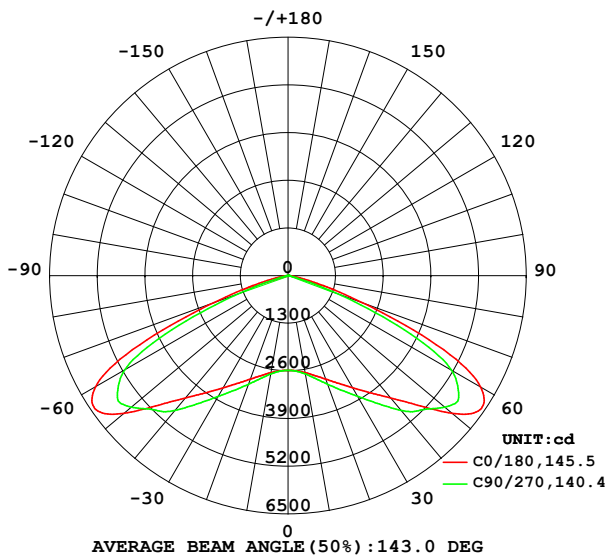
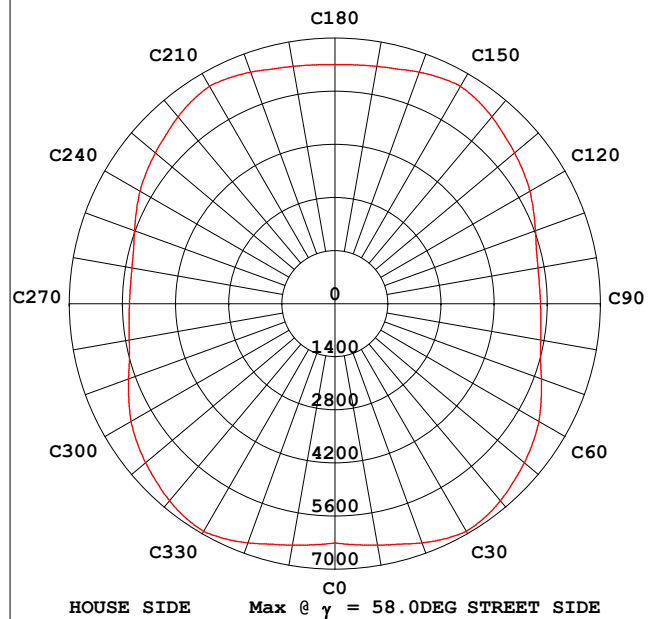


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.0V I:0.7991A P:177.7W PF:0.9667 Lamp Flux:20197.7x1 lm		
NAME: ST07-180	TYPE:180W	WEIGHT:
SPEC.:4000K Ra70 R17605	DIM.: 0.763*0.352*0.225	SERIAL No.:
MFR.:	SUR.:0.24*0.25	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 113.66 lm/W			
MODEL	NICHIA3030	I _{max} (cd)	6926	η street_up (%)	0.0
NOMINAL POWER (W)	180	LOR (%)	100.0	η street_down (%)	50.0
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	20198	η house_up (%)	0.0
NOMINAL FLUX (lm)	20197.7	MAXIMUM @ (C, γ)	30,58.0	η house_down (%)	50.0
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	230	η down (%)	100.0	SLI	

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

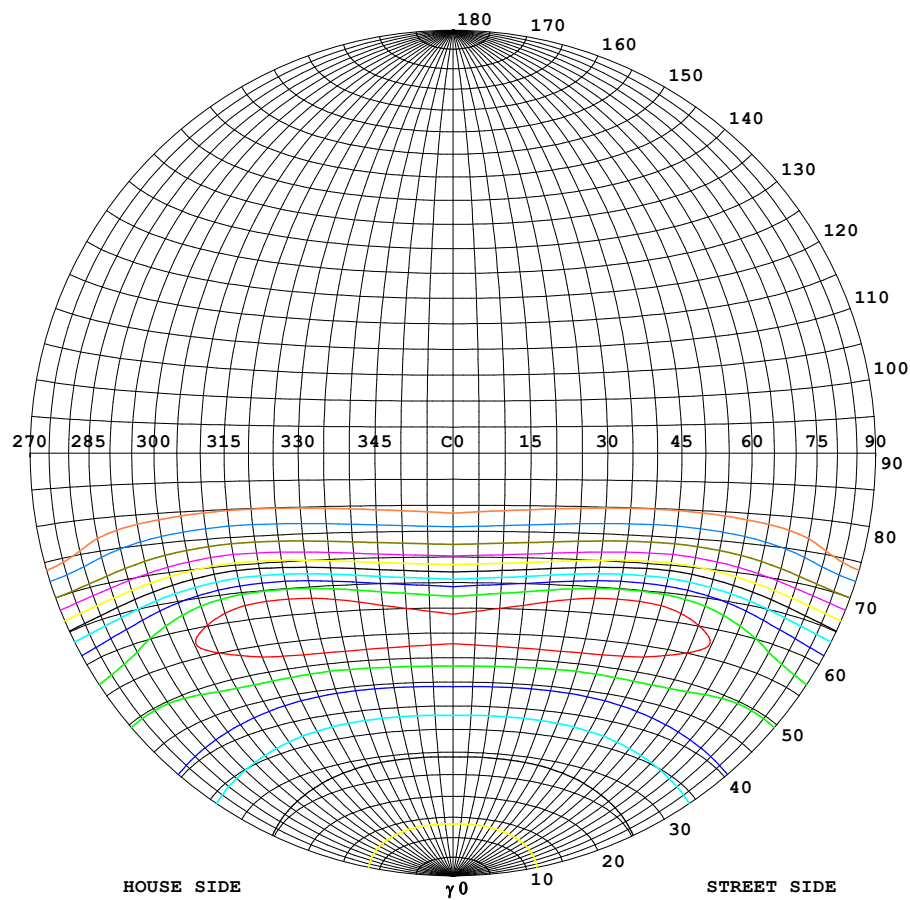
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-05-07

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

Checker: LI
Note: SLI:Specific Luminaire Index

Assessor:

STREETLIGHT ISOCANDELA DIAGRAM



Classification:

IES:Type V - Short
CIE:Average - Short
IES:Full cut-off
CIE:Full cut-off
Max.At80:18.64cd/klm
Max.At90:0cd/klm
Max.80-90:18.64cd/klm

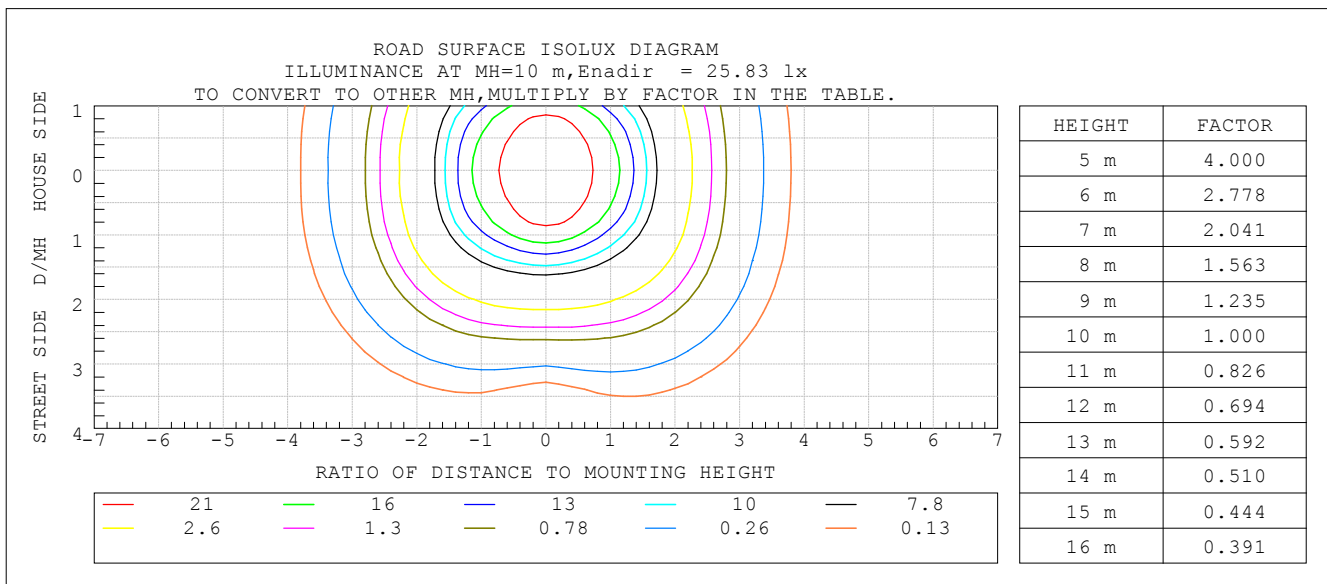
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6926
90%	6234
80%	5541
70%	4848
60%	4156
50%	3463
40%	2770
30%	2078
20%	1385
10%	693
5%	346

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-05-07

Checker: LI

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

Assessor:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-05-07

Checker: LI

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 9.500m [K=1.0000]
Remarks:

Assessor:

ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
5	2608	2610	2617	2615	2608	2615	2617	2610	0- 5	62.11	62.11	0.31,0.31
10	2689	2698	2725	2714	2689	2714	2725	2698	5- 10	190.3	252.4	1.25,1.25
15	2822	2846	2906	2873	2822	2873	2906	2846	10- 15	330.3	582.7	2.88,2.88
20	3004	3049	3152	3085	3004	3085	3152	3049	15- 20	489.2	1072	5.31,5.31
25	3238	3304	3447	3346	3238	3346	3447	3304	20- 25	672.0	1744	8.63,8.63
30	3533	3613	3805	3658	3533	3658	3805	3613	25- 30	883.8	2628	13,13
35	3898	3988	4255	4036	3898	4036	4255	3988	30- 35	1132	3760	18.6,18.6
40	4357	4463	4796	4509	4357	4509	4796	4463	35- 40	1429	5189	25.7,25.7
45	4998	5074	5178	5100	4998	5100	5178	5074	40- 45	1782	6972	34.5,34.5
50	5841	5819	5580	5763	5841	5763	5580	5819	45- 50	2183	9155	45.3,45.3
55	6386	6453	5687	6153	6386	6153	5687	6453	50- 55	2611	11766	58.3,58.3
60	6057	6640	5142	6244	6057	6244	5142	6640	55- 60	2860	14627	72.4,72.4
65	4466	5399	3497	5126	4466	5126	3497	5399	60- 65	2651	17278	85.5,85.5
70	2147	2971	1368	3092	2147	3092	1368	2971	65- 70	1775	19052	94.3,94.3
75	830.9	1077	199.3	1210	830.9	1210	199.3	1077	70- 75	789.7	19842	98.2,98.2
80	226.7	326.5	33.38	376.3	226.7	376.3	33.38	326.5	75- 80	273.2	20115	99.6,99.6
85	30.45	42.92	27.61	60.64	30.45	60.64	27.61	42.92	80- 85	69.98	20185	99.9,99.9
90	0	0	0	0	0	0	0	0	85- 90	12.55	20198	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

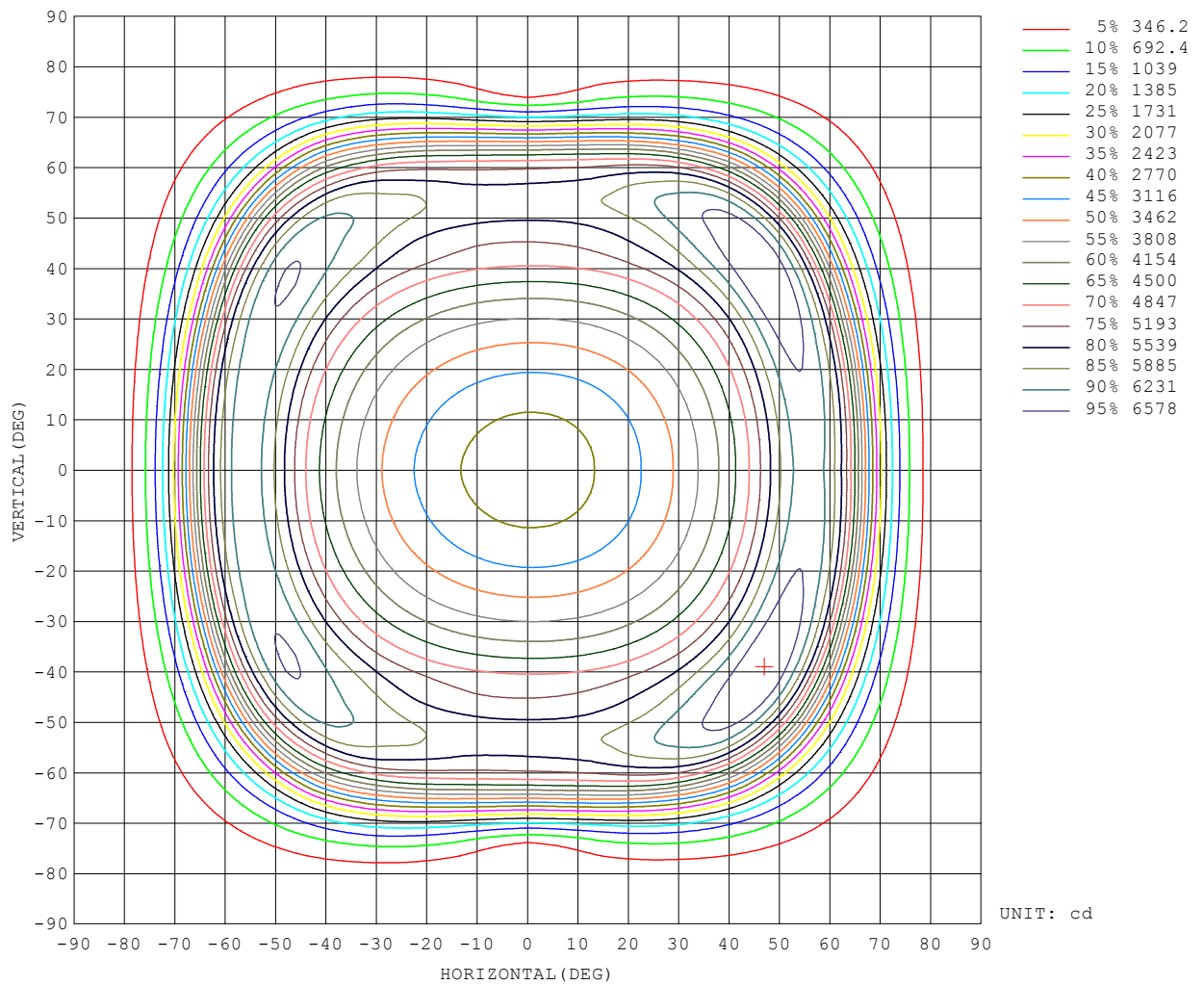
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-05-07

Checker: LI

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

Assessor:

ISOCANDELA DIAGRAM



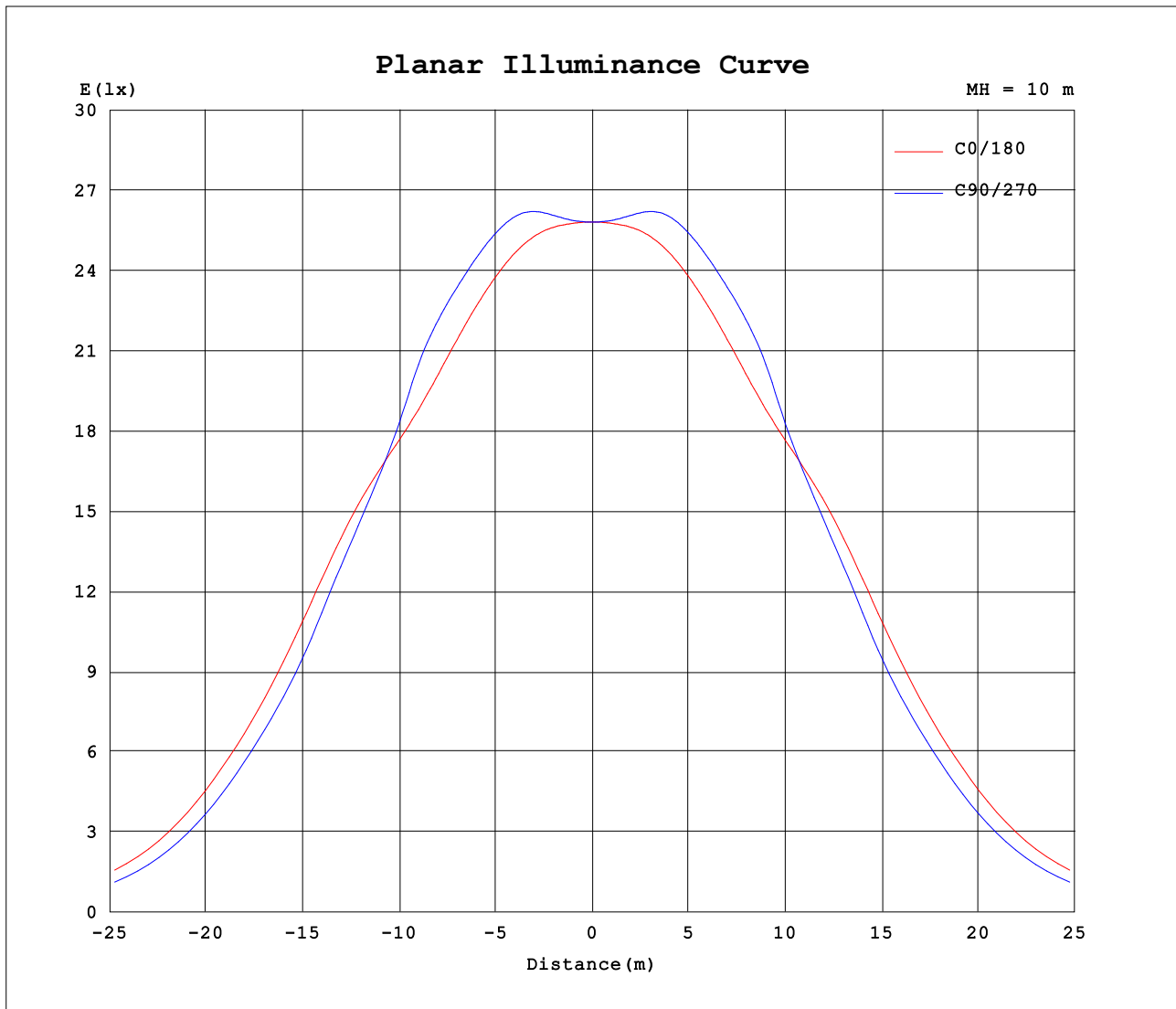
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-05-07

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 9.500m [K=1.0000]
Remarks:

Checker: LI

Assessor:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-05-07

Checker: LI

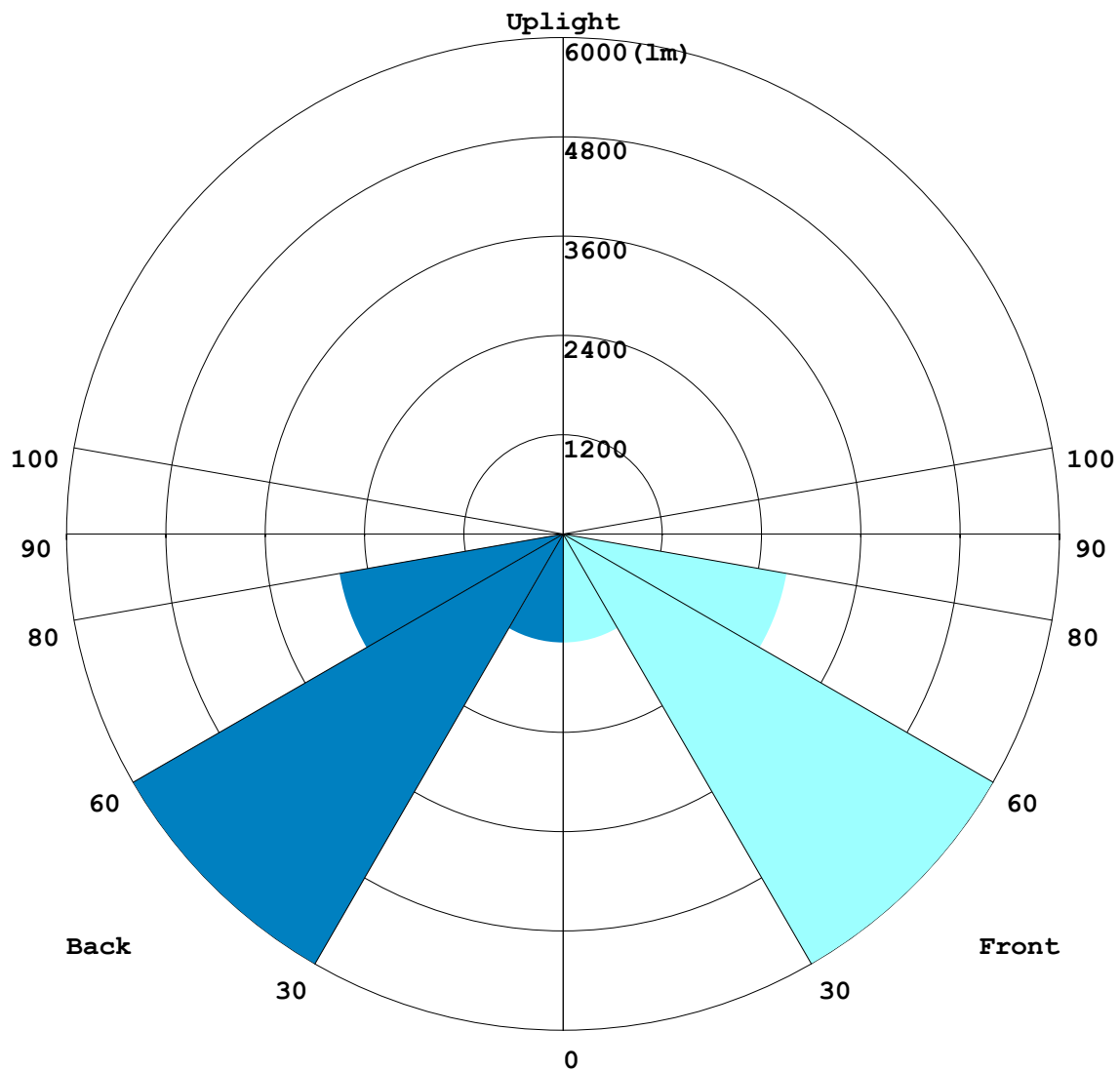
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 9.500m [K=1.0000]
Remarks:

Assessor:

LCS REPORT

Test:U:230.0V I:0.7991A P:177.7W PF:0.9667 Lamp Flux:20197.7x1 lm		
NAME: ST07-180	TYPE:180W	WEIGHT:
SPEC.:4000K Ra70 R17605	DIM.: 0.763*0.352*0.225	SERIAL No.:
MFR.:	SUR.:0.24*0.25	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-05-07

Checker: LI

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

Assessor:

BUG REPORT

Test:U:230.0V I:0.7991A P:177.7W PF:0.9667 Lamp Flux:20197.7x1 lm		
NAME: ST07-180	TYPE:180W	WEIGHT:
SPEC.:4000K Ra70 R17605	DIM.: 0.763*0.352*0.225	SERIAL No.:
MFR.:	SUR.:0.24*0.25	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1313.8	6.5
FM - Front-Medium(30-60)	5999.5	29.7
FH - Front-High(60-80)	2744.3	13.6
FVH - Front-Very High(80-90)	41.266	0.2
Total Forward Light	10099	50.0

BL - Back-Low(0-30)	1313.8	6.5
BM - Back-Medium(30-60)	5999.5	29.7
BH - Back-High(60-80)	2744.3	13.6
BVH - Back-Very High(80-90)	41.266	0.2
Total Back Light	10099	50.0

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	B4-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	10099	0	10099
Street Side	10099	0	10099

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-05-07

Checker: LI

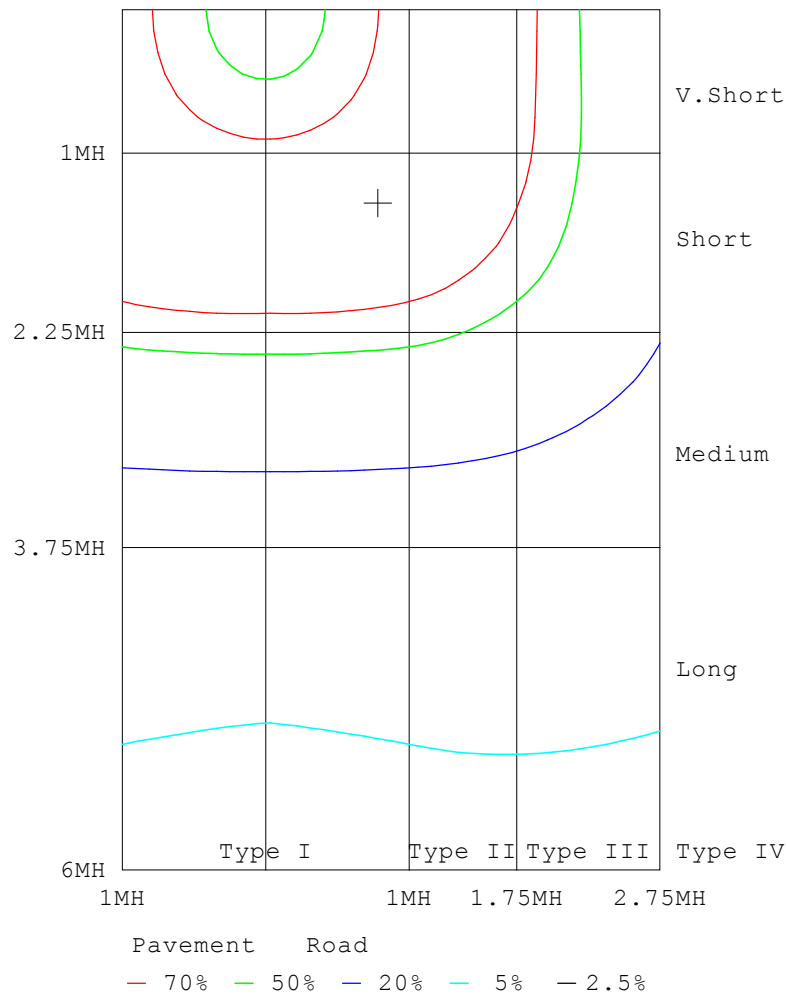
γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

Assessor:

ROAD ISOCANDELA REPORT

Test:U:230.0V I:0.7991A P:177.7W PF:0.9667 Lamp Flux:20197.7x1 lm		
NAME: ST07-180	TYPE:180W	WEIGHT:
SPEC.:4000K Ra70 R17605	DIM.: 0.763*0.352*0.225	SERIAL No.:
MFR.:	SUR.:0.24*0.25	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-05-07

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.500m [K=1.0000]
 Remarks:

Checker: LI

Assessor:

Assessor:

Assessor:

Assessor:

Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--5

UNIT: cd

[illegible]

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-05-07

Checker: LI

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

```

Assessor:

Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--7

UNIT: cd

[illegible]

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-05-07

Checker: LI

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

```

Assessor:

Assessor: