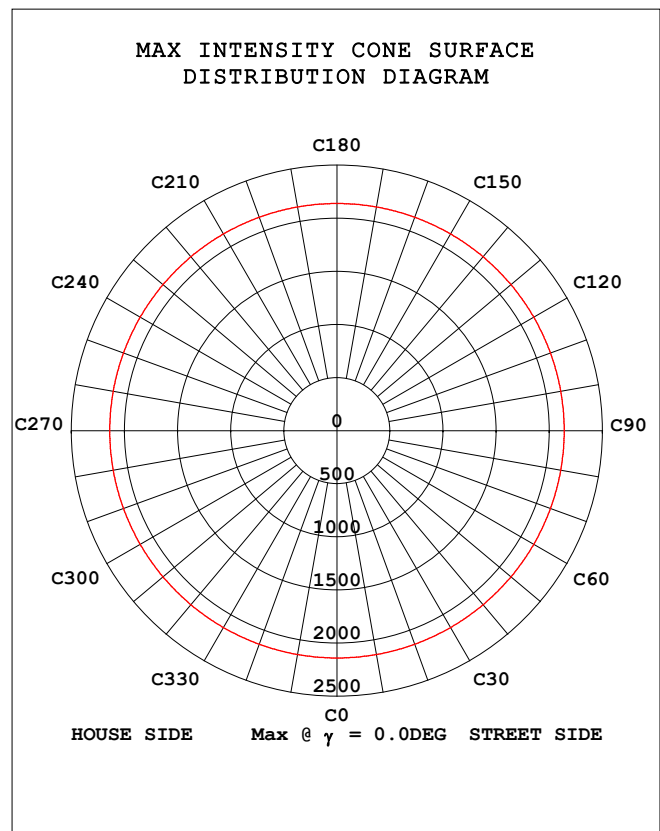
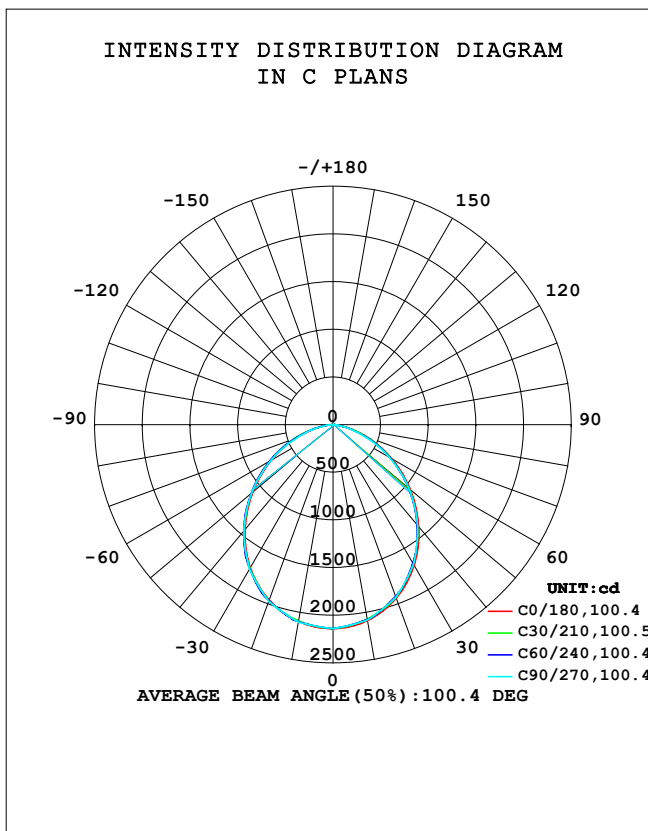


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.12V I:0.3367A P:40.132W PF:0.9923 Freq:59.98Hz Lamp Flux:5206.52x1 lm		
NAME: LED Area Light	TYPE:Arealight	WEIGHT:N/A
SPEC.:40W/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: 129.74 lm/W			
MODEL: H-40-V01-RZ-T5-1-FG		Imax (cd)	2139	η street_up (%)	0.0
NOMINAL POWER (W)	40	LOR (%)	100.0	η street_down (%)	48.8
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	5207	η house_up (%)	0.0
NOMINAL FLUX (lm)	5206.52	MAXIMUM @ (C, γ)	0,0.0	η house_down (%)	51.2
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	120	η down (%)	100.0	SLI	18.039

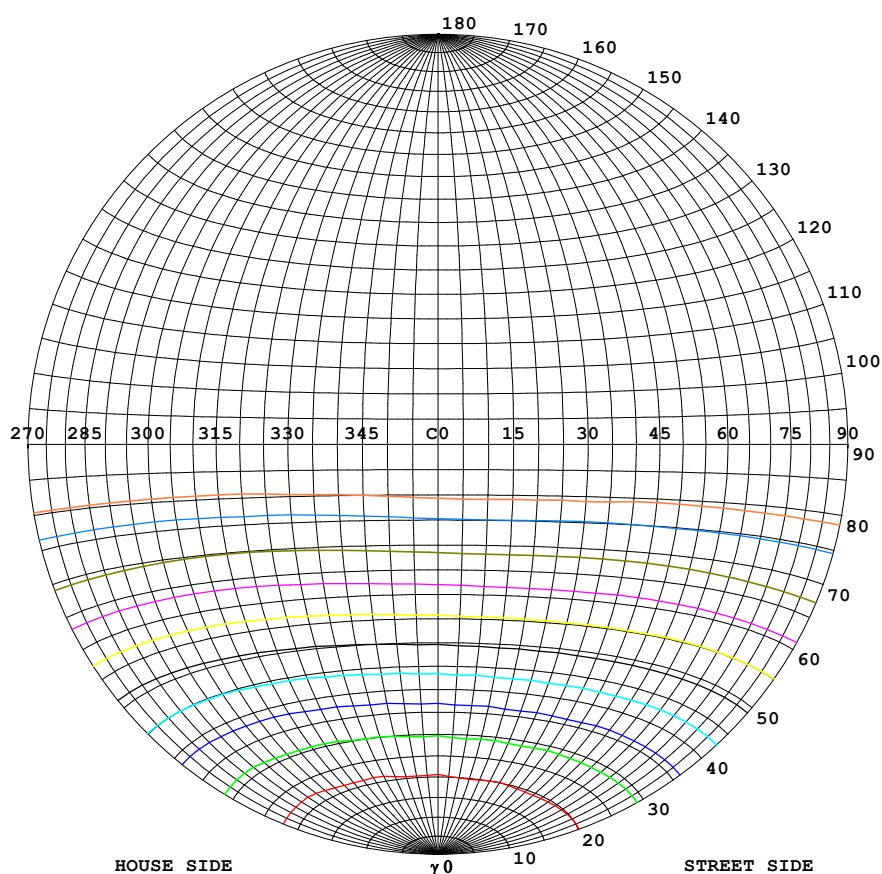


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:10 May 2019

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:120.12V I:0.3367A P:40.132W PF:0.9923 Freq:59.98Hz Lamp Flux:5206.52x1 lm		
NAME: LED Area Light	TYPE:Arealight	WEIGHT:N/A
SPEC.:40W/5000K	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



Classification:

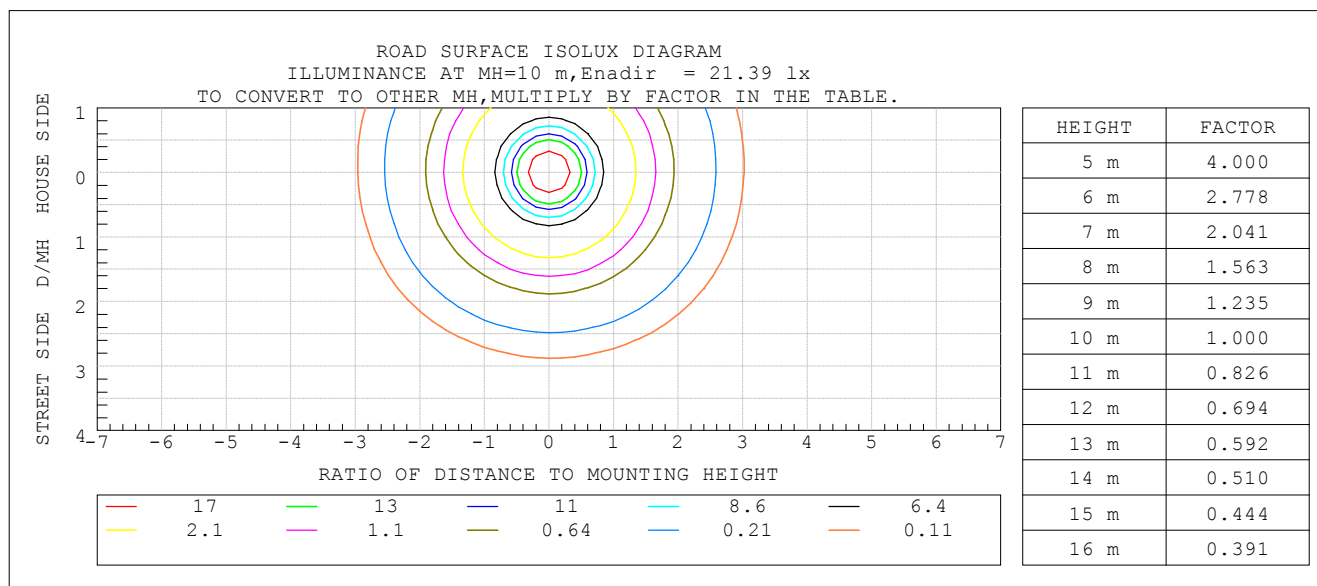
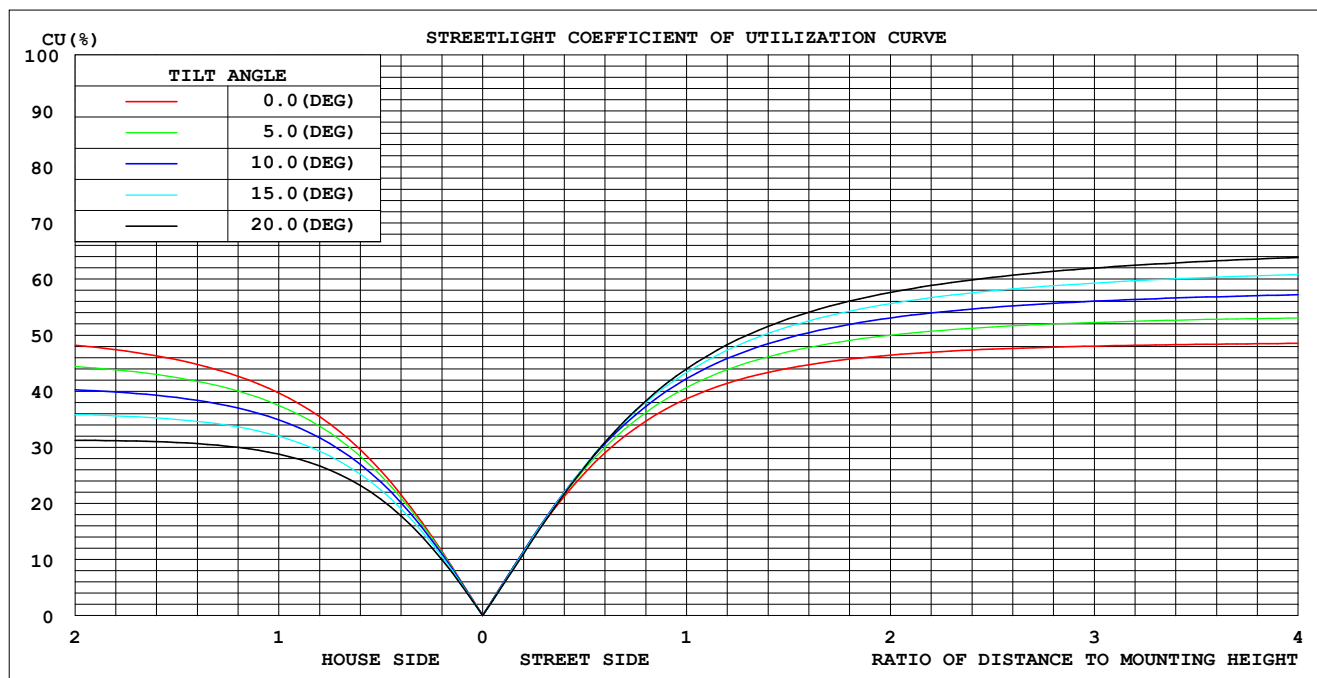
IES:Type V - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:26.39cd/klm
 Max.At90:0.2476cd/klm
 Max.80-90:26.39cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	2139
90%	1925
80%	1712
70%	1498
60%	1284
50%	1070
40%	856
30%	642
20%	428
10%	214
5%	107

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:CL
 Test Date:10 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:10 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:120.12V I:0.3367A P:40.132W PF:0.9923 Freq:59.98Hz Lamp Flux:5206.52x1 lm		
NAME: LED Area Light	TYPE:Arealight	WEIGHT:N/A
SPEC.:40W/5000K	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

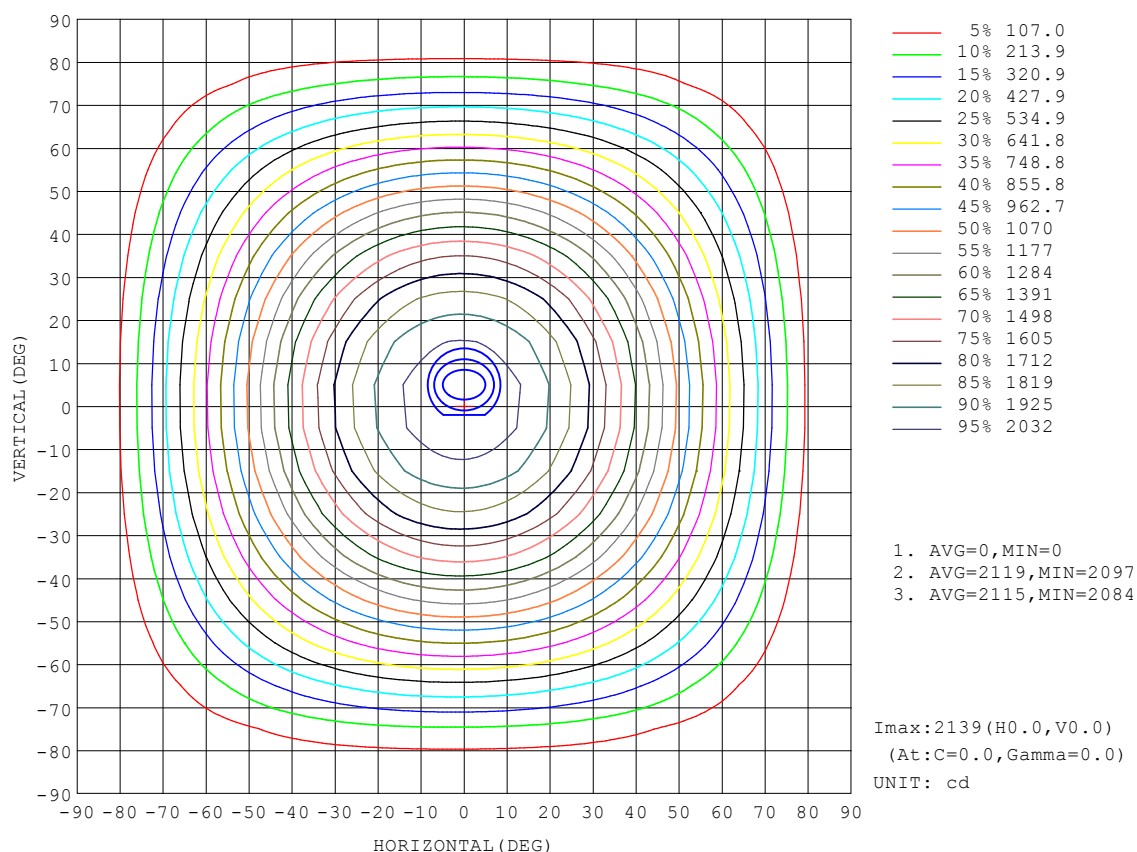
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	2086	2071	2081	2078	2097	2093	2103	2087	0- 10	201.2	201.2	3.86,3.86
20	1937	1915	1928	1931	1960	1962	1972	1948	10- 20	570.6	771.8	14.8,14.8
30	1702	1679	1689	1703	1734	1748	1752	1727	20- 30	846.0	1618	31.1,31.1
40	1398	1376	1380	1404	1435	1459	1456	1435	30- 40	981.8	2600	49.9,49.9
50	1057	1035	1037	1064	1098	1123	1117	1097	40- 50	962.2	3562	68.4,68.4
60	709.1	693.9	678.7	719.8	746.9	776.6	756.8	753.4	50- 60	806.3	4368	83.9,83.9
70	377.1	367.0	331.5	389.0	411.9	439.6	395.0	420.5	60- 70	552.2	4920	94.5,94.5
80	90.92	91.16	71.19	103.7	112.0	136.9	114.9	125.7	70- 80	255.1	5175	99.4,99.4
90	1.289	0	0	0	1.031	0	0	0	80- 90	31.19	5207	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:10 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

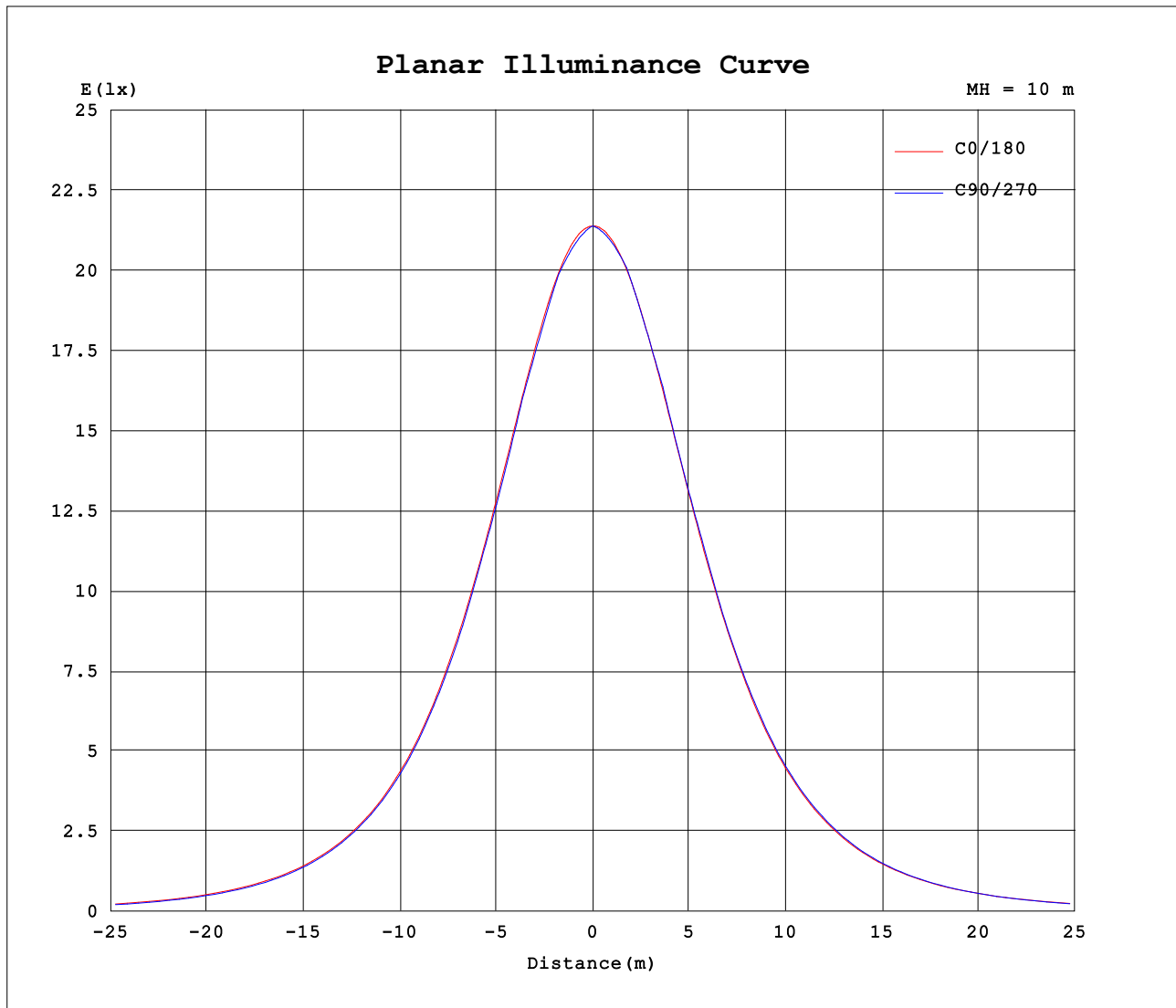
Test:U:120.12V I:0.3367A P:40.132W PF:0.9923 Freq:59.98Hz Lamp Flux:5206.52x1 lm		
NAME: LED Area Light	TYPE:Arealight	WEIGHT:N/A
SPEC.:40W/5000K	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:10 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



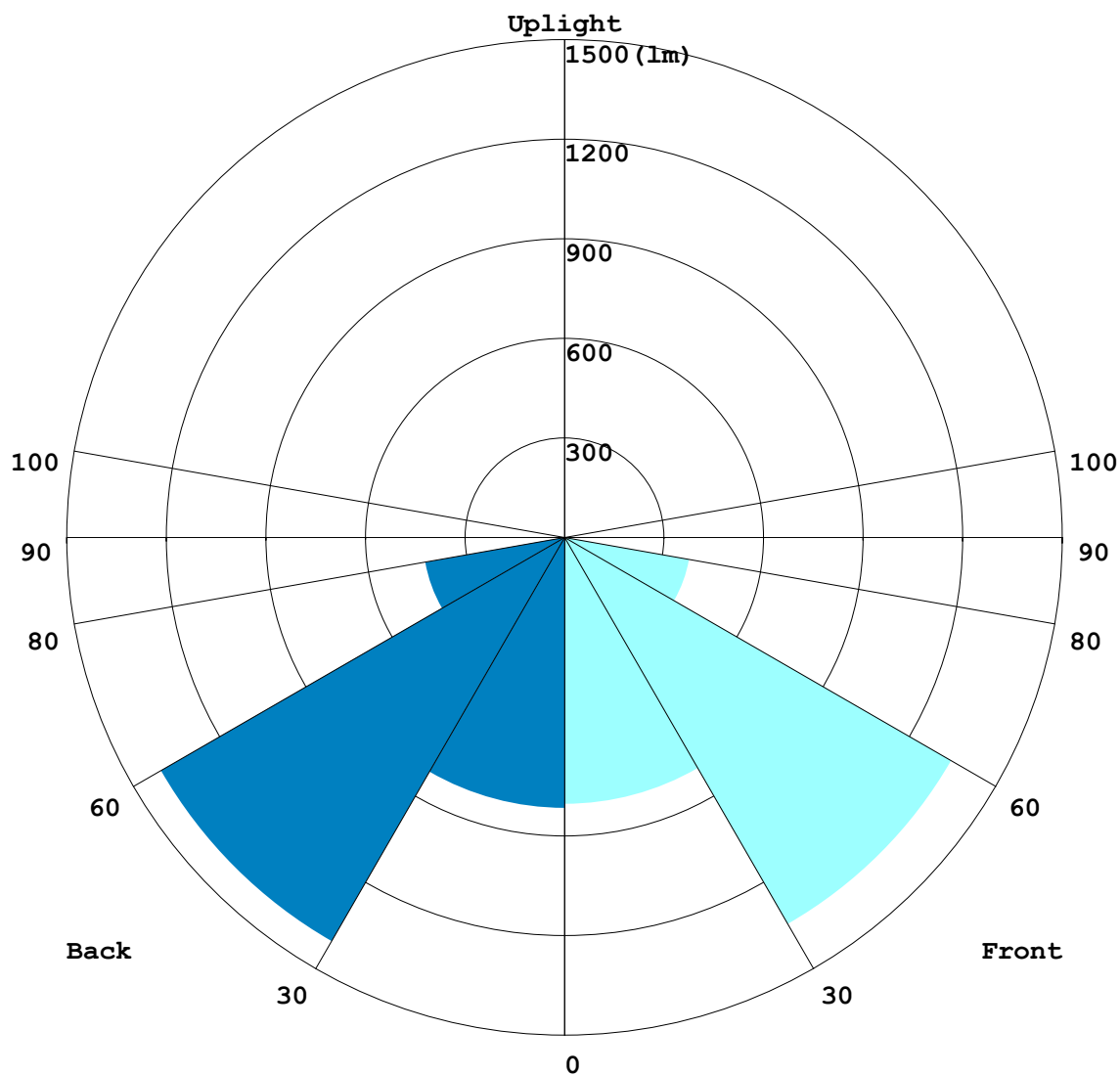
$H(\beta)$ Range: -90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: CL
 Test Date: 10 May 2019

$V(B)$ 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:120.12V I:0.3367A P:40.132W PF:0.9923 Freq:59.98Hz Lamp Flux:5206.52x1 lm		
NAME: LED Area Light	TYPE:Arealight	WEIGHT:N/A
SPEC.:40W/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:10 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:120.12V I:0.3367A P:40.132W PF:0.9923 Freq:59.98Hz Lamp Flux:5206.52x1 lm		
NAME: LED Area Light	TYPE:Arealight	WEIGHT:N/A
SPEC.:40W/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)	802.85	15.4
FM - Front-Medium(30-60)	1345.4	25.8
FH - Front-High(60-80)	380.66	7.3
FVH - Front-Very High(80-90)	12.655	0.2
Total Forward Light	2541.6	48.8

BL - Back-Low(0-30)	814.92	15.7
BM - Back-Medium(30-60)	1404.8	27.0
BH - Back-High(60-80)	426.66	8.2
BVH - Back-Very High(80-90)	18.54	0.4
Total Back Light	2664.9	51.2

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	2664.9	0	2664.9
Street Side	2541.6	0	2541.6

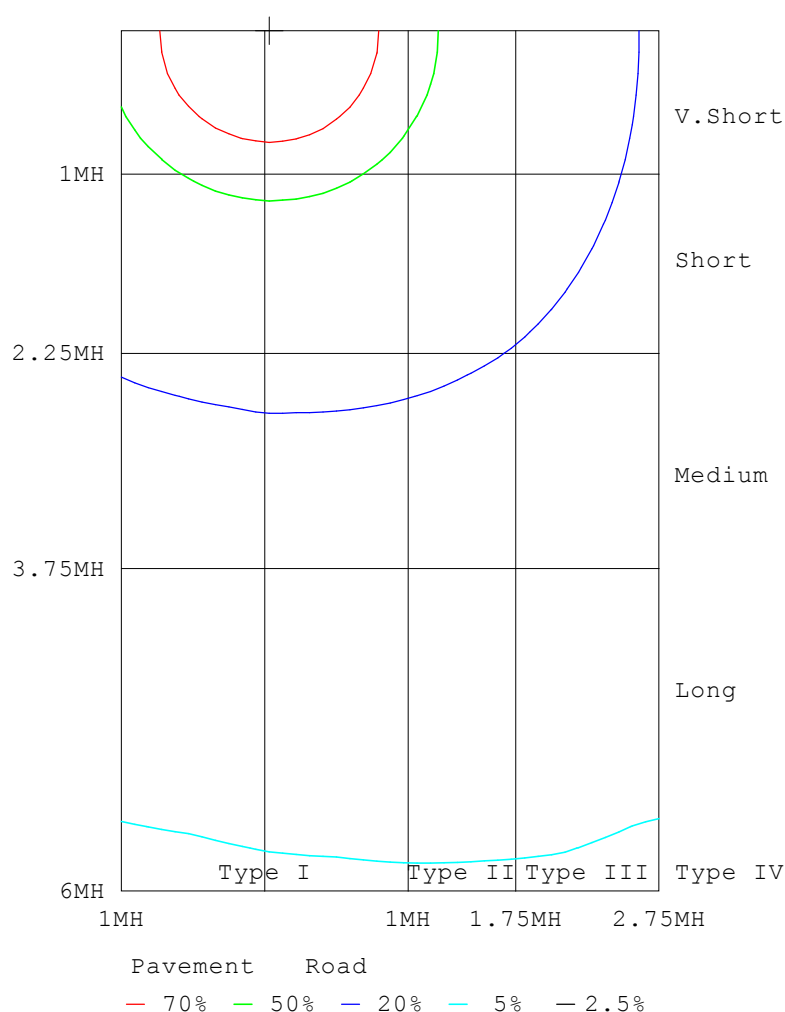
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:10 May 2019

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:120.12V I:0.3367A P:40.132W PF:0.9923 Freq:59.98Hz Lamp Flux:5206.52x1 lm		
NAME: LED Area Light	TYPE:Arealight	WEIGHT:N/A
SPEC.:40W/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:10 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:120.12V I:0.3367A P:40.132W PF:0.9923 Freq:59.98Hz Lamp Flux:5206.52x1 lm		
NAME: LED Area Light	TYPE:Arealight	WEIGHT:N/A
SPEC.:40W/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:10 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:120.12V I:0.3367A P:40.132W PF:0.9923 Freq:59.98Hz Lamp Flux:5206.52x1 lm		
NAME: LED Area Light	TYPE:Arealight	WEIGHT:N/A
SPEC.:40W/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:10 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:120.12V I:0.3367A P:40.132W PF:0.9923 Freq:59.98Hz Lamp Flux:5206.52x1 lm		
NAME: LED Area Light	TYPE:Arealight	WEIGHT:N/A
SPEC.:40W/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:10 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:120.12V I:0.3367A P:40.132W PF:0.9923 Freq:59.98Hz Lamp Flux:5206.52x1 lm		
NAME: LED Area Light	TYPE:Arealight	WEIGHT:N/A
SPEC.:40W/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:10 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: