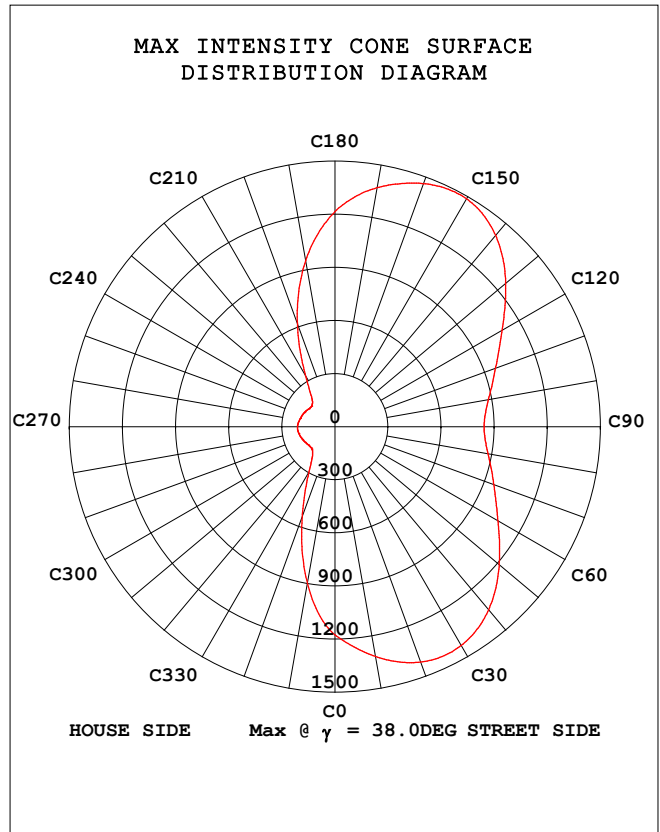
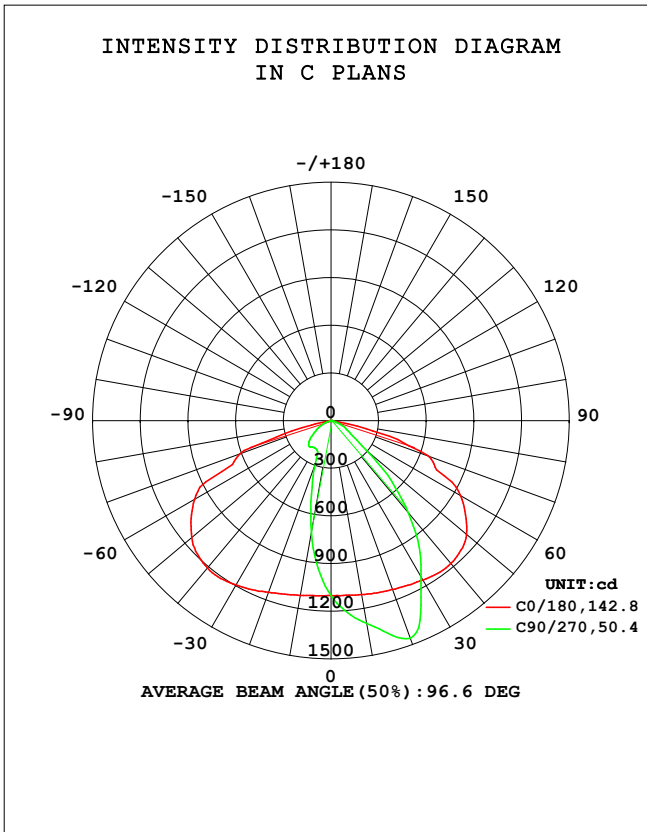


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.2V I:0.0950A P:20.85W PF:0.9531 Lamp Flux:2835.03x1 lm		
NAME: ST-20W-CW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.16*0.135	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 135.97 lm/W			
MODEL	NI303	I _{max} (cd)	1487	η street_up (%)	0.0
NOMINAL POWER (W)	20	LOR (%)	100.0	η street_down (%)	72.9
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	2835	η house_up (%)	0.0
NOMINAL FLUX (lm)	2835.03	MAXIMUM @ (C, γ)	150,38.0	η house_down (%)	27.1
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	230	η down (%)	100.0	SLI	



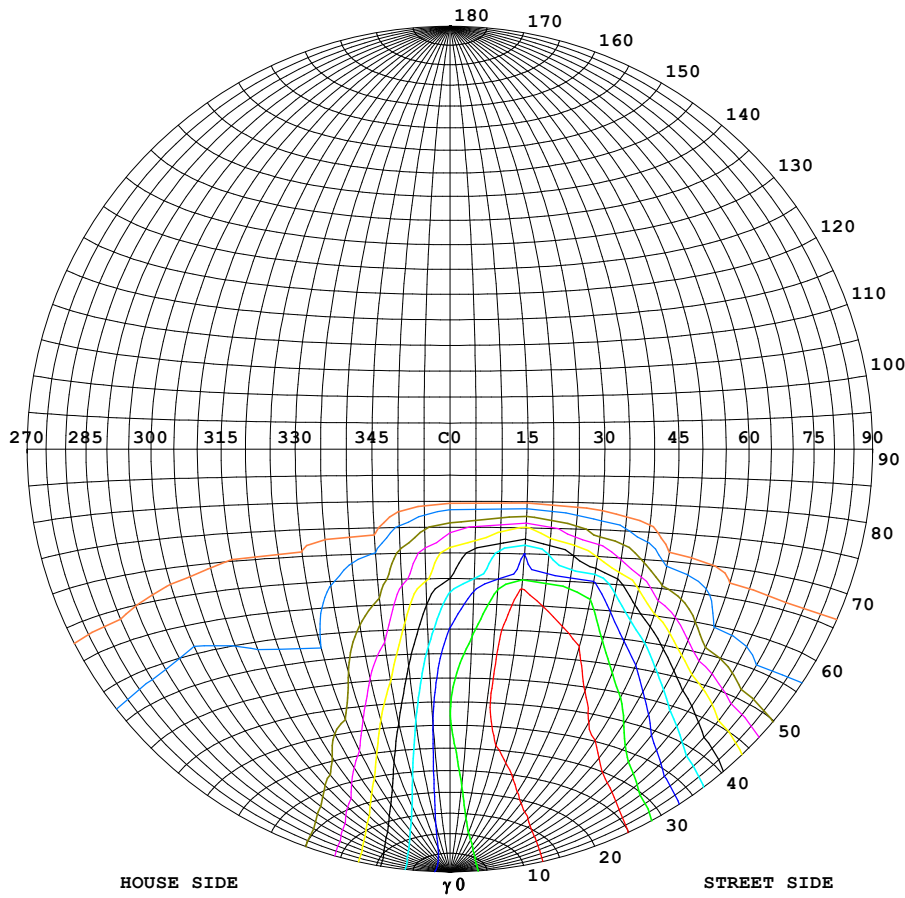
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2019-09-30

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 9.470m [K=1.0000]
 Remarks:

Checker: LI
 Note: SLI: Specific Luminaire Index

Assessor:

STREETLIGHT ISOCANDELA DIAGRAM



Classification:

IES:Type II - Very Short
 CIE:Narrow - Short
 IES:Full cut-off
 CIE:Semi-cut-off
 Max.At80:38.86cd/klm
 Max.At90:0cd/klm
 Max.80-90:38.86cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	1487
90%	1338
80%	1190
70%	1041
60%	892
50%	744
40%	595
30%	446
20%	297
10%	149
5%	74

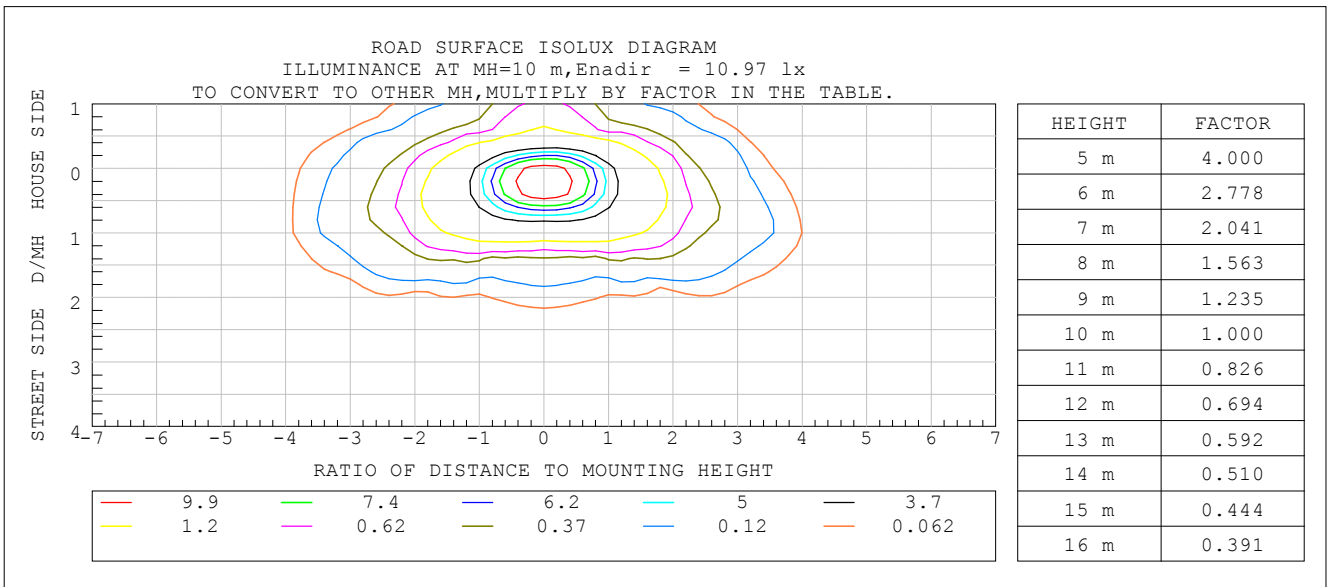
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-09-30

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

Checker: LI

Assessor:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-09-30

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 9.470m [K=1.0000]
Remarks:

Checker: LI

Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1112	1257	1296	1262	1117	864.9	715.9	847.5	0- 10	103.0	103.0	3.63,3.63
20	1130	1372	1458	1388	1150	544.9	292.8	505.9	10- 20	287.7	390.7	13.8,13.8
30	1158	1421	1135	1475	1195	253.6	200.7	234.2	20- 30	430.5	821.2	29,29
40	1173	1257	756.7	1316	1211	176.3	214.9	177.6	30- 40	516.8	1338	47.2,47.2
50	1113	1052	289.4	1089	1145	153.9	165.7	157.3	40- 50	541.3	1879	66.3,66.3
60	941.3	615.1	117.4	595.8	992.4	125.5	94.45	127.2	50- 60	477.1	2356	83.1,83.1
70	652.5	112.7	51.24	96.89	608.6	76.77	26.11	77.37	60- 70	343.2	2700	95.2,95.2
80	49.84	11.71	6.325	11.97	34.87	17.80	0.2505	18.04	70- 80	130.3	2830	99.8,99.8
90	0	0	0	0	0	0	0	0	80- 90	5.135	2835	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		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-09-30

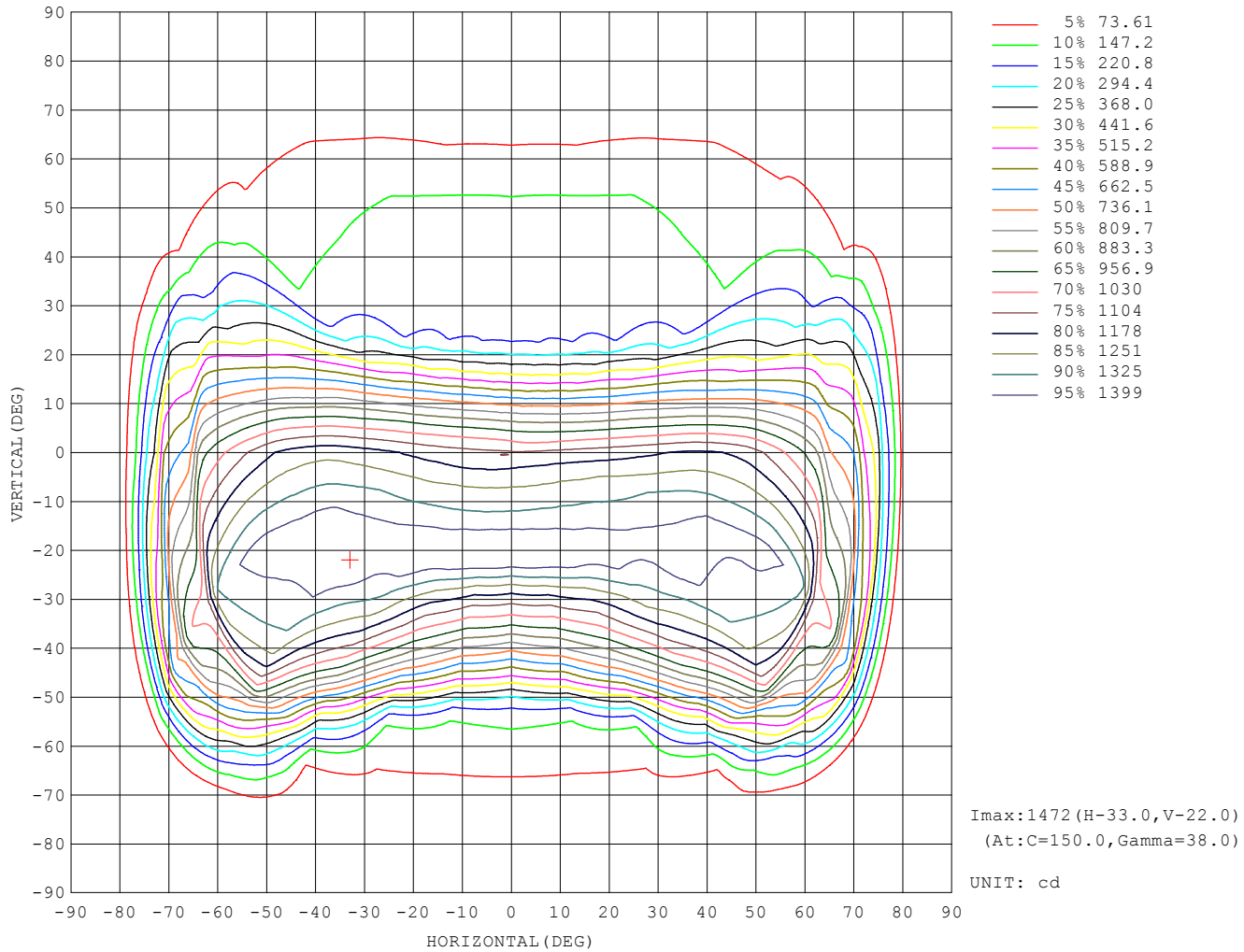
γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

Checker: LI

Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM



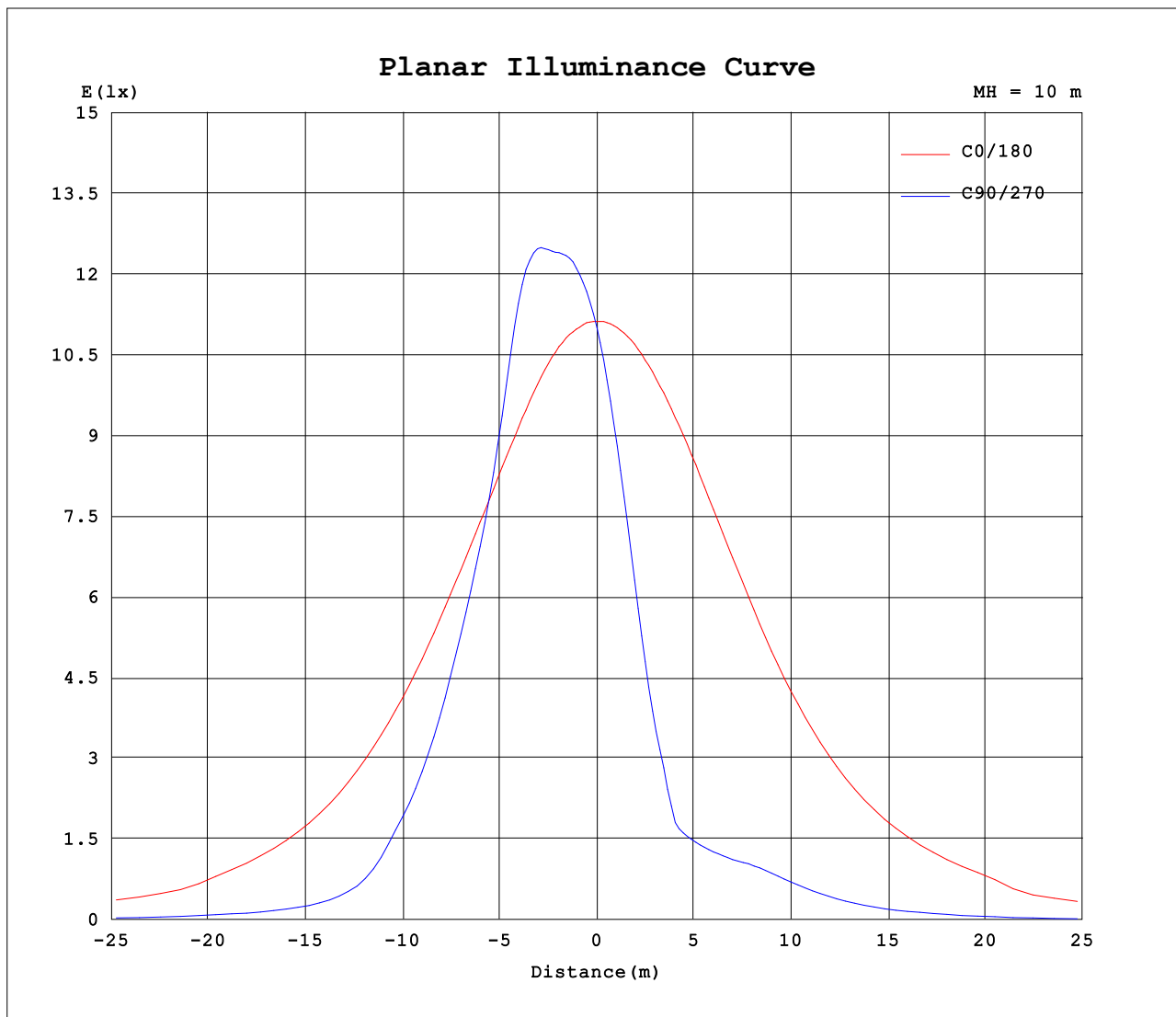
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-09-30

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.470m [K=1.0000]
Remarks:

Checker: LI

Assessor:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2019-09-30

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 9.470m [K=1.0000]
 Remarks:

Checker: LI

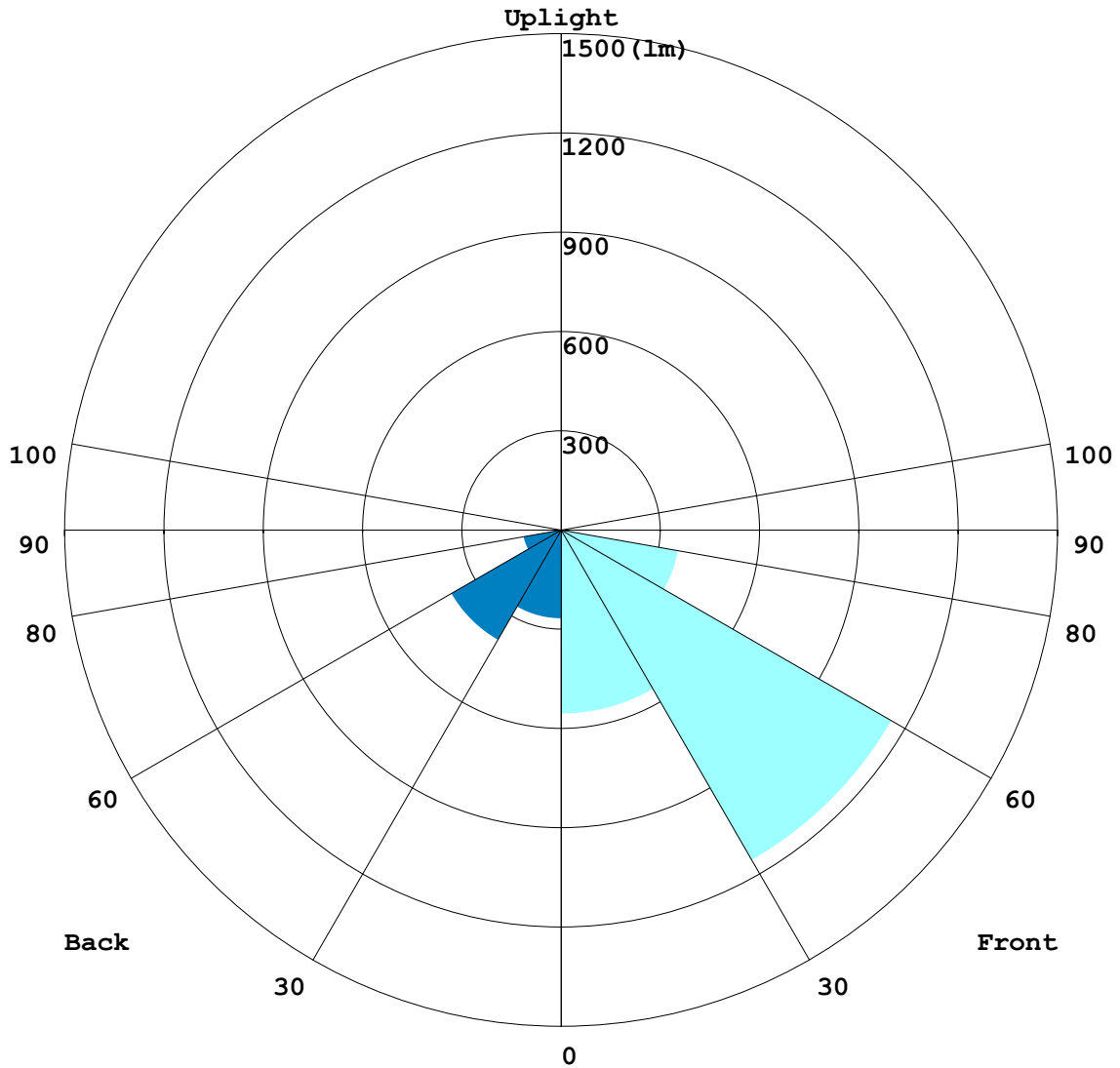
Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LCS REPORT

Test:U:230.2V I:0.0950A P:20.85W PF:0.9531 Lamp Flux:2835.03x1 lm		
NAME: ST-20W-CW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.16*0.135	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-09-30

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

Checker: LI

Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

BUG REPORT

Test:U:230.2V I:0.0950A P:20.85W PF:0.9531 Lamp Flux:2835.03x1 lm		
NAME: ST-20W-CW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.16*0.135	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	554.51	19.6
FM - Front-Medium(30-60)	1151.8	40.6
FH - Front-High(60-80)	358.3	12.6
FVH - Front-Very High(80-90)	2.872	0.1
Total Forward Light	2067.5	72.9

BL - Back-Low(0-30)	266.69	9.4
BM - Back-Medium(30-60)	383.36	13.5
BH - Back-High(60-80)	115.26	4.1
BVH - Back-Very High(80-90)	2.2632	0.1
Total Back Light	767.57	27.1

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	B1-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	767.57	0	767.57
Street Side	2067.5	0	2067.5

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-09-30

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

Checker: LI

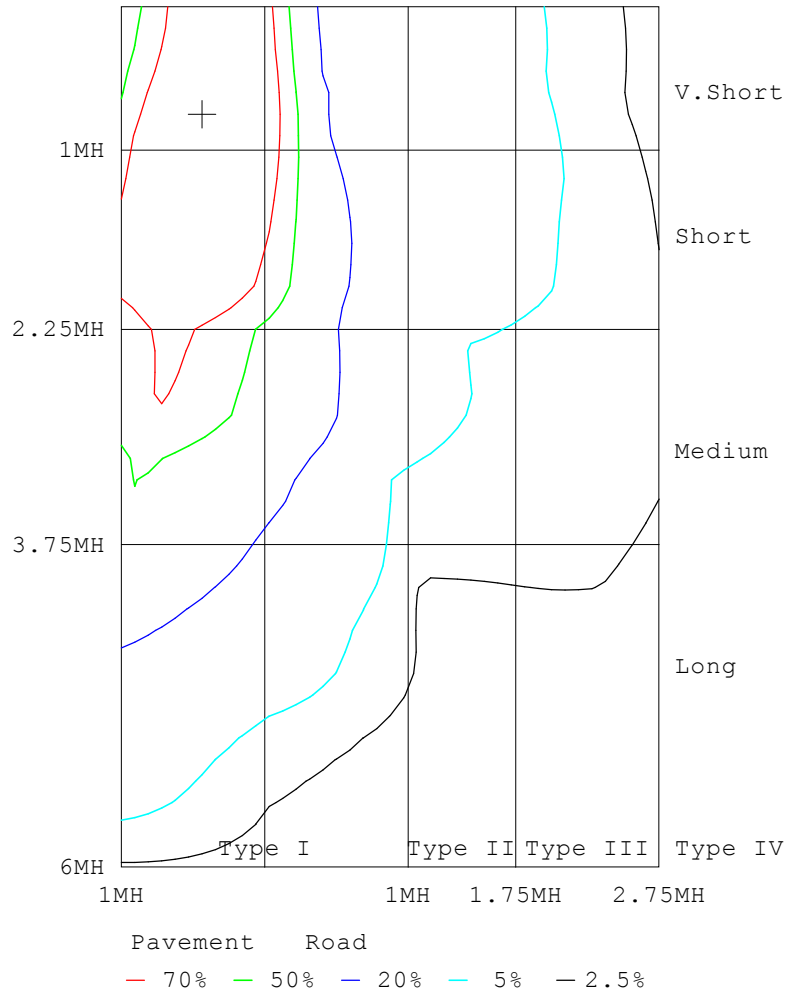
Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

Test:U:230.2V I:0.0950A P:20.85W PF:0.9531 Lamp Flux:2835.03x1 lm		
NAME: ST-20W-CW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.16*0.135	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-09-30

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

Checker: LI

Assessor: