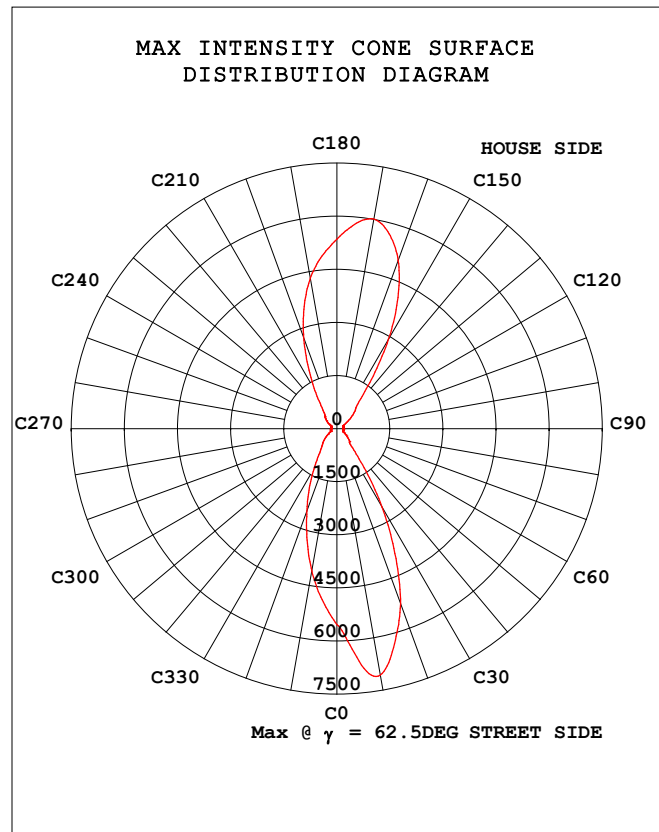
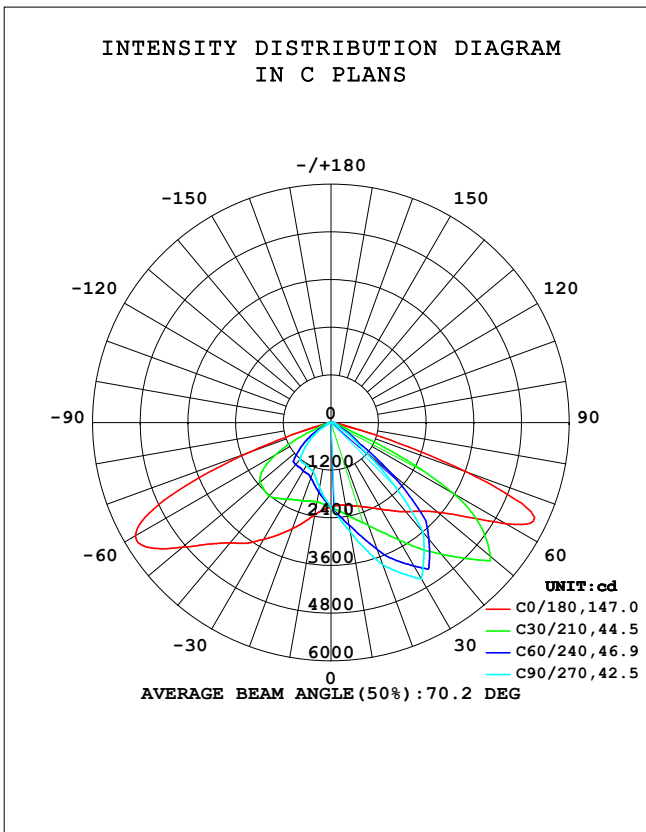


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.12V I:0.4182A P:95.662W PF:0.9941 Freq:49.99Hz Lamp Flux:10074.4x1 lm		
NAME: 智慧星4000K暗灰色	TYPE:首件	WEIGHT:
SPEC.:100W	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 105.31 lm/W			
MODEL	FSS810-100W	Imax(cd)	7074	η street_up(%)	0.0
NOMINAL POWER(W)	96.9	LOR(%)	100.0	η street_down(%)	48.0
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	10074	η house_up(%)	0.0
NOMINAL FLUX(lm)	10074.4	MAXIMUM @ (C, γ)	10,62.5	η house_down(%)	52.0
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	230.1	η down(%)	100.0	SLI	

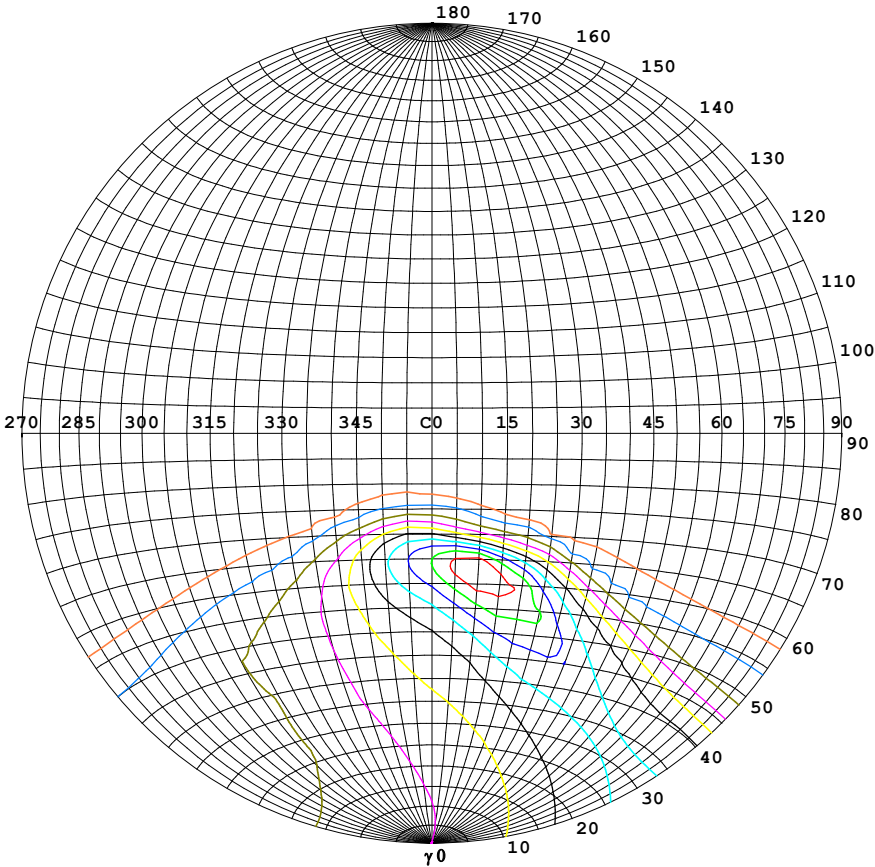


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:22.5DEG
Operators:DAMIN
Test Date:2022-02-24

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:74.3%
Test Distance:11.050m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:230.12V I:0.4182A P:95.662W PF:0.9941 Freq:49.99Hz Lamp Flux:10074.4x1 lm		
NAME: 智慧星4000K暗灰色	TYPE:首件	WEIGHT:
SPEC.:100W	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



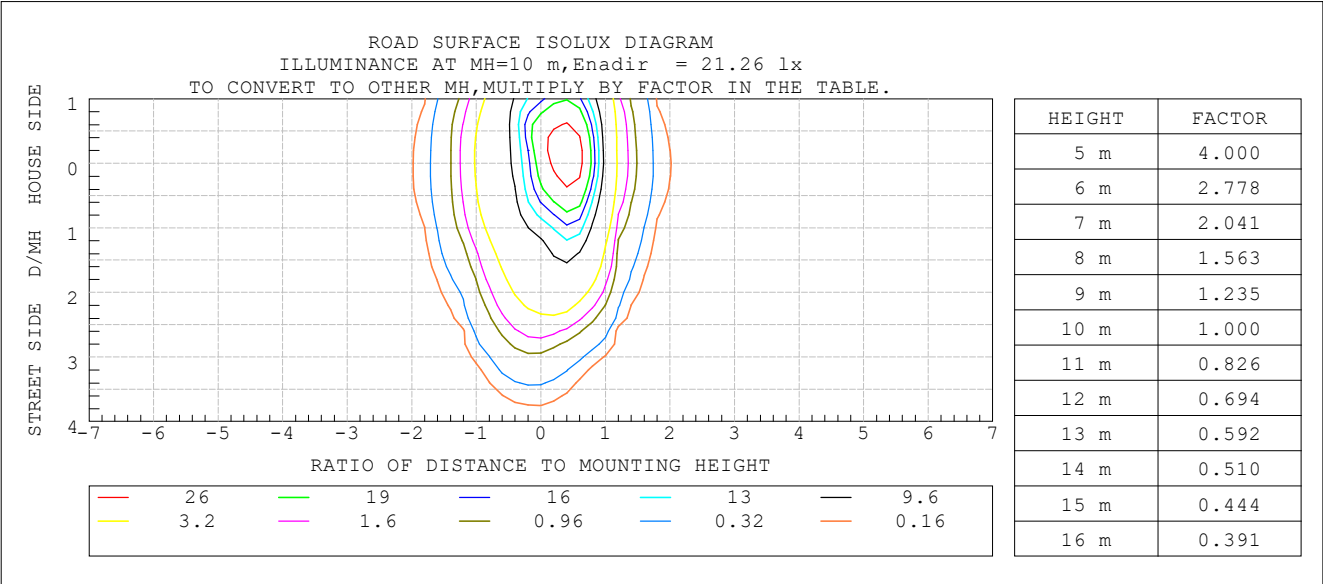
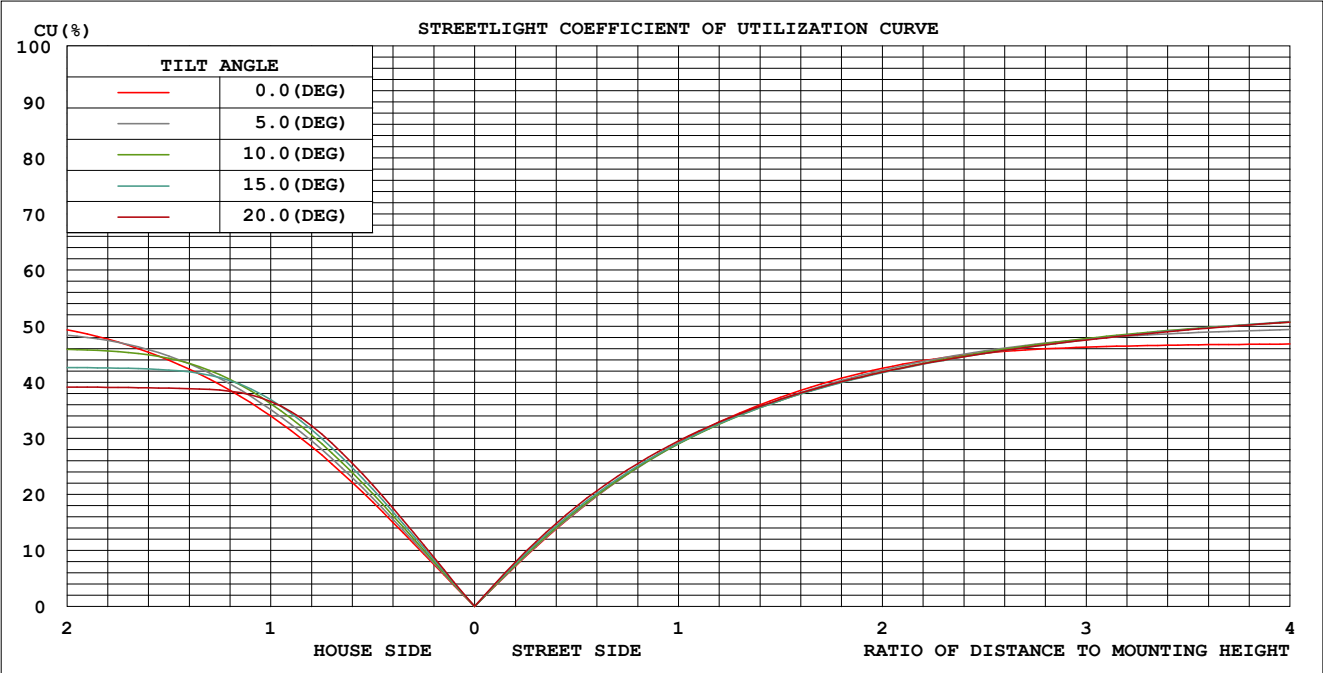
Classification:
IES:Type III - Short
CIE:Broad - Intermediate
IES:Cut-off
CIE:Full cut-off
Max.At80:28.64cd/klm
Max.At90:0.8007cd/klm
Max.80-90:28.64cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7074
90%	6366
80%	5659
70%	4951
60%	4244
50%	3537
40%	2829
30%	2122
20%	1415
10%	707
5%	354

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:22.5DEG
Operators:DAMIN
Test Date:2022-02-24

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:74.3%
Test Distance:11.050m [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:22.5DEG
Operators:DAMIN
Test Date:2022-02-24

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:74.3%
Test Distance:11.050m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:230.12V I:0.4182A P:95.662W PF:0.9941 Freq:49.99Hz Lamp Flux:10074.4x1 lm		
NAME: 智慧星4000K暗灰色	TYPE:首件	WEIGHT:
SPEC.:100W	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

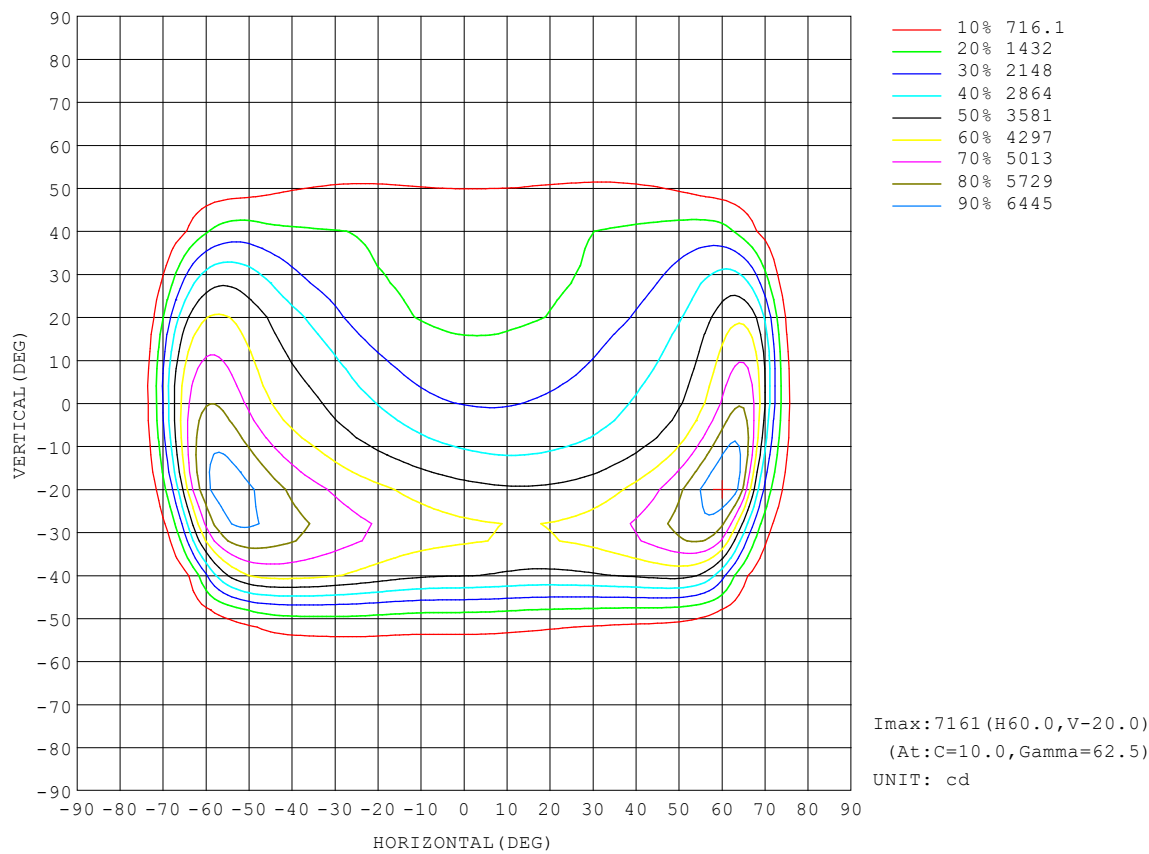
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	2111	2495	2788	2752	2353	1891	1676	1796	0- 10	208.4	208.4	2.07,2.07
20	2254	3077	3809	3646	2840	1731	1314	1559	10- 20	676.0	884.4	8.78,8.78
30	2525	3883	4550	4606	3396	1659	1245	1437	20- 30	1263	2147	21.3,21.3
40	2928	4540	3615	5309	3953	1614	1229	1437	30- 40	1892	4039	40.1,40.1
50	3510	3526	1020	4390	4882	1458	706.2	1454	40- 50	2244	6283	62.4,62.4
60	5092	679.5	205.4	1004	5685	630.2	197.3	731.1	50- 60	2120	8402	83.4,83.4
70	3596	147.3	142.3	158.8	2170	149.7	123.0	168.3	60- 70	1369	9772	97,97
80	238.7	77.13	61.60	79.77	108.4	66.98	57.41	72.25	70- 80	258.1	10030	99.6,99.6
90	1.603	4.608	3.702	4.678	2.910	0.3050	0.1917	0.2788	80- 90	44.75	10074	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:22.5DEG
Operators:DAMIN
Test Date:2022-02-24

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:74.3%
Test Distance:11.050m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

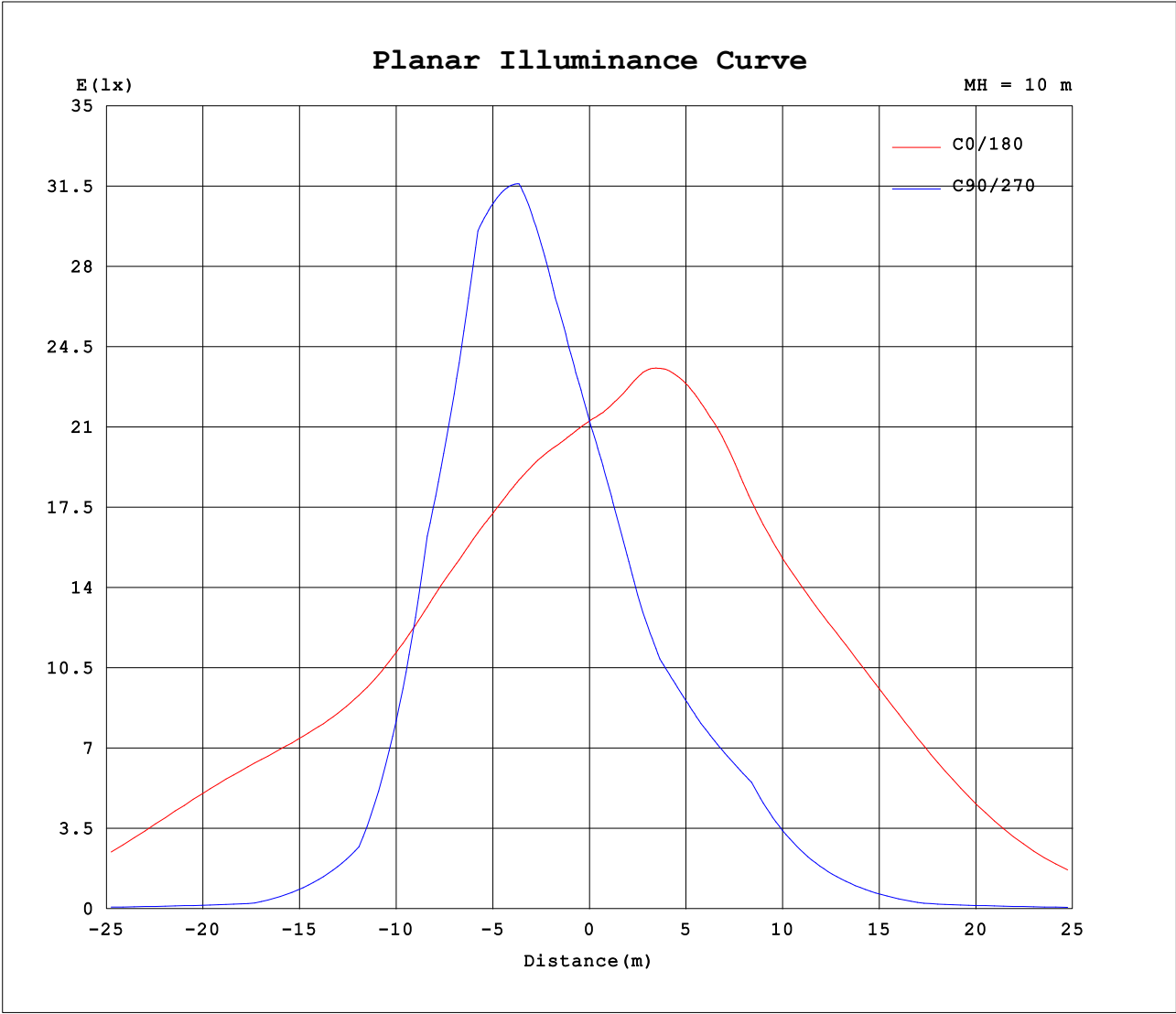
Test:U:230.12V I:0.4182A P:95.662W PF:0.9941 Freq:49.99Hz Lamp Flux:10074.4x1 lm		
NAME: 智慧星4000K暗灰色	TYPE:首件	WEIGHT:
SPEC.:100W	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:22.5DEG
Operators:DAMIN
Test Date:2022-02-24

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:74.3%
Test Distance:11.050m [K=1.0000]
Remarks:

Planar Illuminance Curve



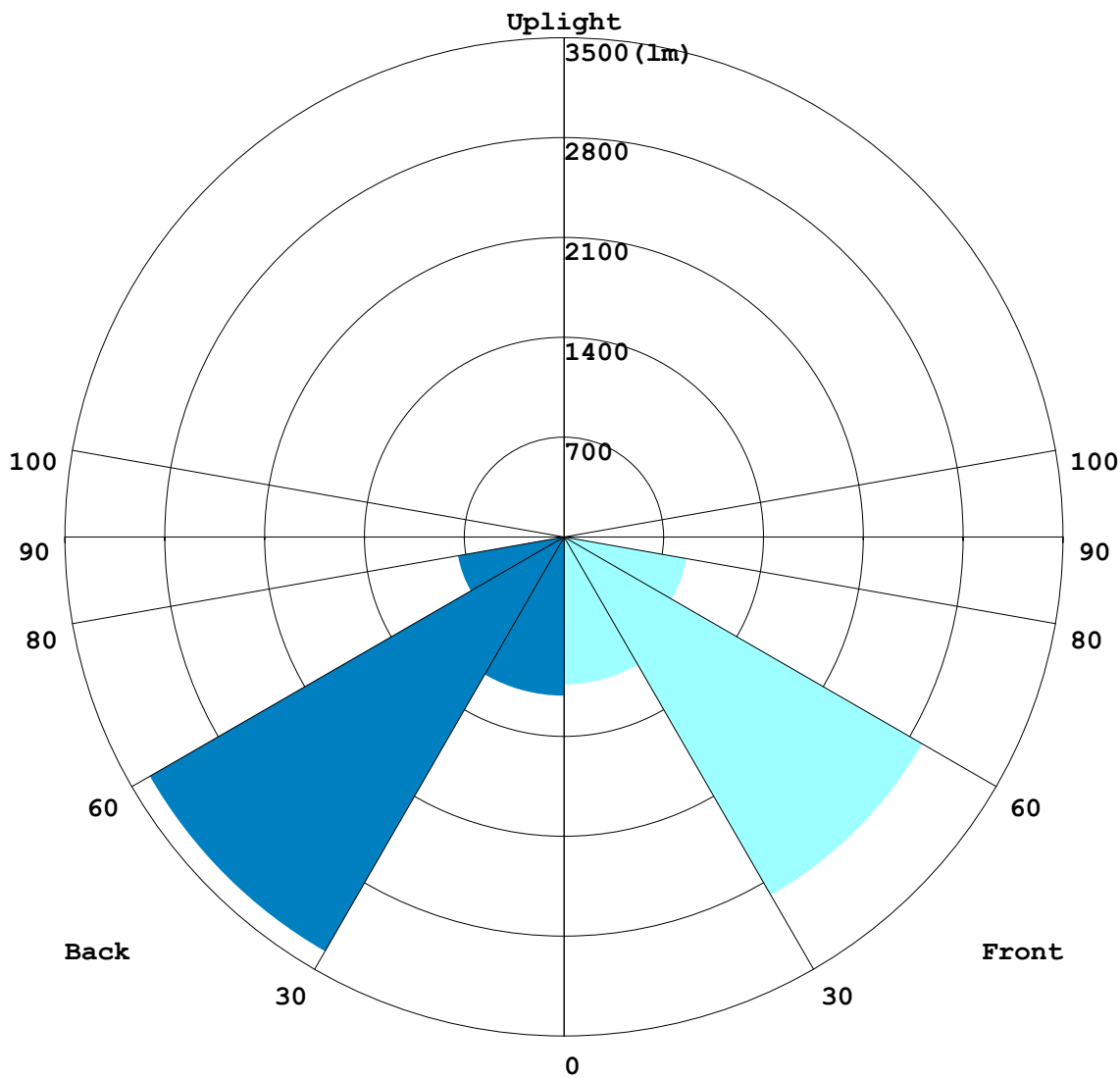
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:22.5DEG
Operators:DAMIN
Test Date:2022-02-24

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:74.3%
Test Distance:11.050m [K=1.0000]
Remarks:

LCS REPORT

Test:U:230.12V I:0.4182A P:95.662W PF:0.9941 Freq:49.99Hz Lamp Flux:10074.4x1 lm		
NAME: 智慧星4000K暗灰色	TYPE:首件	WEIGHT:
SPEC.:100W	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:22.5DEG
Operators:DAMIN
Test Date:2022-02-24

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:74.3%
Test Distance:11.050m [K=1.0000]
Remarks:

BUG REPORT

Test:U:230.12V I:0.4182A P:95.662W PF:0.9941 Freq:49.99Hz Lamp Flux:10074.4x1 lm		
NAME: 智慧星4000K暗灰色	TYPE:首件	WEIGHT:
SPEC.:100W	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1033.7	10.3
FM - Front-Medium(30-60)	2901.1	28.8
FH - Front-High(60-80)	872.04	8.7
FVH - Front-Very High(80-90)	25.527	0.3
Total Forward Light	4832.4	48.0

BL - Back-Low(0-30)	1113.5	11.1
BM - Back-Medium(30-60)	3353.9	33.3
BH - Back-High(60-80)	755.29	7.5
BVH - Back-Very High(80-90)	19.224	0.2
Total Back Light	5242	52.0

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	B3-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5242	0	5242
Street Side	4832.4	0	4832.4

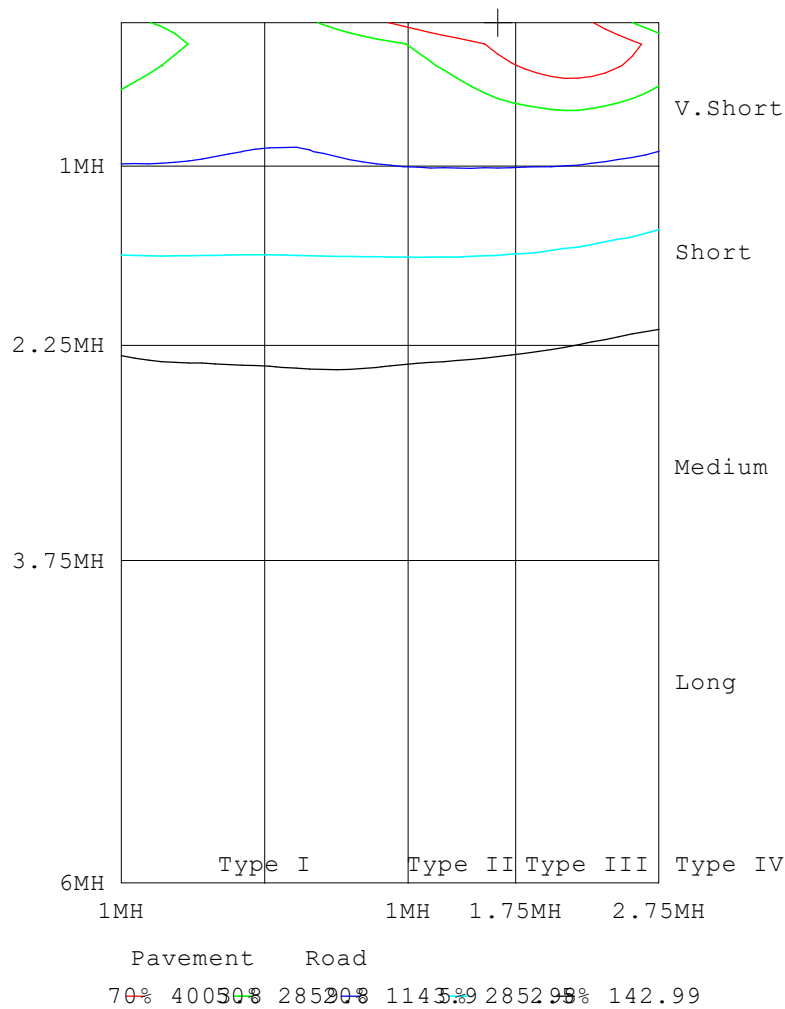
H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:22.5DEG
 Operators:DAMIN
 Test Date:2022-02-24

V(B) Range:-90 - 90DEG
 V(B) Interval: 2.0DEG
 Test System:GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:74.3%
 Test Distance:11.050m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:230.12V I:0.4182A P:95.662W PF:0.9941 Freq:49.99Hz Lamp Flux:10074.4x1 lm		
NAME: 智慧星4000K暗灰色	TYPE:首件	WEIGHT:
SPEC.:100W	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:22.5DEG
Operators:DAMIN
Test Date:2022-02-24

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:74.3%
Test Distance:11.050m [K=1.0000]
Remarks:

UNIT: cd

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System: GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:74.3%
Test Distance:11.050m [K=1.0000]
Remarks:

UNIT: cd

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System: GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:74.3%
Test Distance:11.050m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.12V I:0.4182A P:95.662W PF:0.9941 Freq:49.99Hz Lamp Flux:10074.4x1 lm		
NAME: 智慧星4000K暗灰色	TYPE:首件	WEIGHT:
SPEC.:100W	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--3

UNIT: cd

[illegible]

```
H( $\beta$ ) Range:-90 - 90DEG
H( $\beta$ ) Interval: 1.0DEG
Test Speed: HIGH
Temperature:22.5DEG
Operators:DAMIN
Test Date:2022-02-24
```

```
V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System: GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:74.3%
Test Distance:11.050m [K=1.0000]
Remarks:
```

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.12V I:0.4182A P:95.662W PF:0.9941 Freq:49.99Hz Lamp Flux:10074.4x1 lm		
NAME: 智慧星4000K暗灰色	TYPE:首件	WEIGHT:
SPEC.:100W	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--4

UNIT: cd

[illegible]

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:22.5DEG
Operators:DAMIN
Test Date:2022-02-24

```
V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System: GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:74.3%
Test Distance:11.050m [K=1.0000]
Remarks:
```