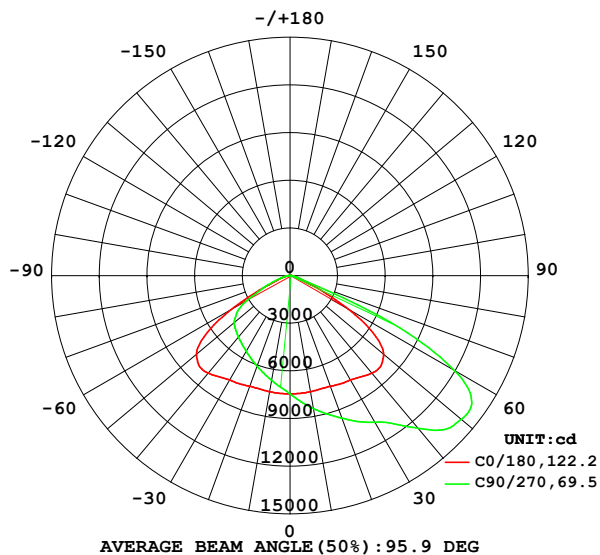
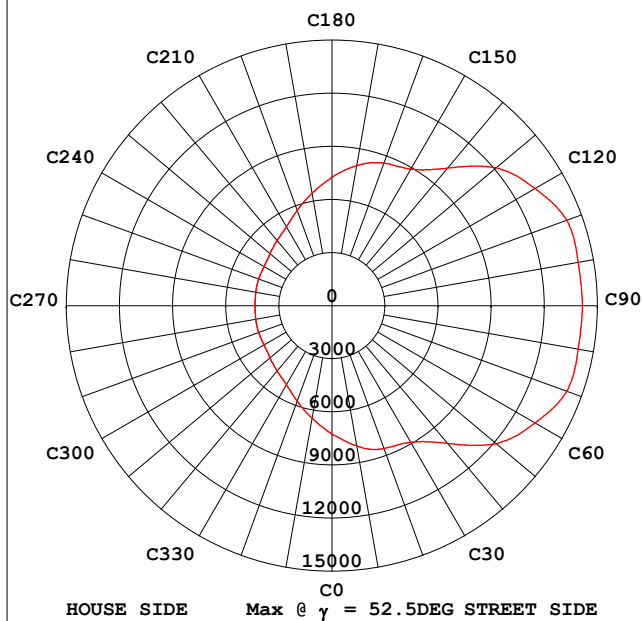


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.3V I:1.7130A P:204.16W PF:0.9990 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:29457.6x1 lm		
NAME: HA04-200-5770-F01613	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

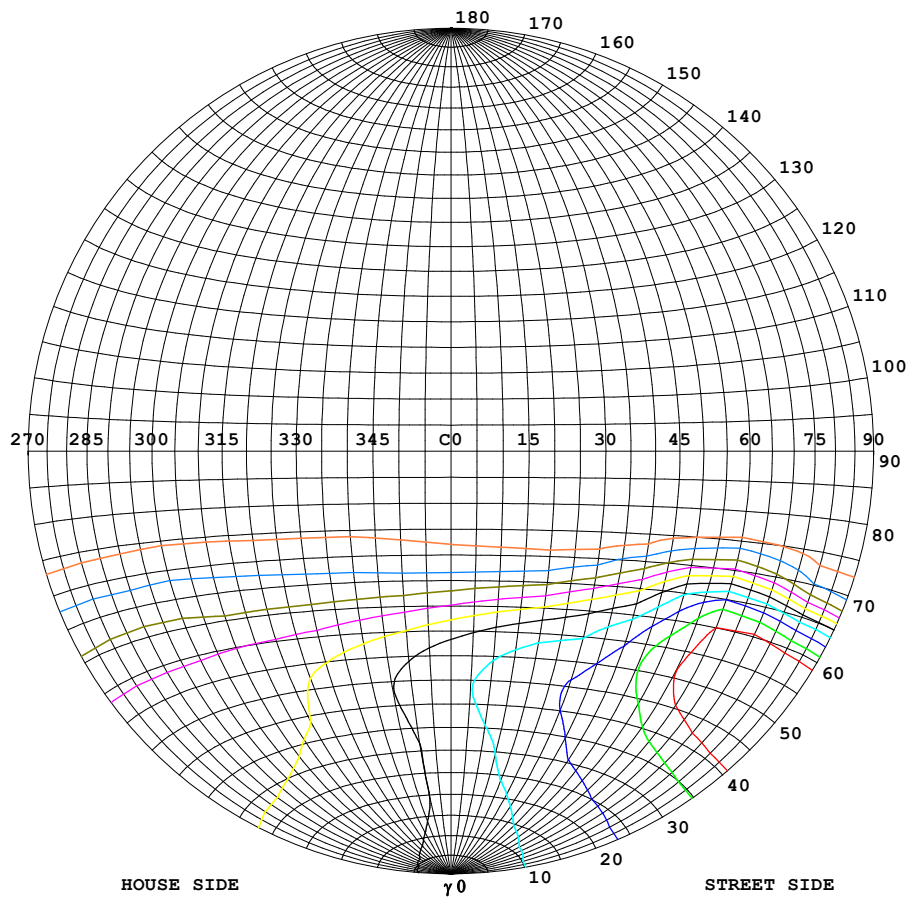
DATA OF LAMP		PHOTOMETRIC DATA Eff: 144.29 lm/W			
MODEL	/	I _{max} (cd)	14149	η street_up (%)	0.0
NOMINAL POWER (W)	/	LOR (%)	100.0	η street_down (%)	65.3
RATED VOLTAGE (V)	/	TOTAL FLUX (lm)	29458	η house_up (%)	0.0
NOMINAL FLUX (lm)	29457.6	MAXIMUM @ (C, γ)	90, 52.5	η house_down (%)	34.7
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	120	η down (%)	100.0	SLI	

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LYJ
Test Date: 2021-11-29

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 26.000m [K=0.4536]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

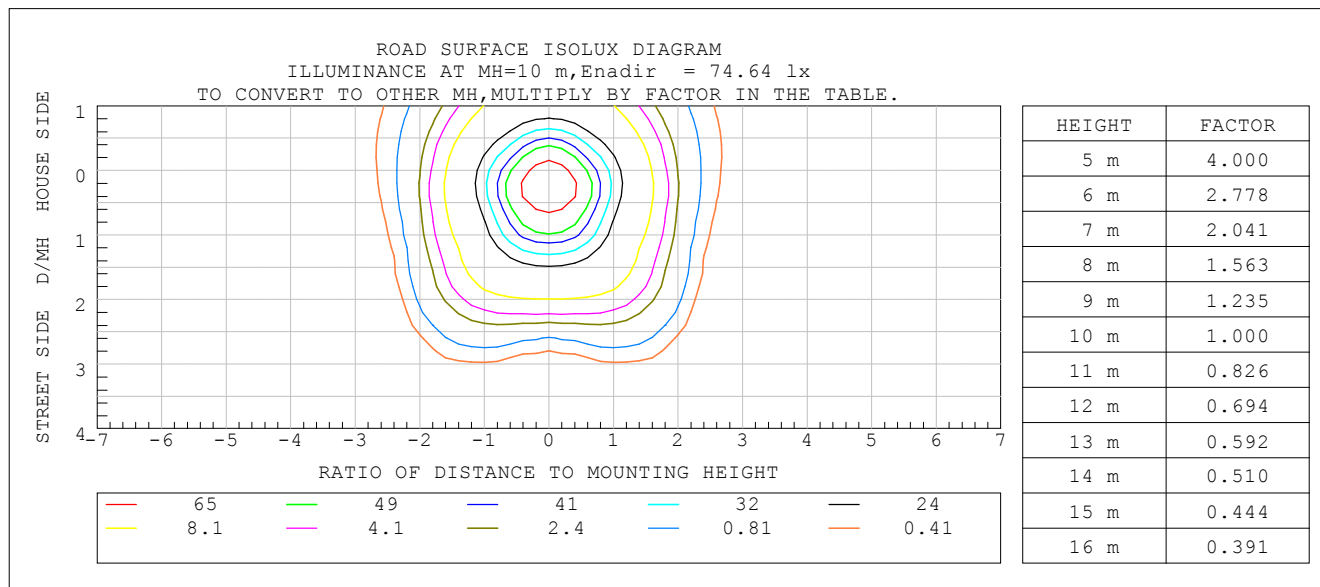
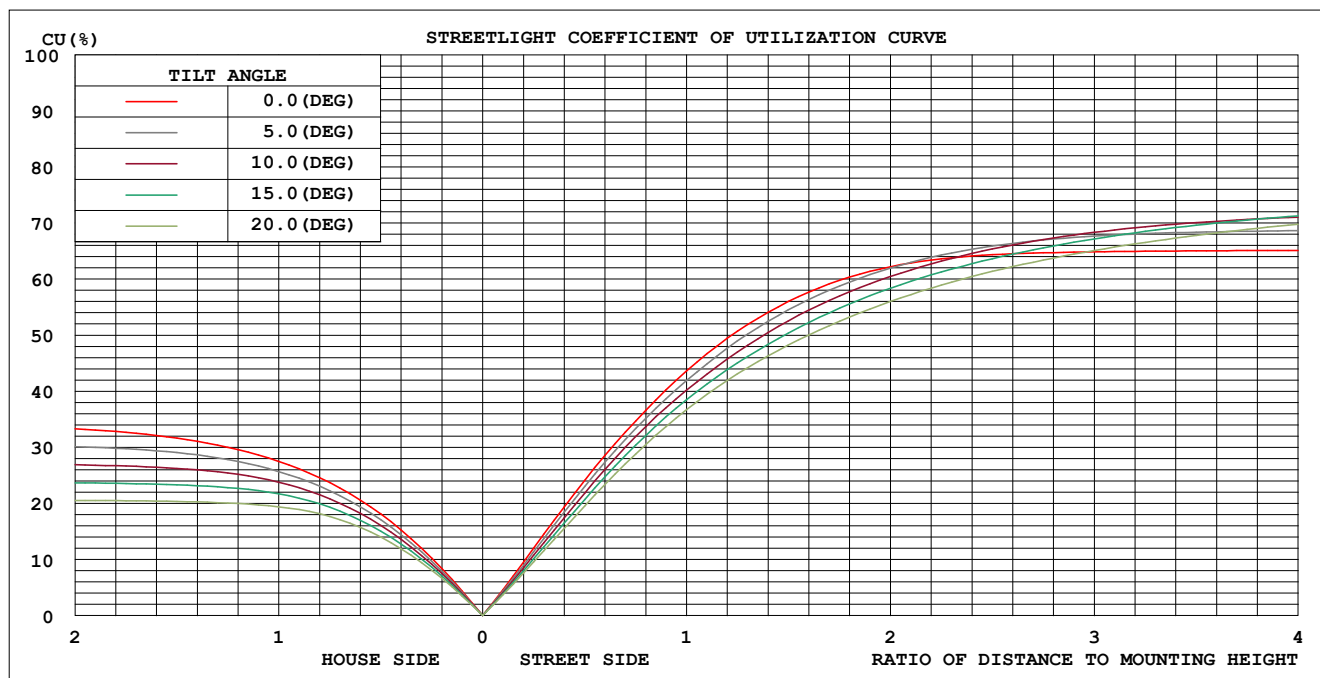


Classification:
IES:Type II - Short
CIE:Narrow - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:10.78cd/klm
Max.At90:0.1515cd/klm
Max.80-90:10.78cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	14149
90%	12734
80%	11319
70%	9904
60%	8489
50%	7074
40%	5660
30%	4245
20%	2830
10%	1415
5%	707

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LYJ
Test Date:2021-11-29

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:26.000m [K=0.4536]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LYJ
Test Date: 2021-11-29

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 26.000m [K=0.4536]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

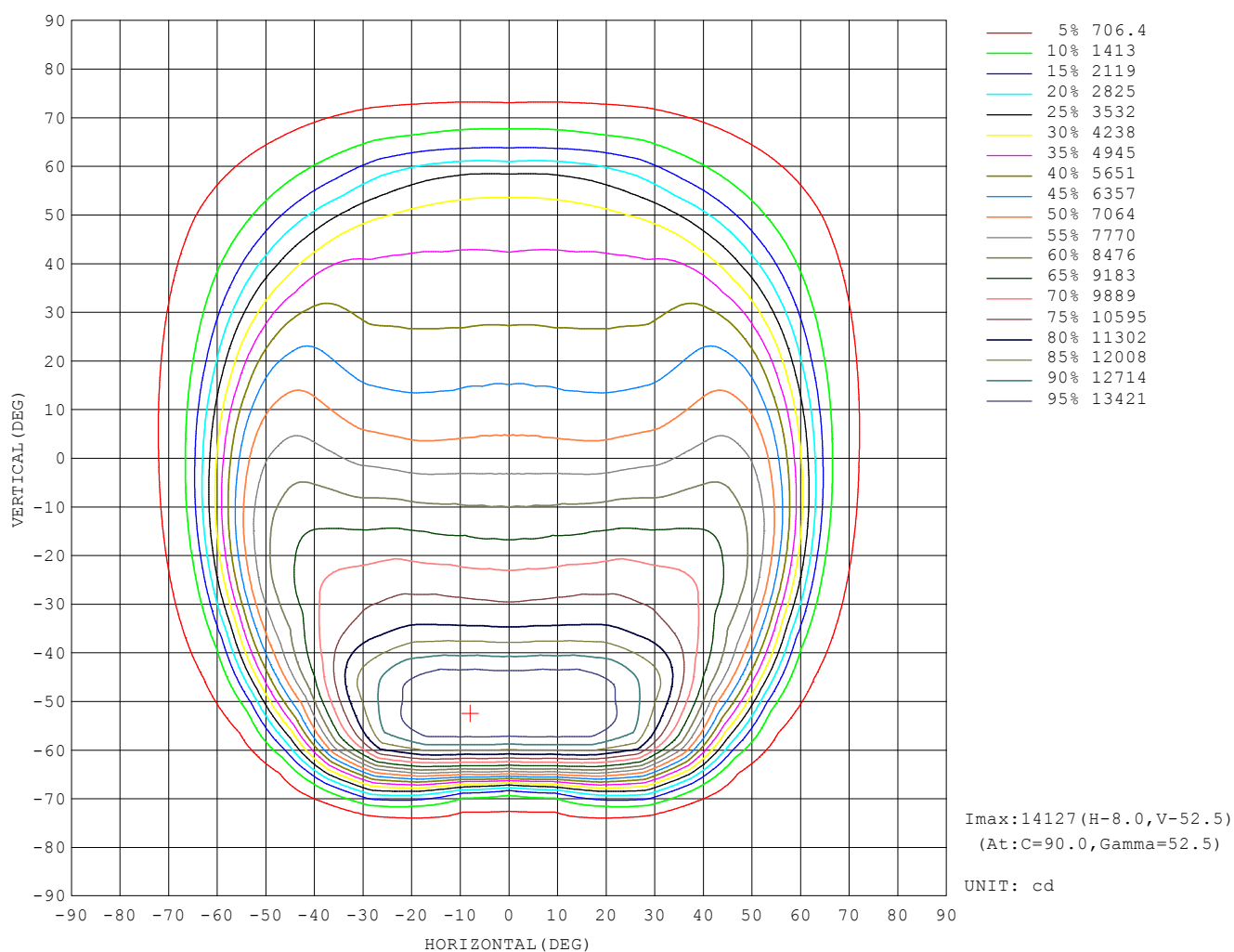
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	742.3	819.1	849.0	819.1	742.3	686.3	669.8	686.3	0- 10	714.8	714.8	2.43,2.43
20	741.8	904.6	954.2	904.6	741.8	631.7	607.3	631.7	10- 20	2149	2864	9.72,9.72
30	759.2	1002	1066	1002	759.2	588.0	551.4	588.0	20- 30	3602	6466	22,22
40	801.2	1067	1254	1067	801.2	549.9	505.5	549.9	30- 40	5065	11531	39.1,39.1
50	769.8	1121	1407	1121	769.8	500.4	457.5	500.4	40- 50	6516	18048	61.3,61.3
60	429.2	930.5	1197	930.5	429.2	307.1	309.4	307.1	50- 60	6760	24808	84.2,84.2
70	87.45	289.8	116.5	289.8	87.45	108.6	102.2	108.6	60- 70	3818	28626	97.2,97.2
80	23.39	21.95	18.22	21.95	23.39	28.69	29.20	28.69	70- 80	726.5	29353	99.6,99.6
90	0.1009	0.1044	0.0921	0.1044	0.1009	0.3524	0.3932	0.3524	80- 90	105.1	29458	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:X10cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LYJ
 Test Date:2021-11-29

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:26.000m [K=0.4536]
 Remarks:

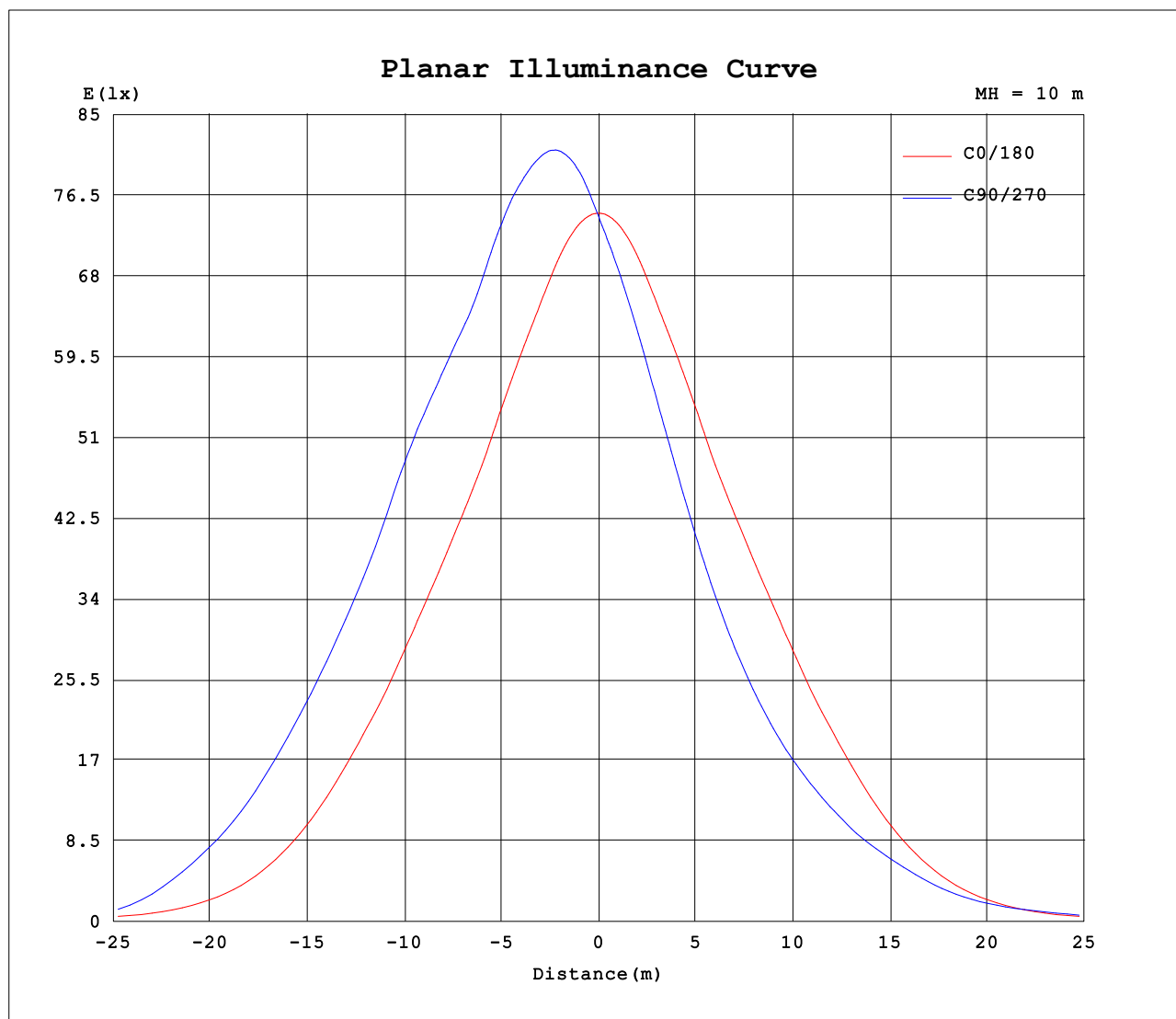
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LYJ
Test Date:2021-11-29

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:26.000m [K=0.4536]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LYJ
Test Date: 2021-11-29

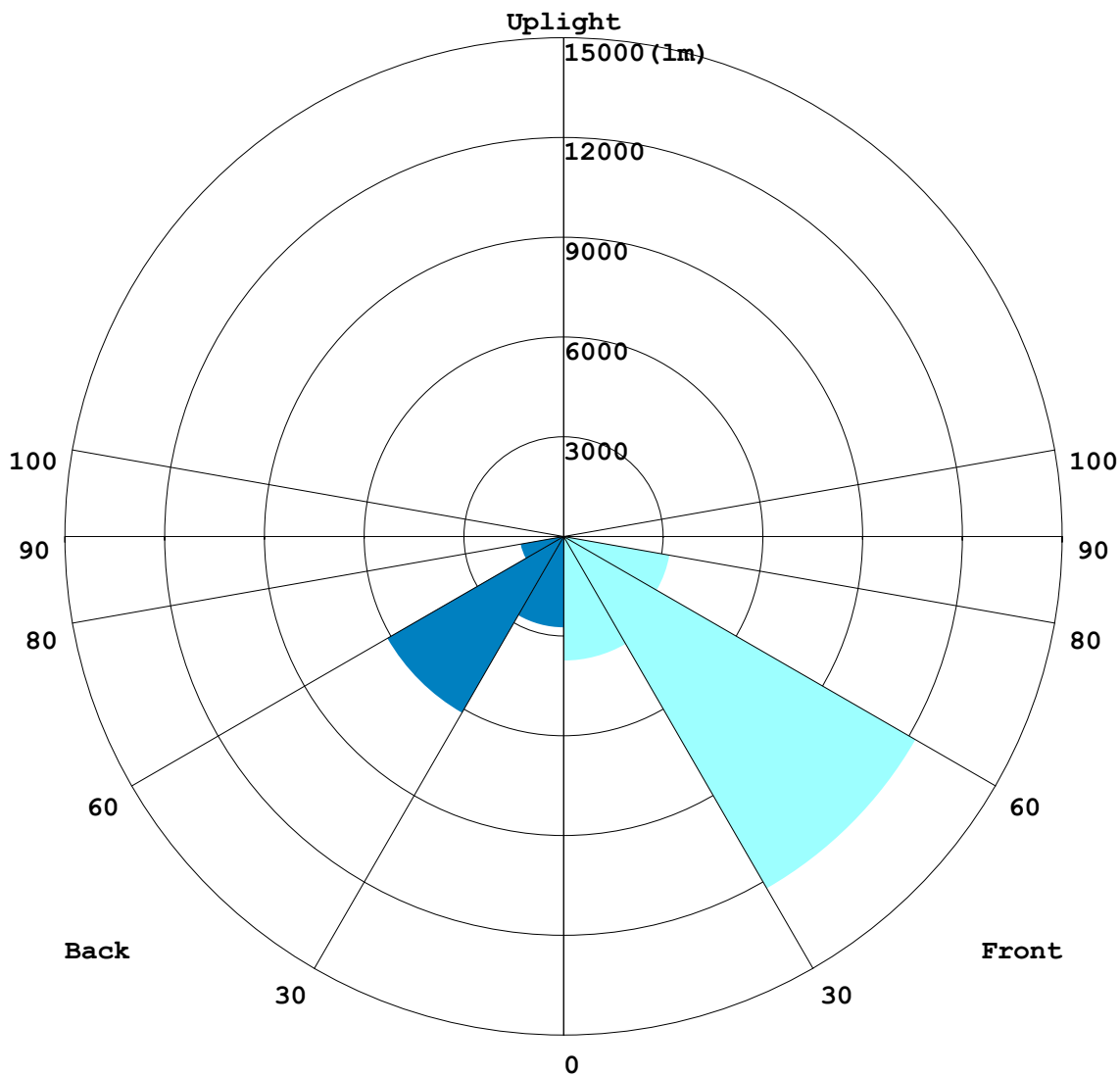
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 26.000m [K=0.4536]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LCS REPORT

Test:U:119.3V I:1.7130A P:204.16W PF:0.9990 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:29457.6x1 lm		
NAME: HA04-200-5770-F01613	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LYJ
Test Date:2021-11-29

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:26.000m [K=0.4536]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

BUG REPORT

Test:U:119.3V I:1.7130A P:204.16W PF:0.9990 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:29457.6x1 lm		
NAME: HA04-200-5770-F01613	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	3733.7	12.7
FM - Front-Medium(30-60)	12222	41.5
FH - Front-High(60-80)	3231.2	11.0
FVH - Front-Very High(80-90)	38.841	0.1
Total Forward Light	19226	65.3

BL - Back-Low(0-30)	2732.4	9.3
BM - Back-Medium(30-60)	6119.7	20.8
BH - Back-High(60-80)	1313.5	4.5
BVH - Back-Very High(80-90)	66.236	0.2
Total Back Light	10232	34.7

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-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	10232	0	10232
Street Side	19226	0	19226

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LYJ
Test Date:2021-11-29

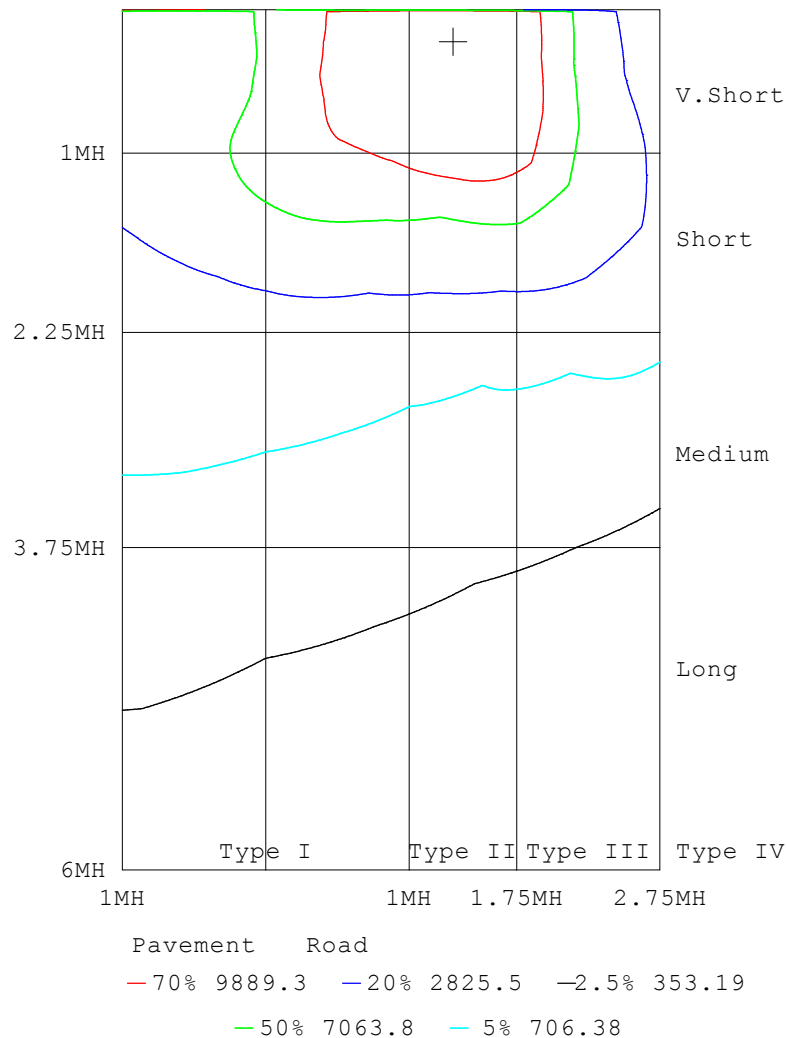
γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:26.000m [K=0.4536]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

Test:U:119.3V I:1.7130A P:204.16W PF:0.9990 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:29457.6x1 lm		
NAME: HA04-200-5770-F01613	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LYJ
Test Date:2021-11-29

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:26.000m [K=0.4536]
Remarks: