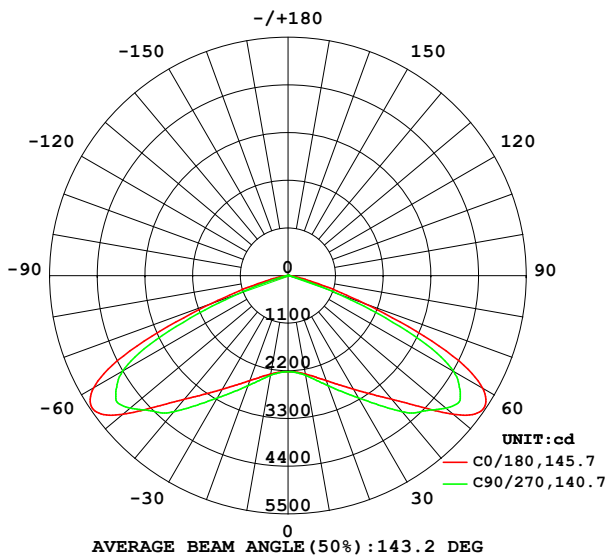
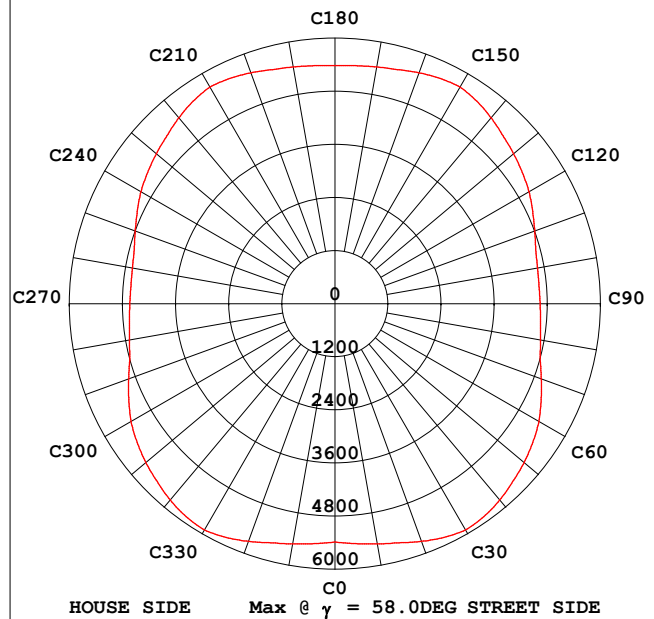


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.0V I:0.6483A P:147.6W PF:0.9898 Lamp Flux:17318.8x1 lm		
NAME: ST07-150	TYPE:150W	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: 117.34 lm/W			
MODEL	NICHIA3030	Imax (cd)	5901	η street_up (%)	0.0
NOMINAL POWER (W)	150	LOR (%)	100.0	η street_down (%)	50.0
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	17319	η house_up (%)	0.0
NOMINAL FLUX (lm)	17318.8	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

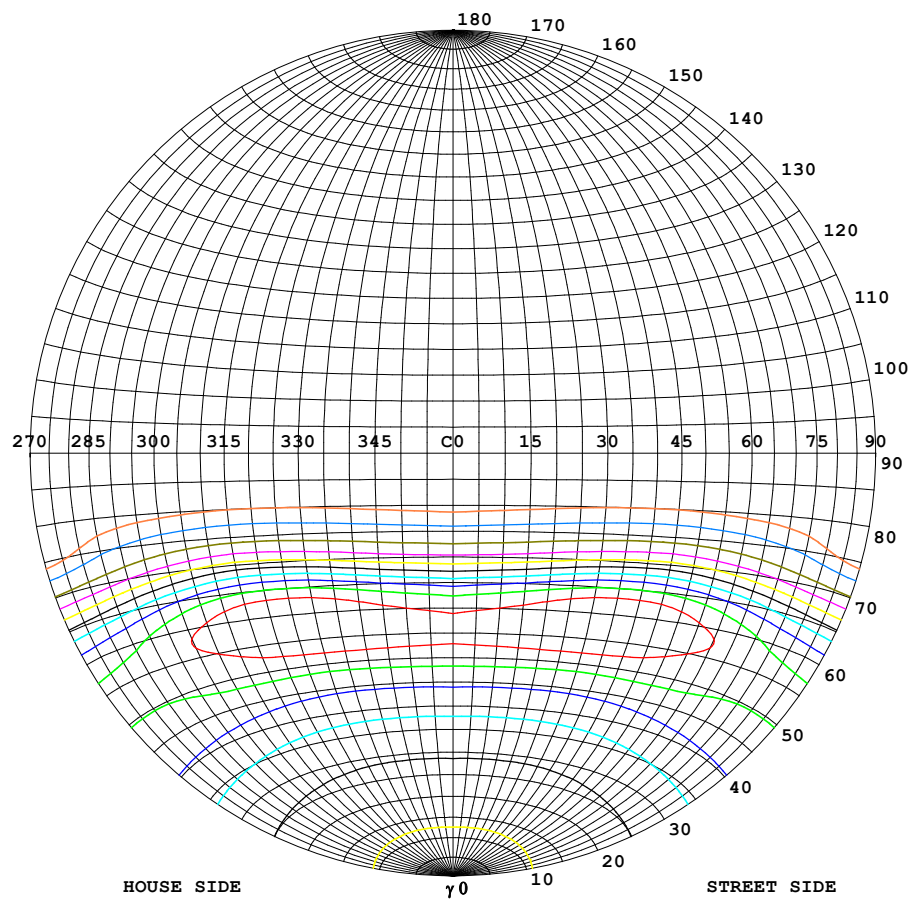
C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-05-07

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:Broad - Short

IES:Full cut-off

CIE:Full cut-off

Max.At80:19.08cd/klm

Max.At90:0cd/klm

Max.80-90:19.08cd/klm

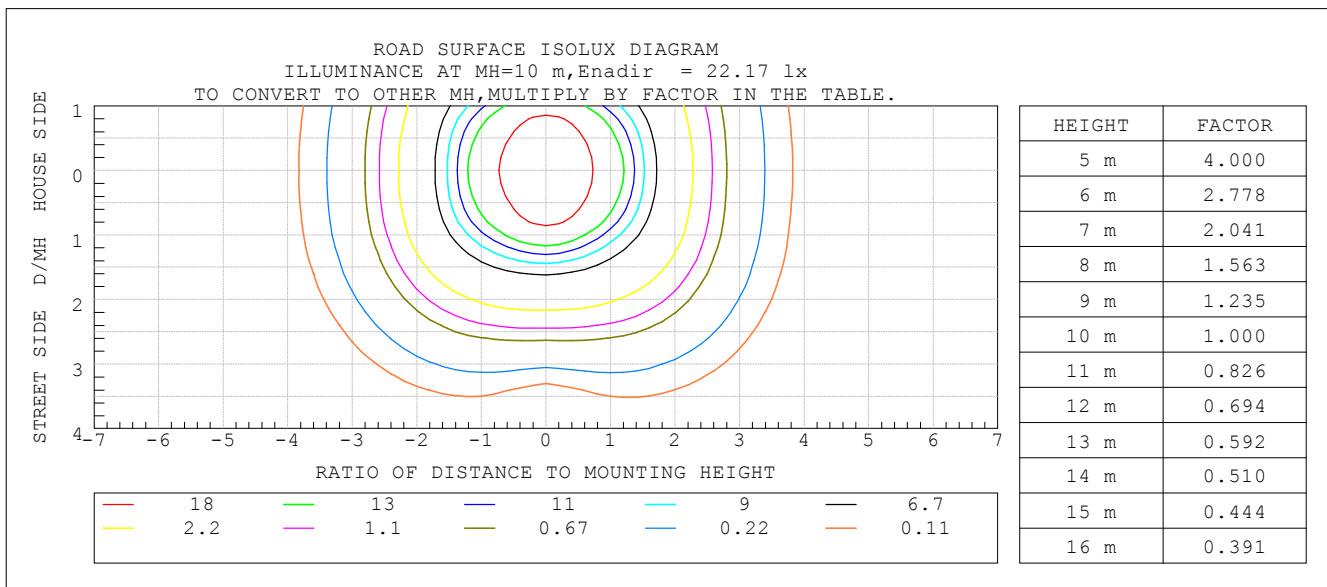
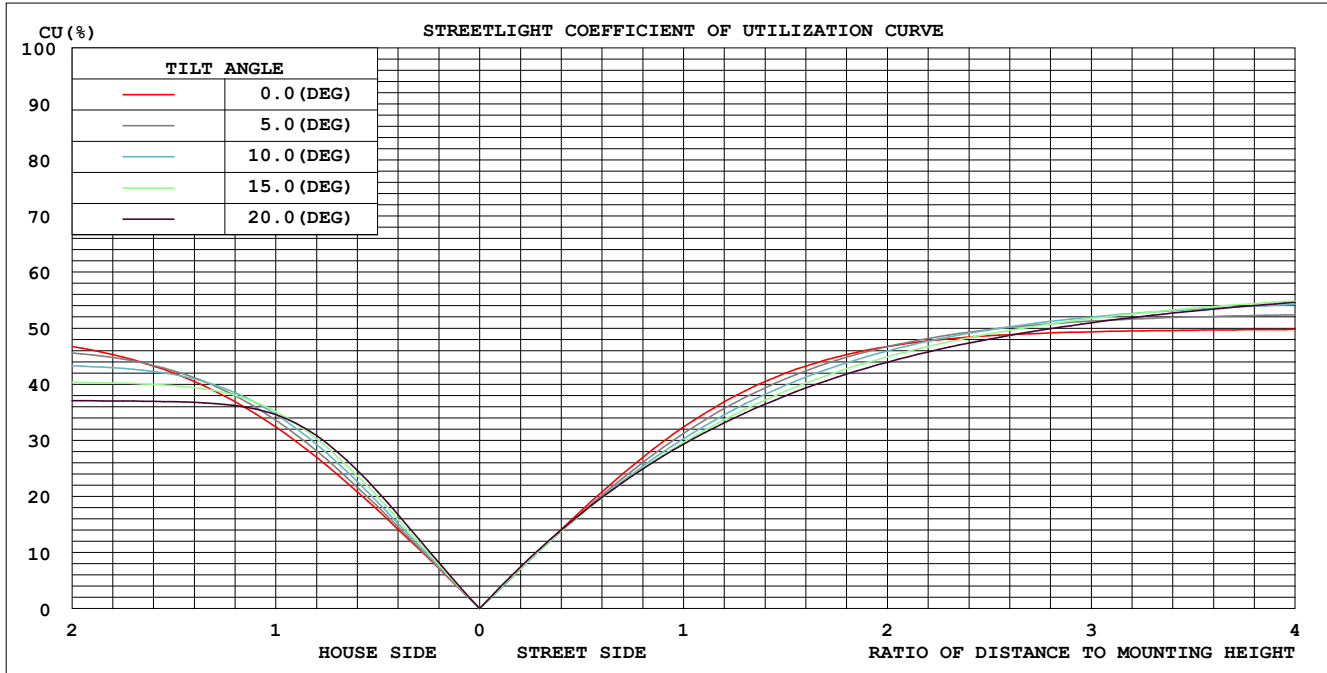
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	5901
90%	5311
80%	4721
70%	4131
60%	3541
50%	2951
40%	2361
30%	1770
20%	1180
10%	590
5%	295

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

Checker: LI

gamma Range: 0 - 90DEG
gamma 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

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:

ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
5	2239	2241	2247	2245	2239	2245	2247	2241	0- 5	53.32	53.32	0.31,0.31
10	2308	2317	2339	2330	2308	2330	2339	2317	5- 10	163.3	216.7	1.25,1.25
15	2422	2442	2495	2466	2422	2466	2495	2442	10- 15	283.5	500.2	2.89,2.89
20	2578	2614	2704	2646	2578	2646	2704	2614	15- 20	419.7	919.9	5.31,5.31
25	2778	2831	2955	2868	2778	2868	2955	2831	20- 25	576.2	1496	8.64,8.64
30	3029	3094	3260	3133	3029	3133	3260	3094	25- 30	757.3	2253	13,13
35	3338	3412	3641	3454	3338	3454	3641	3412	30- 35	969.5	3223	18.6,18.6
40	3727	3814	4099	3855	3727	3855	4099	3814	35- 40	1223	4445	25.7,25.7
45	4266	4330	4421	4353	4266	4353	4421	4330	40- 45	1523	5968	34.5,34.5
50	4977	4965	4757	4913	4977	4913	4757	4965	45- 50	1863	7831	45.2,45.2
55	5444	5522	4855	5242	5444	5242	4855	5522	50- 55	2227	10057	58.1,58.1
60	5180	5685	4410	5330	5180	5330	4410	5685	55- 60	2443	12500	72.2,72.2
65	3848	4668	3033	4403	3848	4403	3033	4668	60- 65	2276	14776	85.3,85.3
70	1879	2579	1216	2671	1879	2671	1216	2579	65- 70	1537	16313	94.2,94.2
75	728.3	948.7	186.1	1057	728.3	1057	186.1	948.7	70- 75	692.5	17006	98.2,98.2
80	197.7	287.9	27.70	330.1	197.7	330.1	27.70	287.9	75- 80	241.0	17247	99.6,99.6
85	27.43	36.99	23.56	53.67	27.43	53.67	23.56	36.99	80- 85	61.54	17308	99.9,99.9
90	0	0	0	0	0	0	0	0	85- 90	10.70	17319	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		

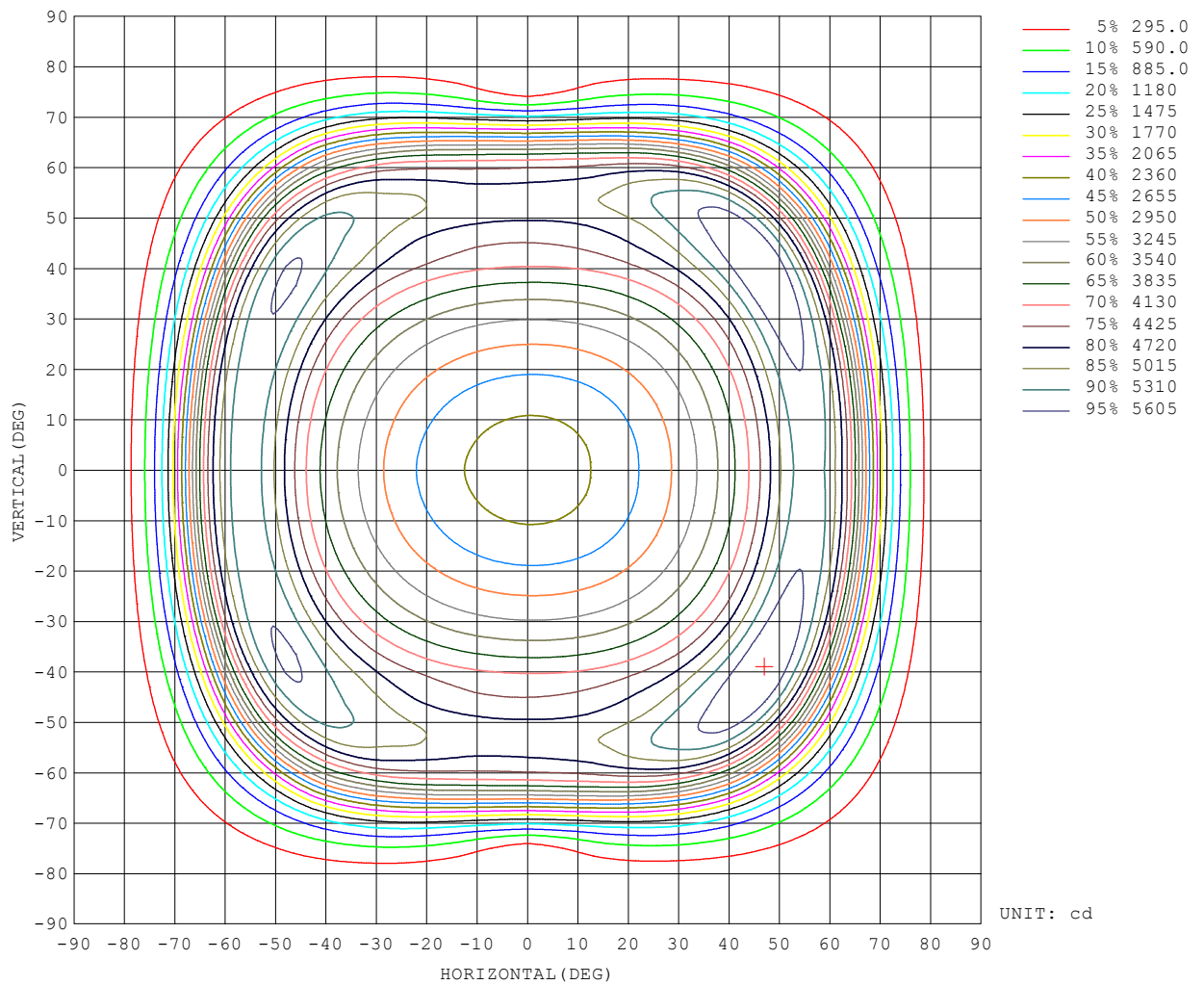
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-05-07

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



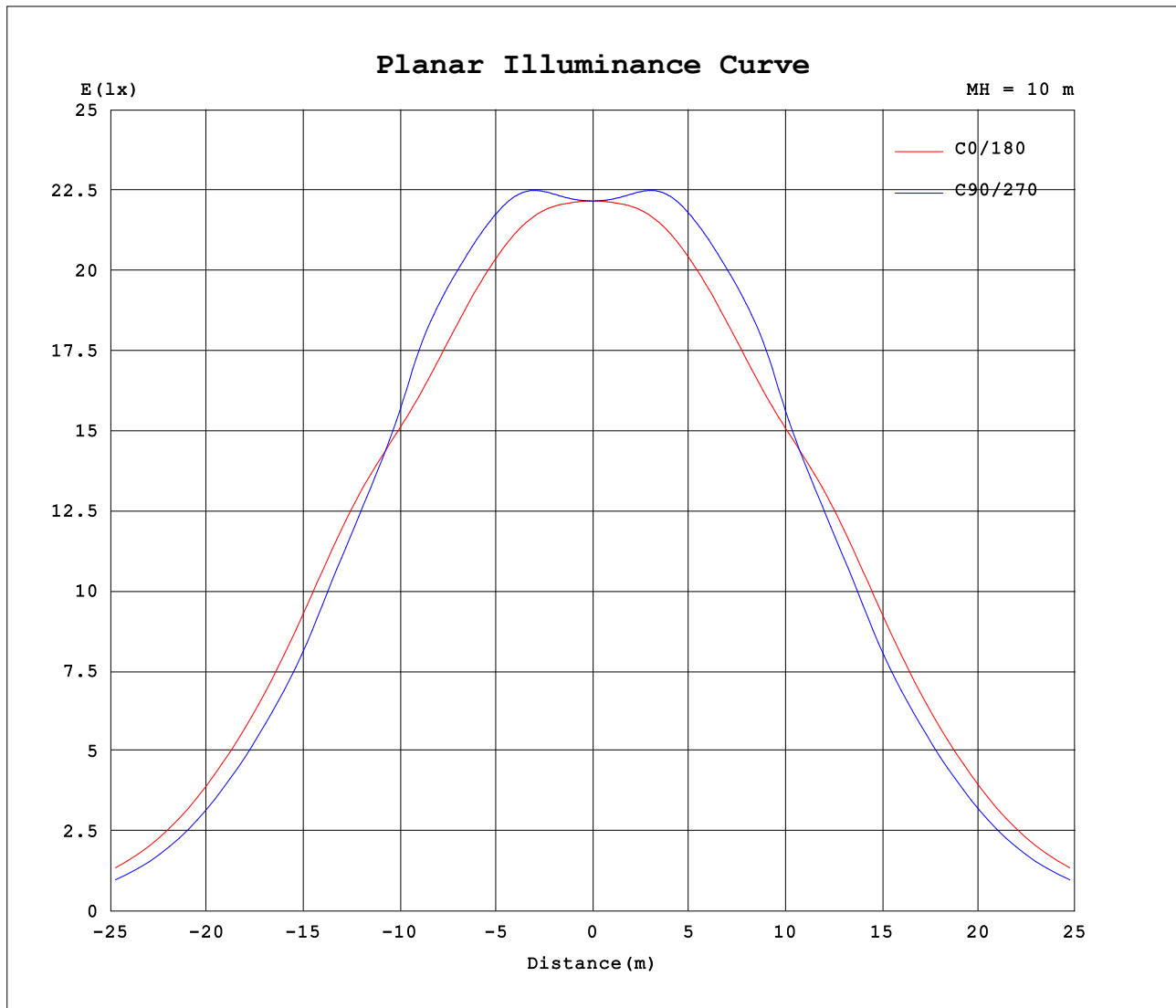
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-05-07

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

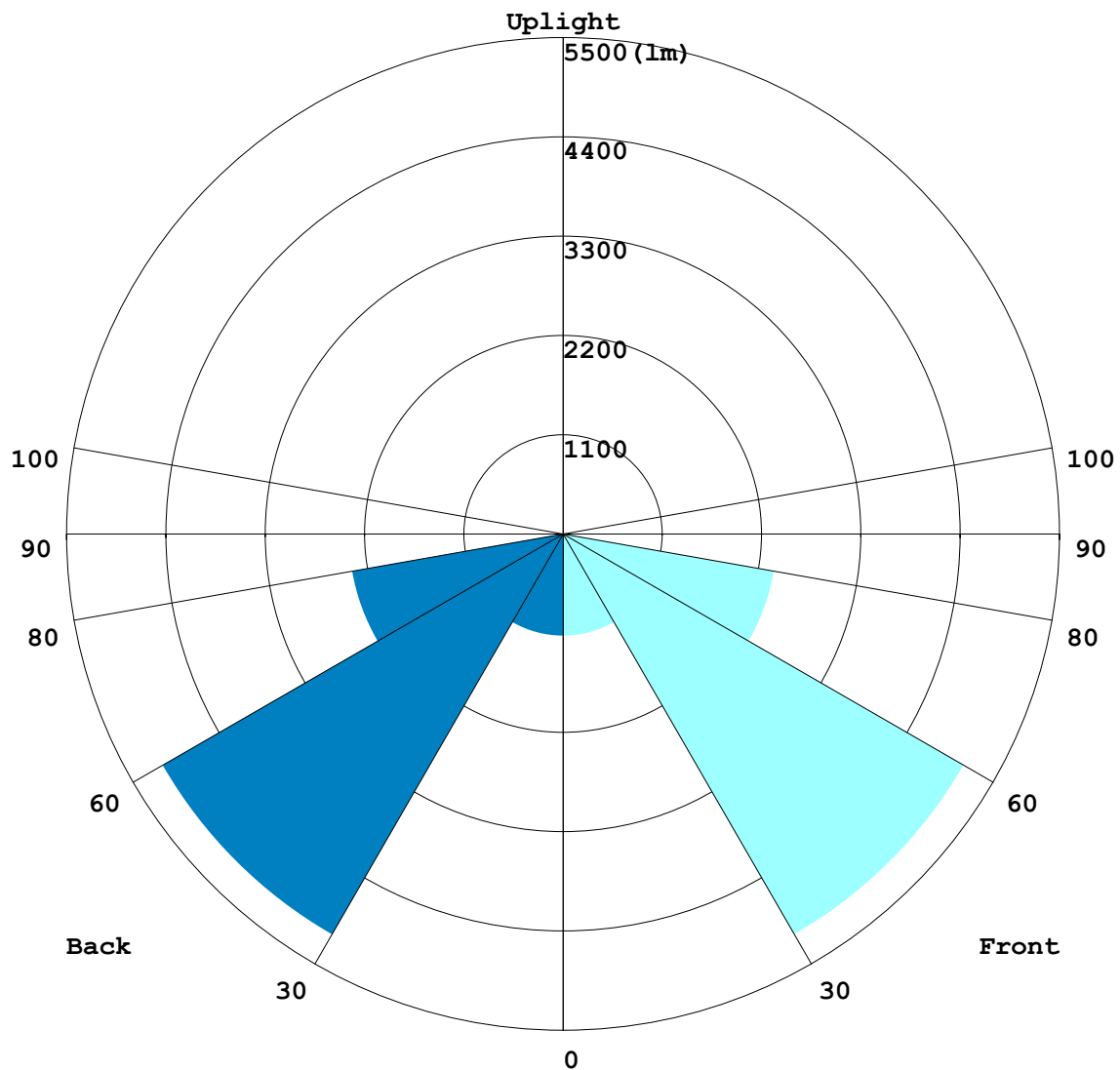
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 9.500m [K=1.0000]
Remarks:

Assessor:

LCS REPORT

Test:U:230.0V I:0.6483A P:147.6W PF:0.9898 Lamp Flux:17318.8x1 lm		
NAME: ST07-150	TYPE:150W	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:0.6483A P:147.6W PF:0.9898 Lamp Flux:17318.8x1 lm		
NAME: ST07-150	TYPE:150W	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)	1126.7	6.5
FM - Front-Medium(30-60)	5123.5	29.6
FH - Front-High(60-80)	2373.1	13.7
FVH - Front-Very High(80-90)	36.119	0.2
Total Forward Light	8659.4	50.0

BL - Back-Low(0-30)	1126.7	6.5
BM - Back-Medium(30-60)	5123.5	29.6
BH - Back-High(60-80)	2373.1	13.7
BVH - Back-Very High(80-90)	36.119	0.2
Total Back Light	8659.4	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	8659.4	0	8659.4
Street Side	8659.4	0	8659.4

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

Checker: LI

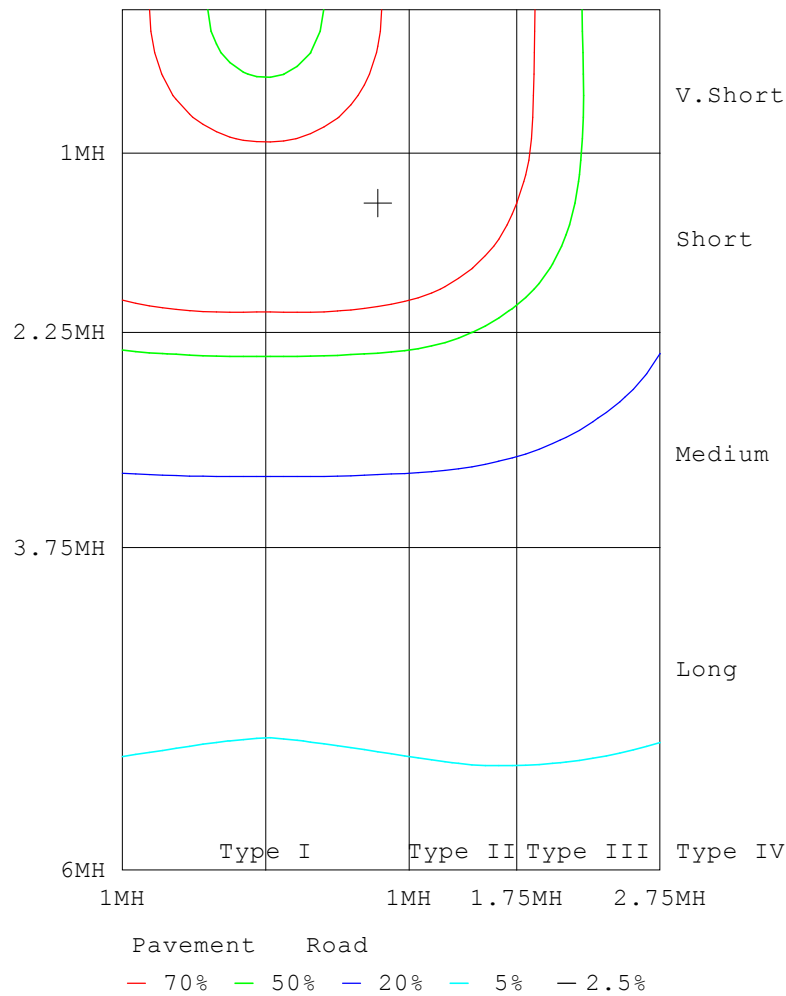
γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

Assessor:

ROAD ISOCANDELA REPORT

Test:U:230.0V I:0.6483A P:147.6W PF:0.9898 Lamp Flux:17318.8x1 lm		
NAME: ST07-150	TYPE:150W	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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--4

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:

Assessor:

Assessor:

UNIT: cd

Assessor: