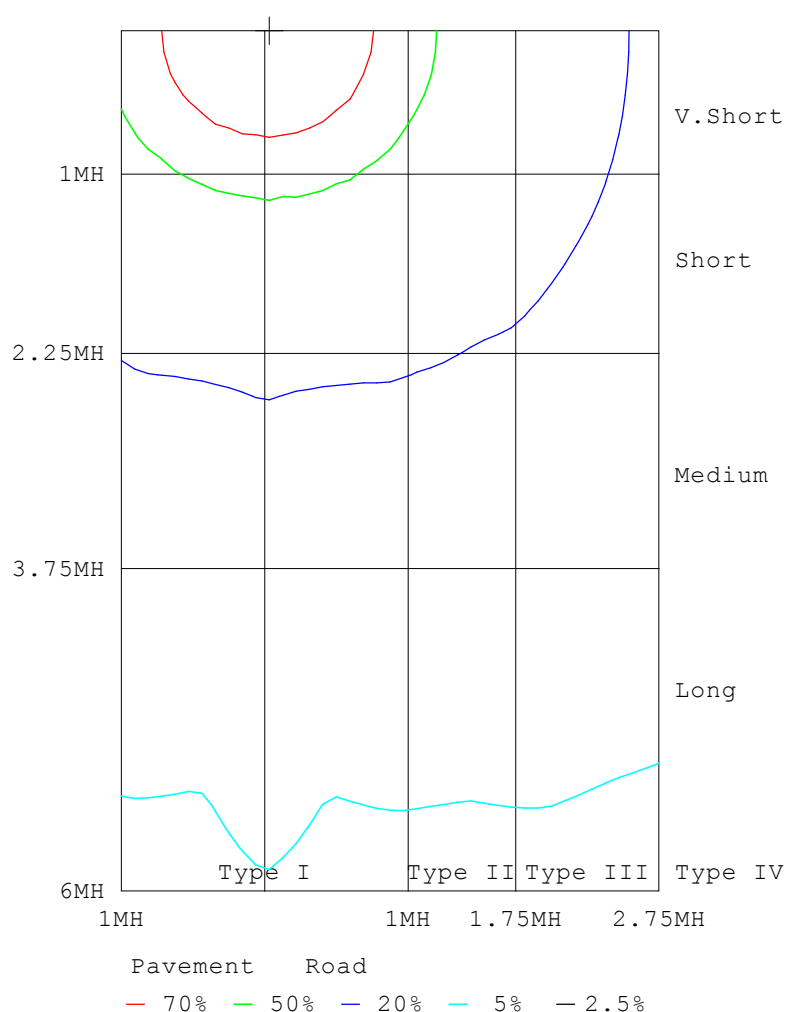
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:16 May 2019

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:120.09V I:0.4909A P:58.534W PF:0.9928 Freq:59.98Hz Lamp Flux:7131.6x1 lm		
NAME: LED Area Light	TYPE:Arealight	WEIGHT:N/A
SPEC.:60W/5000K	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

ROAD SURFACE ISOCANDELA DIAGRAM



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:16 May 2019

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.09V I:0.4909A P:58.534W PF:0.9928 Freq:59.98Hz Lamp Flux:7131.6x1 lm		
NAME: LED Area Light	TYPE:Arealight	WEIGHT:N/A
SPEC.:60W/5000K	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Table--1

UNIT: cd

[illegible]

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:16 May 2019

```
V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:
```

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.09V I:0.4909A P:58.534W PF:0.9928 Freq:59.98Hz Lamp Flux:7131.6x1 lm		
NAME: LED Area Light	TYPE:Arealight	WEIGHT:N/A
SPEC.:60W/5000K	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Table--2

UNIT: cd

[illegible]

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:16 May 2019

```
V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:
```

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.09V I:0.4909A P:58.534W PF:0.9928 Freq:59.98Hz Lamp Flux:7131.6x1 lm		
NAME: LED Area Light	TYPE:Arealight	WEIGHT:N/A
SPEC.:60W/5000K	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Table--3

UNIT: cd

[illegible]

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:16 May 2019

```
V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:
```

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.09V I:0.4909A P:58.534W PF:0.9928 Freq:59.98Hz Lamp Flux:7131.6x1 lm		
NAME: LED Area Light	TYPE:Arealight	WEIGHT:N/A
SPEC.:60W/5000K	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Table--4

UNIT: cd

[illegible]

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:16 May 2019

```
V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:
```