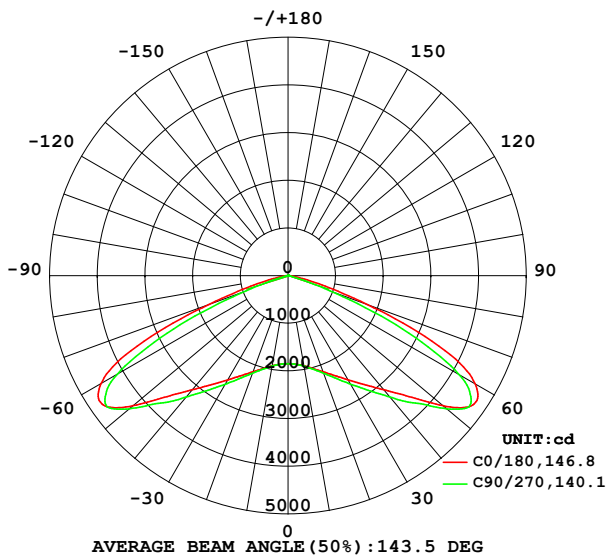
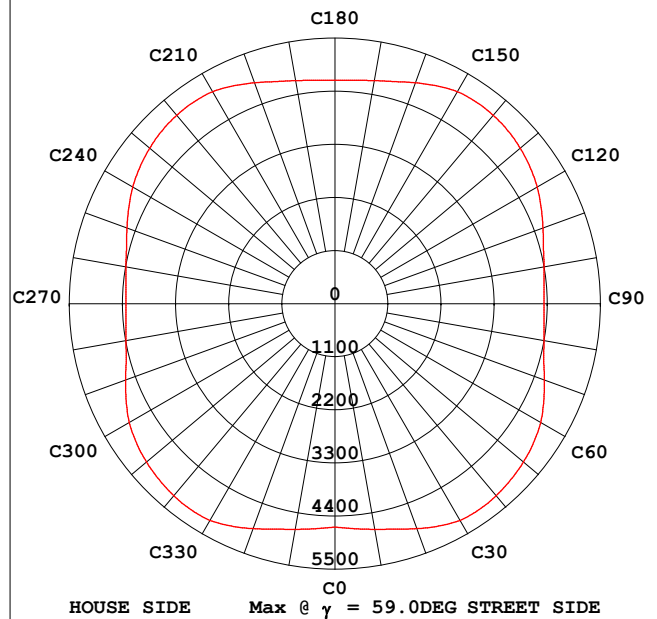


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.1V I:0.5330A P:118.7W PF:0.9679 Lamp Flux:15031x1 lm		
NAME: ST07-120	TYPE:120W	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: 126.64 lm/W			
MODEL	NICHIA3030	Imax (cd)	5206	η street_up (%)	0.0
NOMINAL POWER (W)	120	LOR (%)	100.0	η street_down (%)	50.0
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	15031	η house_up (%)	0.0
NOMINAL FLUX (lm)	15031	MAXIMUM @ (C, γ)	35,59.0	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

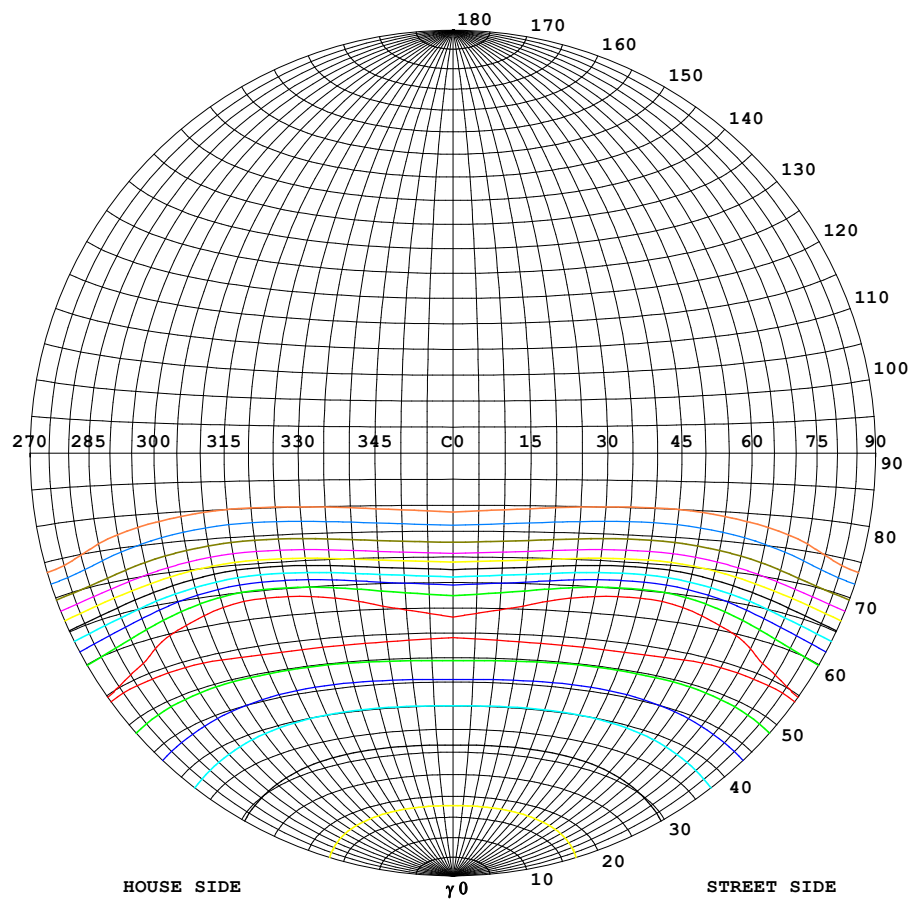
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-05-07

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.At80:18.54cd/klm

Max.At90:0cd/klm

Max.80-90:18.54cd/klm

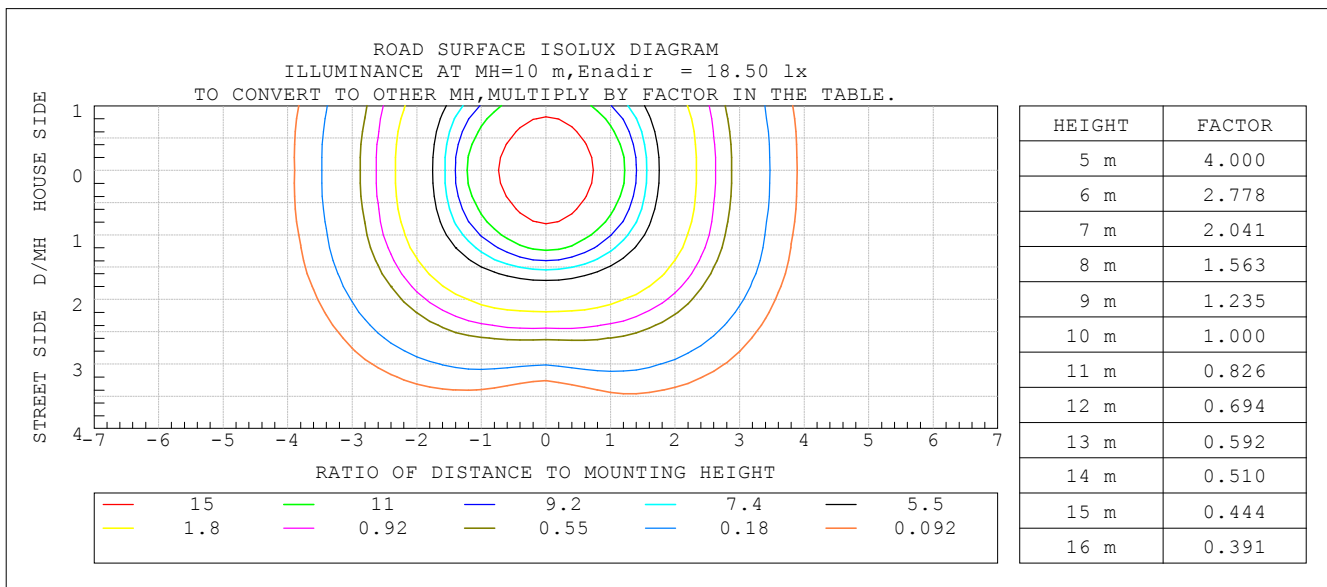
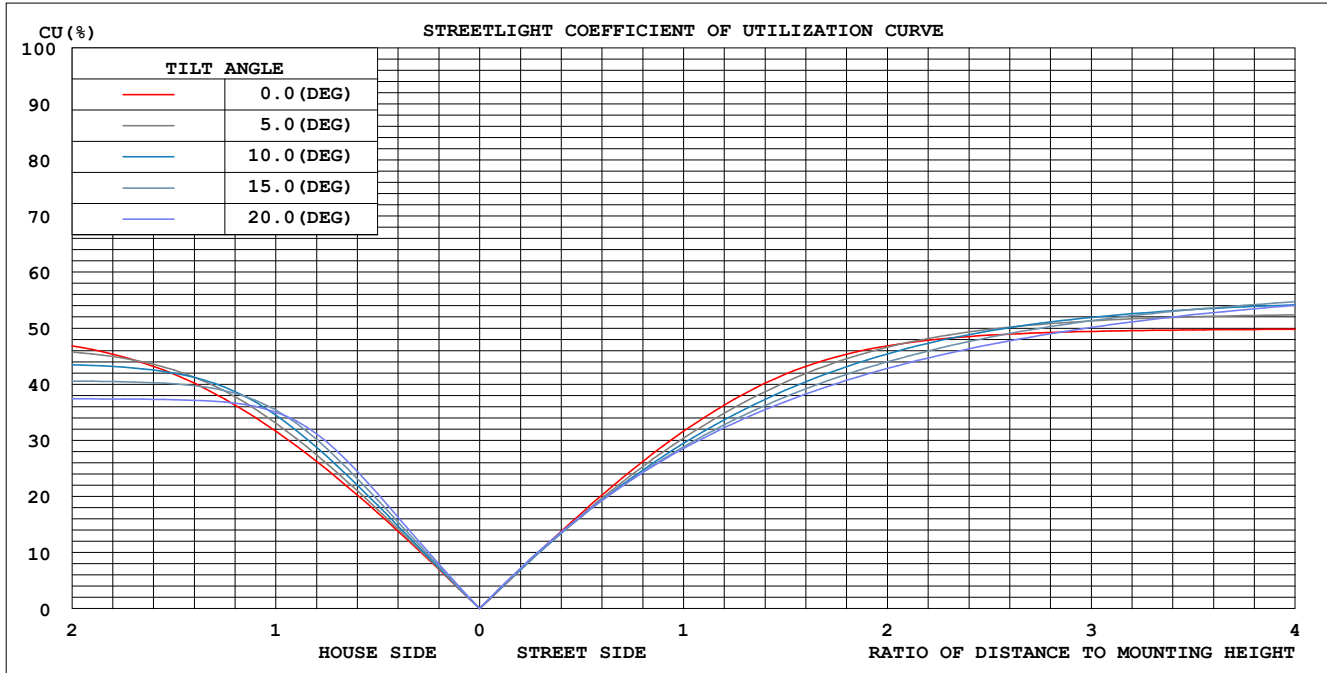
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	5206
90%	4685
80%	4165
70%	3644
60%	3124
50%	2603
40%	2082
30%	1562
20%	1041
10%	521
5%	260

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

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	1867	1867	1869	1869	1867	1869	1869	1867	0- 5	44.44	44.44	0.30,0.30
10	1923	1923	1928	1928	1923	1928	1928	1923	5- 10	135.7	180.1	1.2,1.2
15	2017	2017	2032	2027	2017	2027	2032	2017	10- 15	234.3	414.4	2.76,2.76
20	2146	2149	2179	2162	2146	2162	2179	2149	15- 20	344.6	759.0	5.05,5.05
25	2313	2319	2376	2337	2313	2337	2376	2319	20- 25	471.4	1230	8.19,8.19
30	2527	2536	2630	2556	2527	2556	2630	2536	25- 30	619.7	1850	12.3,12.3
35	2792	2805	2934	2825	2792	2825	2934	2805	30- 35	795.0	2645	17.6,17.6
40	3126	3144	3324	3166	3126	3166	3324	3144	35- 40	1004	3649	24.3,24.3
45	3588	3591	3783	3616	3588	3616	3783	3591	40- 45	1264	4913	32.7,32.7
50	4249	4214	4345	4232	4249	4232	4345	4214	45- 50	1592	6505	43.3,43.3
55	4732	4878	4679	4844	4732	4844	4679	4878	50- 55	1983	8488	56.5,56.5
60	4530	5145	4134	5040	4530	5040	4134	5145	55- 60	2235	10723	71.3,71.3
65	3494	4165	2654	4126	3494	4126	2654	4165	60- 65	2066	12789	85.1,85.1
70	1768	2264	944.6	2310	1768	2310	944.6	2264	65- 70	1372	14161	94.2,94.2
75	671.5	860.1	131.9	909.7	671.5	909.7	131.9	860.1	70- 75	605.4	14766	98.2,98.2
80	172.2	259.1	14.49	274.3	172.2	274.3	14.49	259.1	75- 80	205.8	14972	99.6,99.6
85	17.87	31.13	16.91	40.51	17.87	40.51	16.91	31.13	80- 85	49.89	15022	99.9,99.9
90	0	0	0	0	0	0	0	0	85- 90	8.884	15031	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		

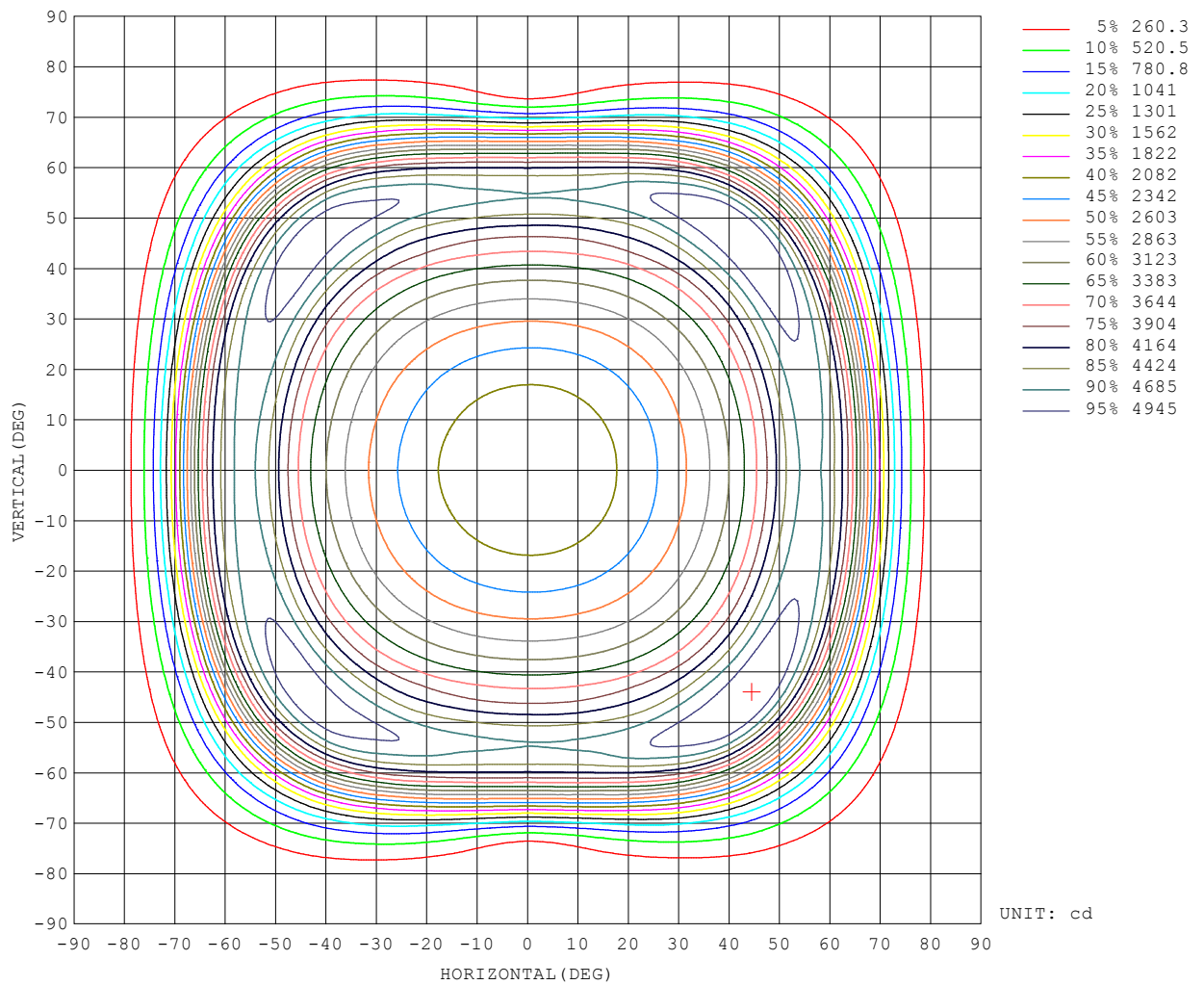
C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-05-07

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



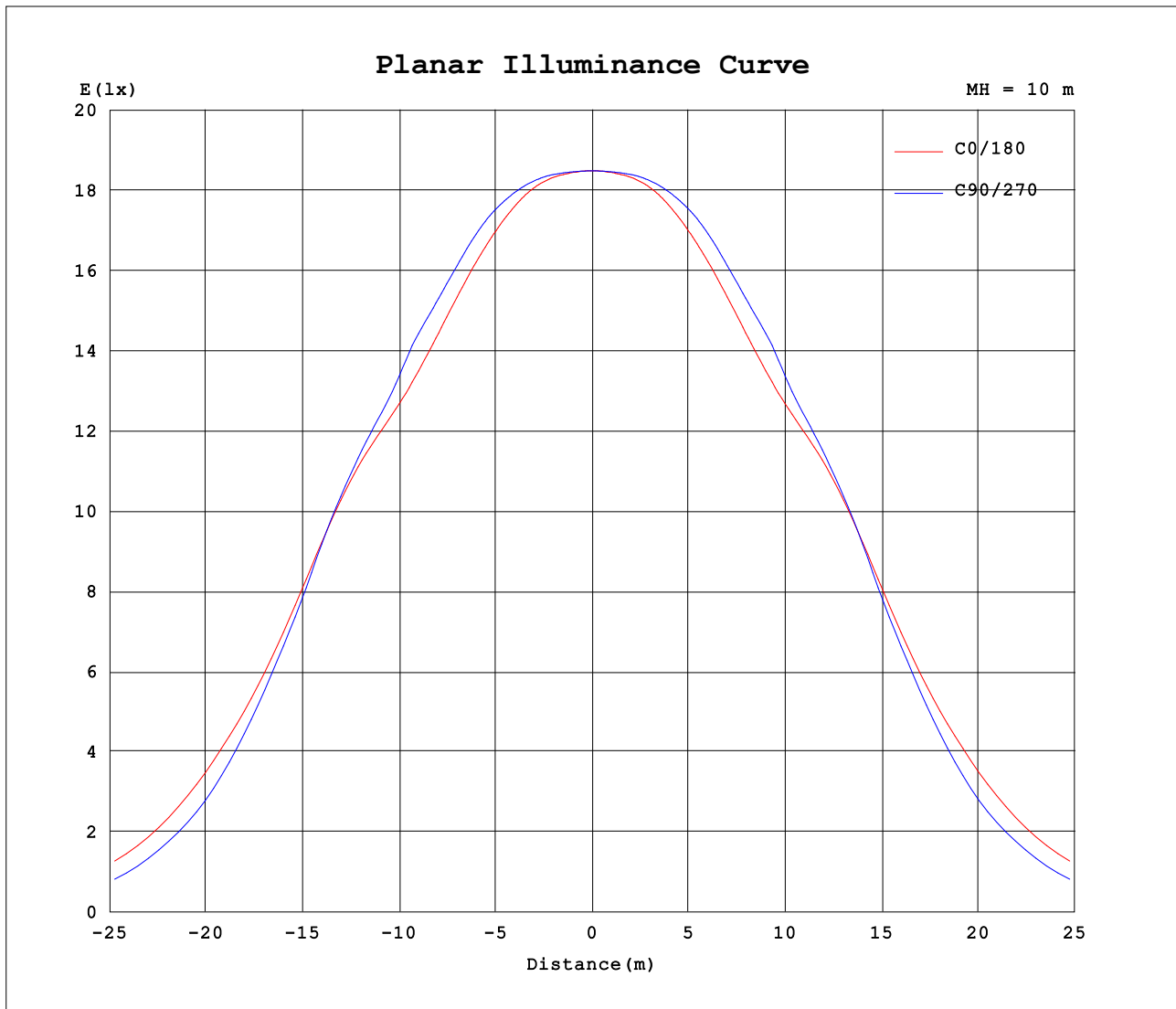
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-05-07

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

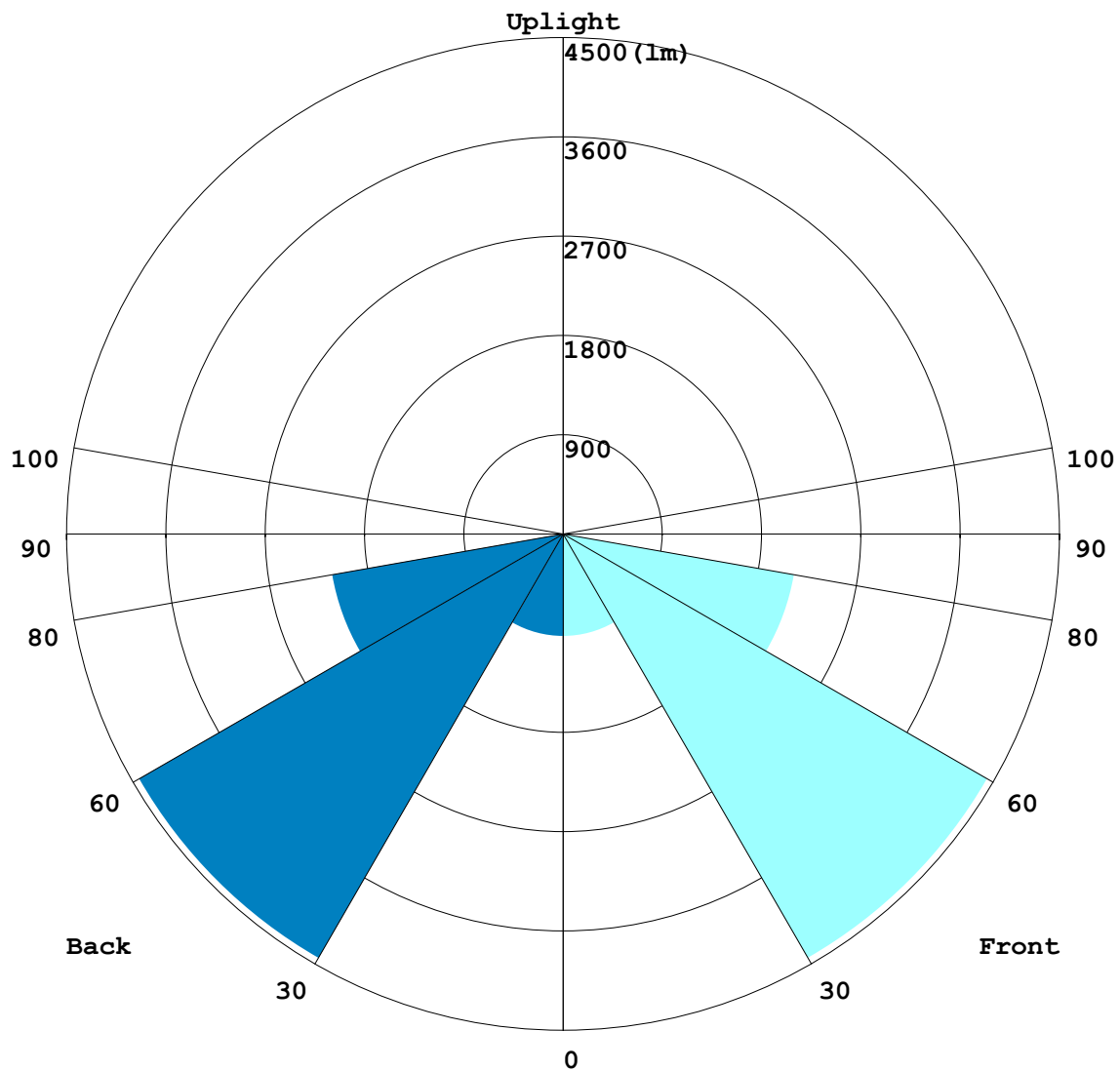
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 9.500m [K=1.0000]
Remarks:

Assessor:

LCS REPORT

Test:U:230.1V I:0.5330A P:118.7W PF:0.9679 Lamp Flux:15031x1 lm		
NAME: ST07-120	TYPE:120W	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:230.1V I:0.5330A P:118.7W PF:0.9679 Lamp Flux:15031x1 lm		
NAME: ST07-120	TYPE:120W	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)	925.05	6.2
FM - Front-Medium(30-60)	4436.5	29.5
FH - Front-High(60-80)	2124.6	14.1
FVH - Front-Very High(80-90)	29.386	0.2
Total Forward Light	7515.5	50.0

BL - Back-Low(0-30)	925.05	6.2
BM - Back-Medium(30-60)	4436.5	29.5
BH - Back-High(60-80)	2124.6	14.1
BVH - Back-Very High(80-90)	29.386	0.2
Total Back Light	7515.5	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	B3-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7515.5	0	7515.5
Street Side	7515.5	0	7515.5

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

Checker: LI

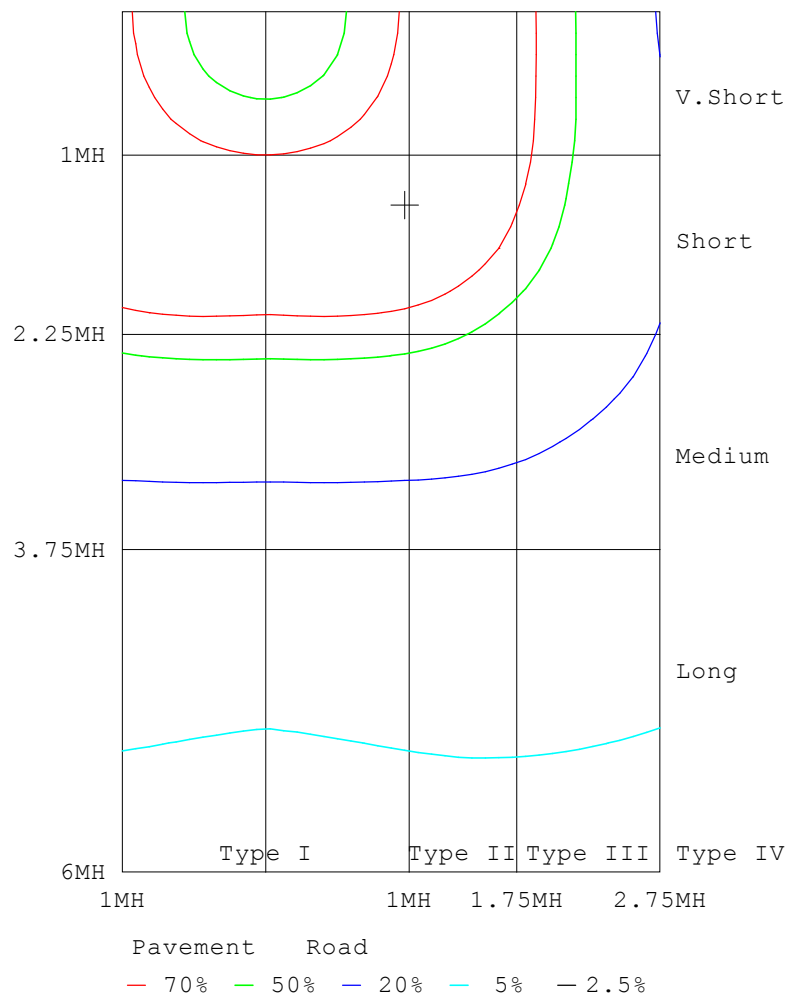
γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

Assessor:

ROAD ISOCANDELA REPORT

Test:U:230.1V I:0.5330A P:118.7W PF:0.9679 Lamp Flux:15031x1 lm		
NAME: ST07-120	TYPE:120W	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

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:

Assessor:

Assessor:

Assessor:

Assessor:

UNIT: cd

Assessor: