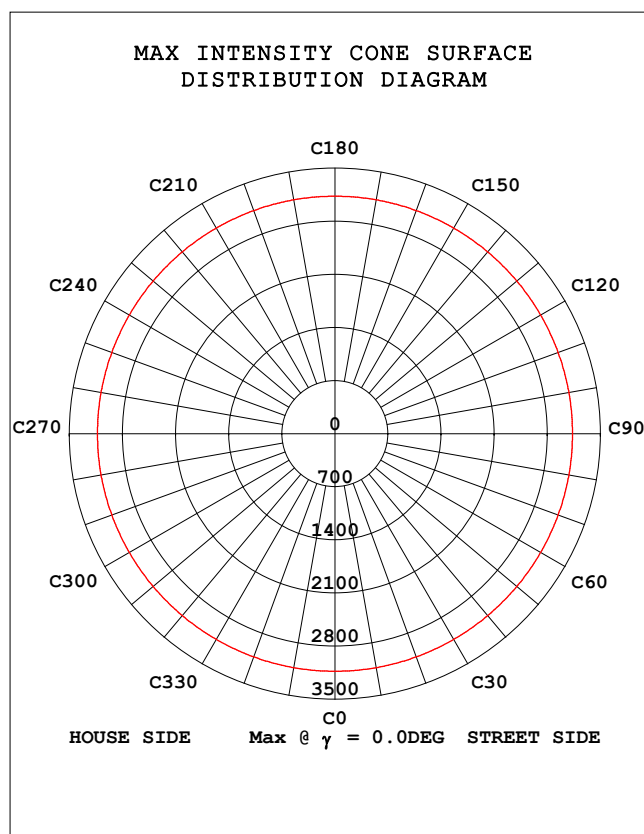
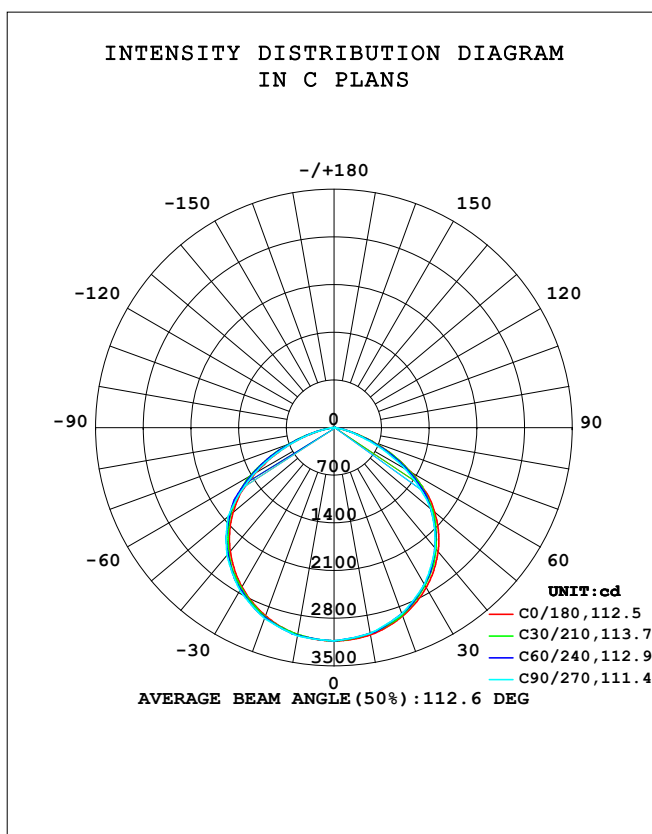


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.11V I:0.4633A P:55.248W PF:0.9927 Freq:59.98Hz Lamp Flux:8514.37x1 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: 154.11 lm/W			
MODEL	H-60-V01-RZ-T5-1-TG	Imax (cd)	3131	η street_up (%)	0.0
NOMINAL POWER (W)	60	LOR (%)	100.0	η street_down (%)	48.6
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	8514	η house_up (%)	0.0
NOMINAL FLUX (lm)	8514.37	MAXIMUM @ (C, γ)	0,0.0	η house_down (%)	51.4
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	120	η down (%)	100.0	SLI	17.774

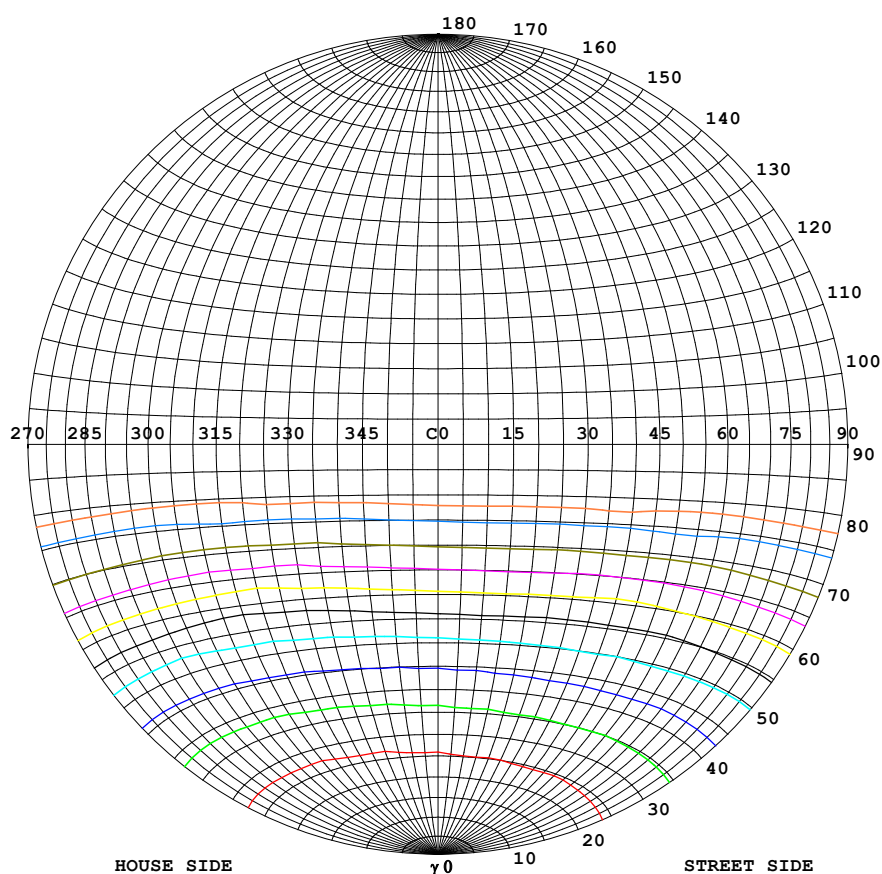


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:25 March 2019

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:120.11V I:0.4633A P:55.248W PF:0.9927 Freq:59.98Hz Lamp Flux:8514.37x1 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:

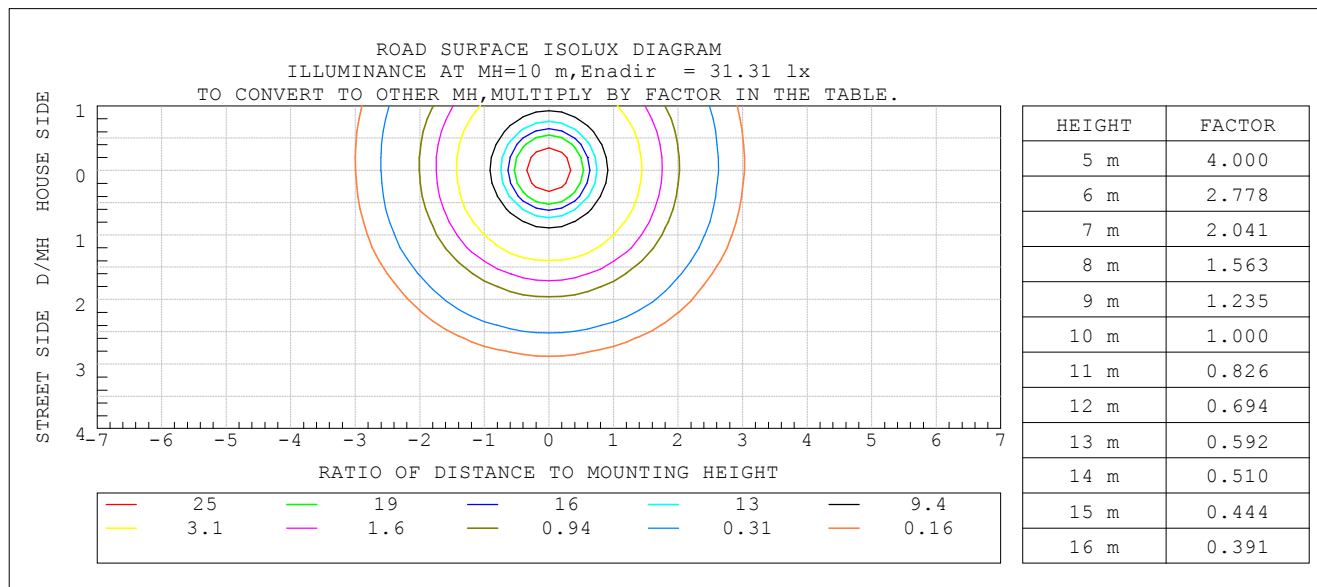
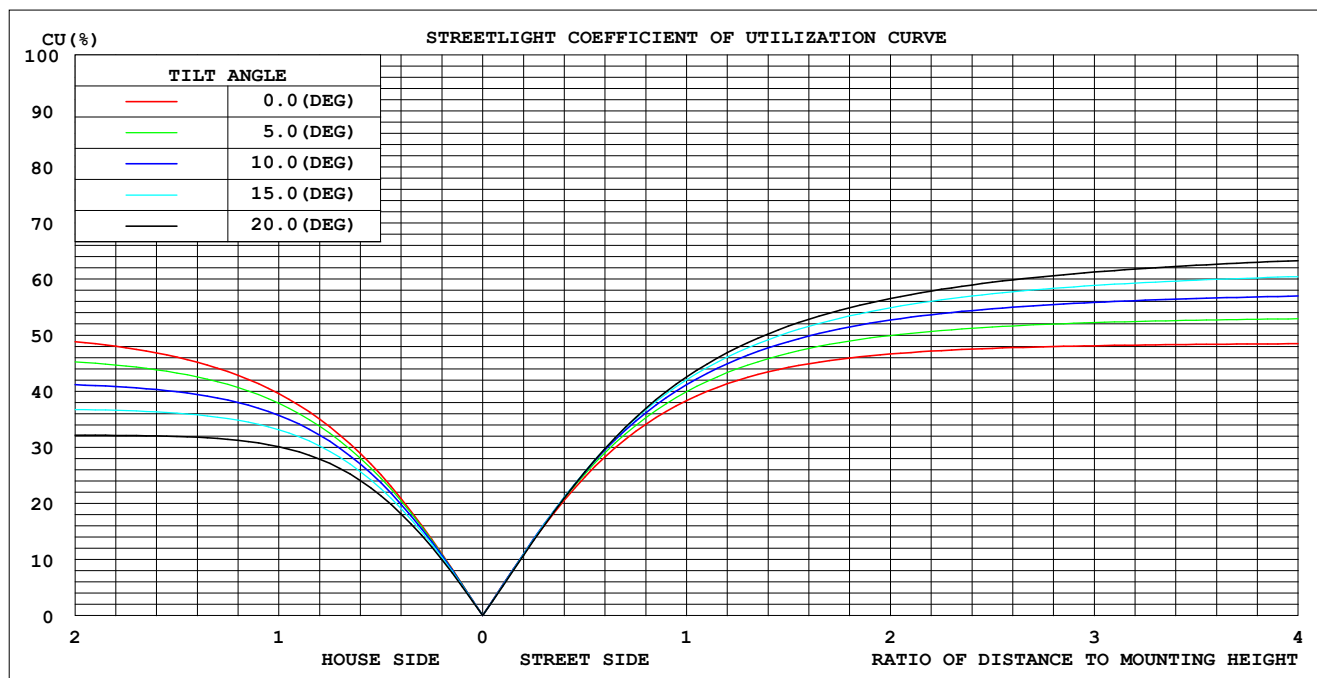
IES:Type V - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:15.57cd/klm
Max.At90:0.2239cd/klm
Max.80-90:15.57cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	3131
90%	2818
80%	2505
70%	2192
60%	1878
50%	1565
40%	1252
30%	939
20%	626
10%	313
5%	157

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:25 March 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:25 March 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:120.11V I:0.4633A P:55.248W PF:0.9927 Freq:59.98Hz Lamp Flux:8514.37x1 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

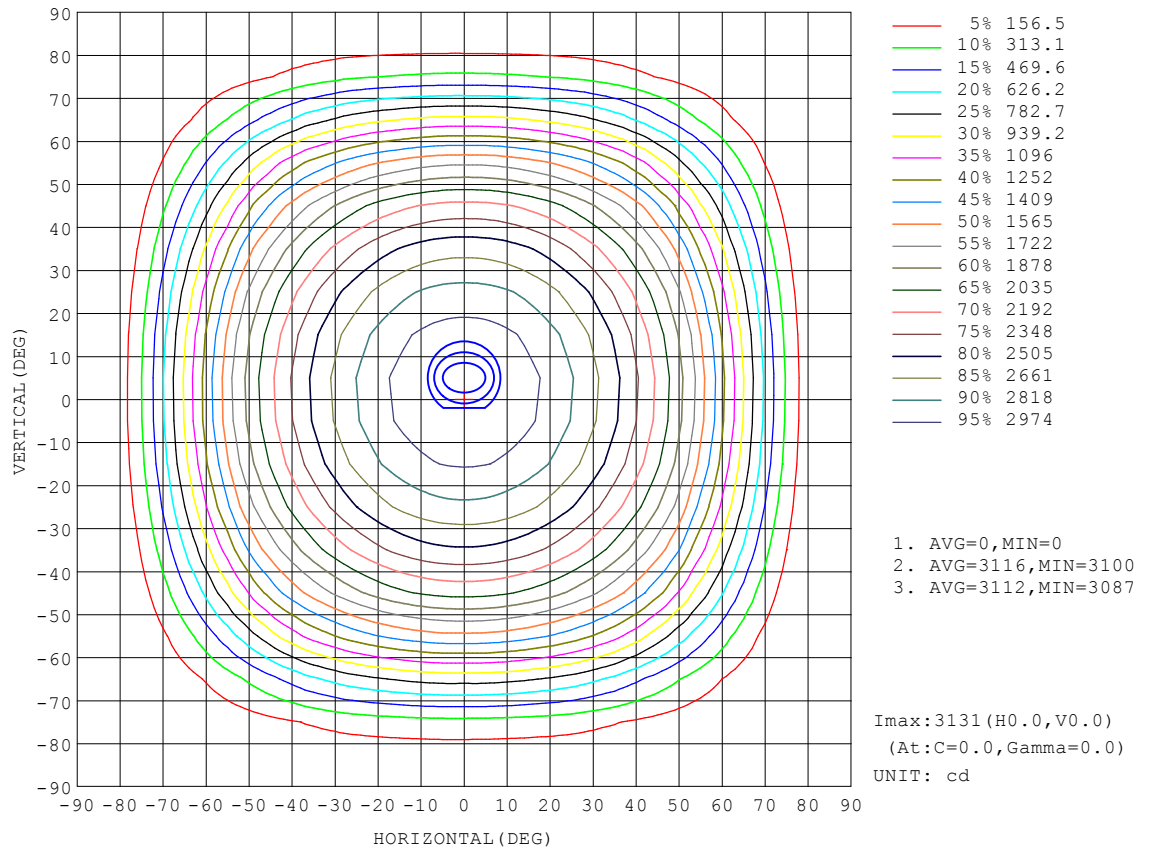
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	3088	3065	3068	3063	3085	3088	3104	3091	0- 10	296.0	296.0	3.48,3.48
20	2944	2912	2911	2908	2941	2957	2983	2962	10- 20	852.9	1149	13.5,13.5
30	2710	2667	2658	2660	2704	2735	2764	2742	20- 30	1306	2455	28.8,28.8
40	2379	2323	2311	2317	2373	2419	2446	2430	30- 40	1594	4048	47.5,47.5
50	1928	1877	1862	1875	1935	2000	2031	2003	40- 50	1668	5716	67.1,67.1
60	1303	1307	1197	1316	1335	1456	1357	1456	50- 60	1471	7188	84.4,84.4
70	602.4	569.6	488.1	596.2	628.3	723.8	616.0	699.9	60- 70	961.4	8149	95.7,95.7
80	80.73	93.94	39.85	101.2	96.23	132.6	64.43	129.9	70- 80	344.2	8493	99.8,99.8
90	1.907	0	0	0	1.483	0	0	0	80- 90	21.19	8514	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:25 March 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

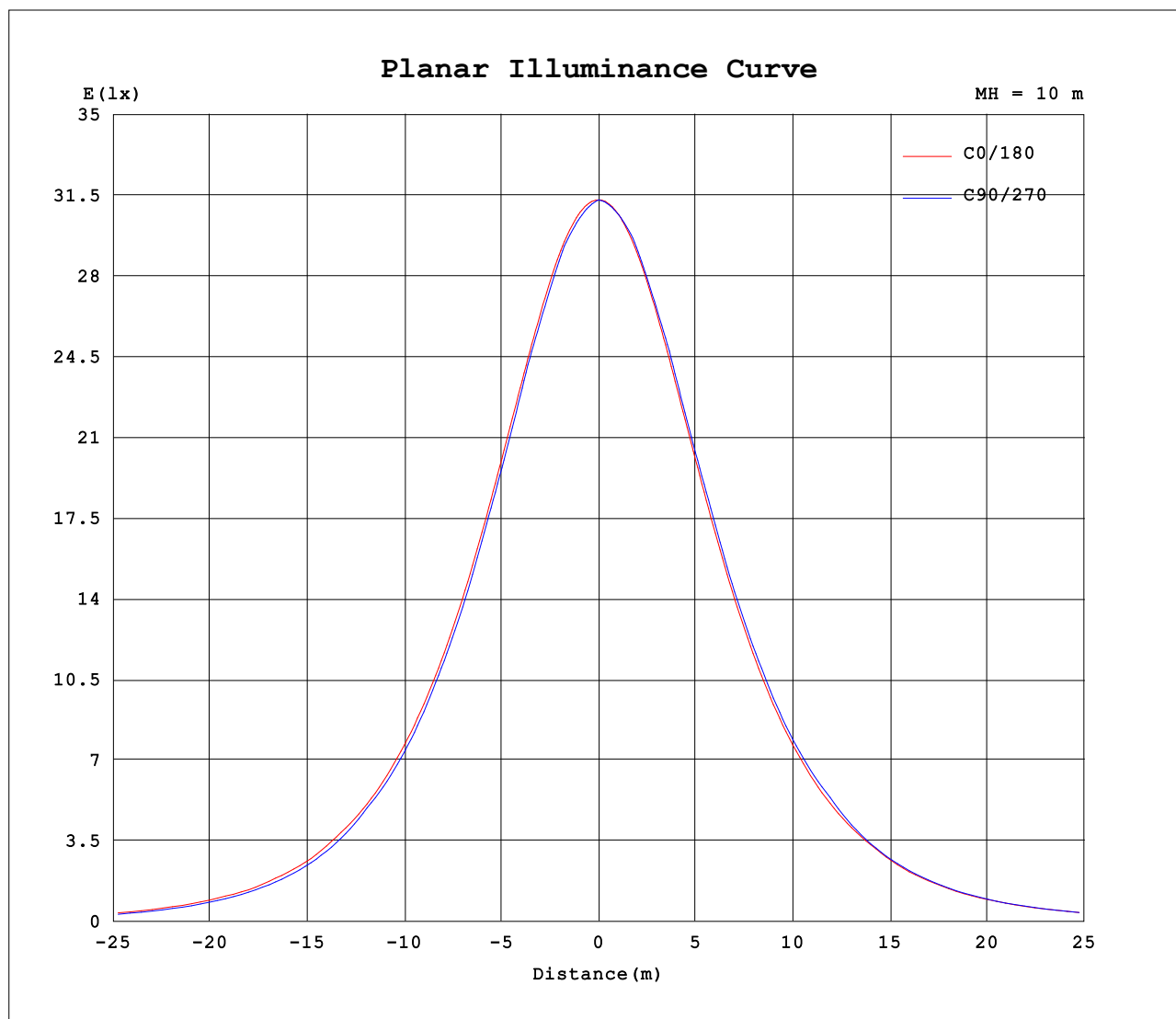
Test:U:120.11V I:0.4633A P:55.248W PF:0.9927 Freq:59.98Hz Lamp Flux:8514.37x1 lm		
NAME: LED Area light	TYPE:Arealight	WEIGHT:N/A
SPEC.:60W/5000K	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:25 March 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



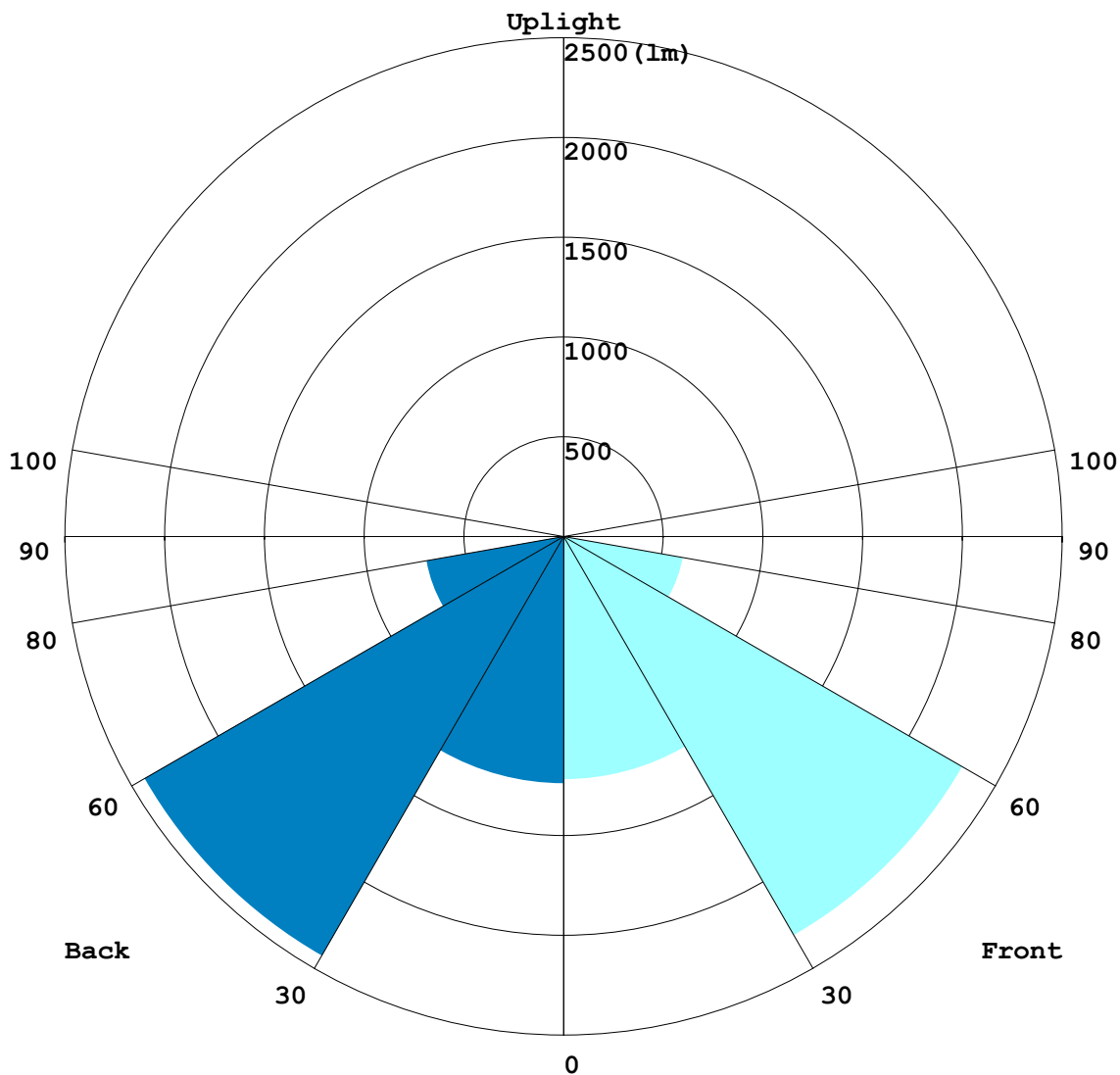
H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:CL
 Test Date:25 March 2019

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:120.11V I:0.4633A P:55.248W PF:0.9927 Freq:59.98Hz Lamp Flux:8514.37x1 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:25 March 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:120.11V I:0.4633A P:55.248W PF:0.9927 Freq:59.98Hz Lamp Flux:8514.37x1 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)	1217.8	14.3
FM - Front-Medium(30-60)	2307.6	27.1
FH - Front-High(60-80)	607.22	7.1
FVH - Front-Very High(80-90)	8.8004	0.1
Total Forward Light	4141.4	48.6

BL - Back-Low(0-30)	1236.8	14.5
BM - Back-Medium(30-60)	2425.4	28.5
BH - Back-High(60-80)	698.36	8.2
BVH - Back-Very High(80-90)	12.393	0.1
Total Back Light	4373	51.4

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
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4373	0	4373
Street Side	4141.4	0	4141.4

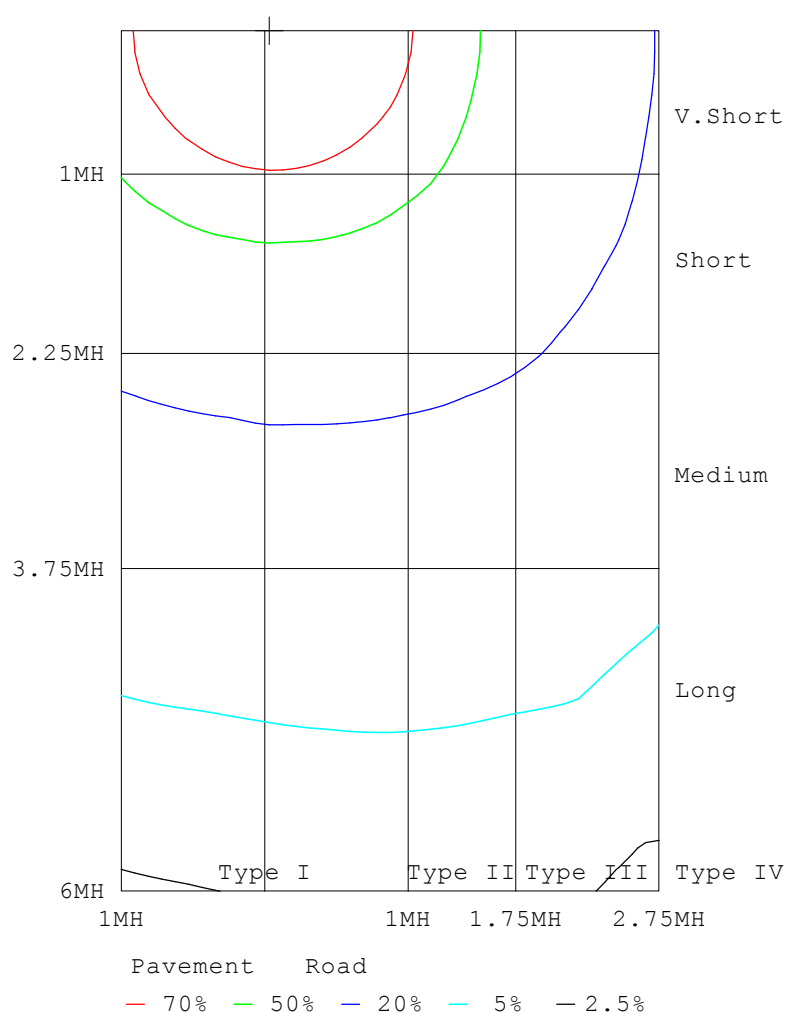
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:25 March 2019

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:120.11V I:0.4633A P:55.248W PF:0.9927 Freq:59.98Hz Lamp Flux:8514.37x1 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:25 March 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:120.11V I:0.4633A P:55.248W PF:0.9927 Freq:59.98Hz Lamp Flux:8514.37x1 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:25 March 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:120.11V I:0.4633A P:55.248W PF:0.9927 Freq:59.98Hz Lamp Flux:8514.37x1 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:25 March 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:120.11V I:0.4633A P:55.248W PF:0.9927 Freq:59.98Hz Lamp Flux:8514.37x1 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:25 March 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:120.11V I:0.4633A P:55.248W PF:0.9927 Freq:59.98Hz Lamp Flux:8514.37x1 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:25 March 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:
```