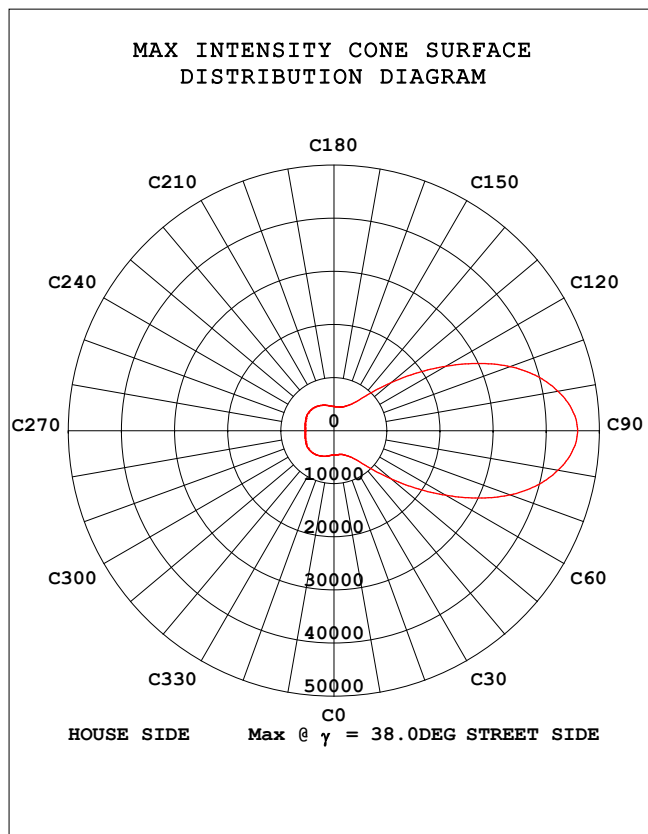
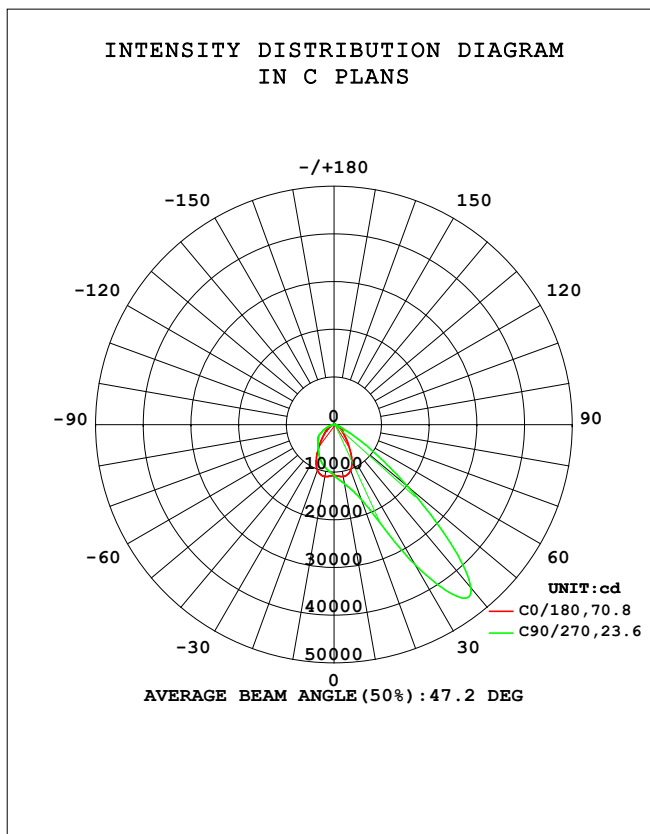


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.3V I:1.7133A P:204.20W PF:0.9990 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:29714.1x1 lm		
NAME: HA04-200-5770-F01610	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

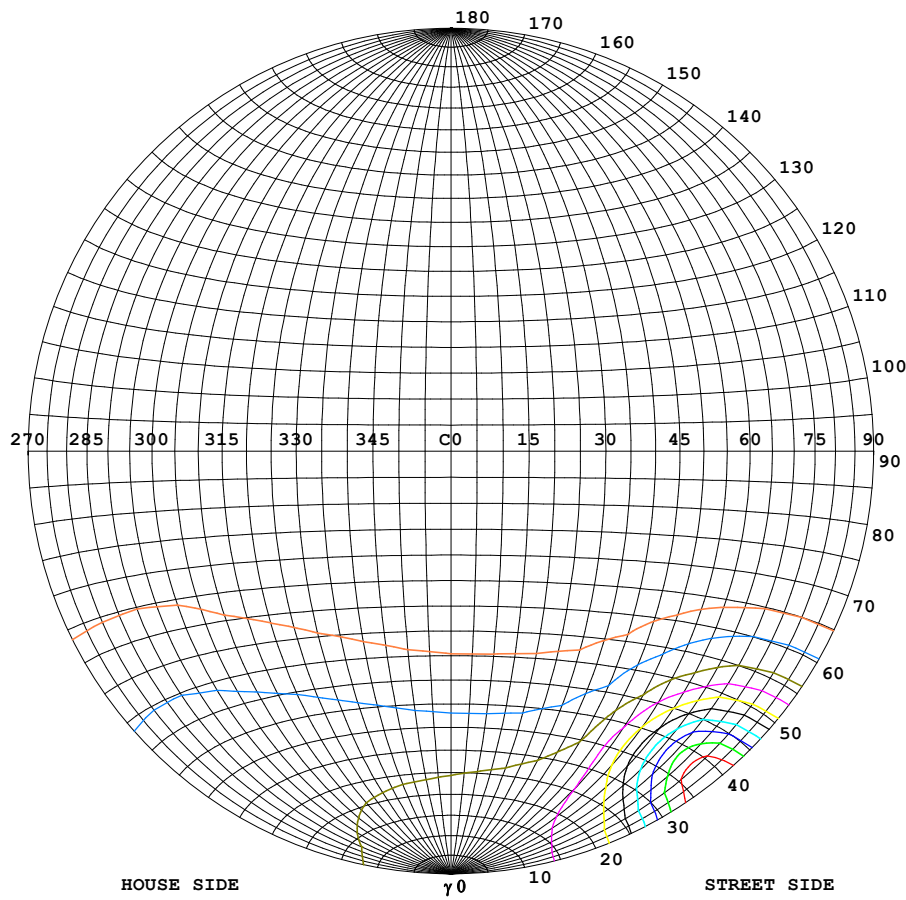
DATA OF LAMP		PHOTOMETRIC DATA Eff: 145.52 lm/W			
MODEL	/	Imax(cd)	45879	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	66.7
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	29714	η house_up(%)	0.0
NOMINAL FLUX(lm)	29714.1	MAXIMUM @ (C, γ)	90,38.0	η house_down(%)	33.3
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	120	η down(%)	100.0	SLI	



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



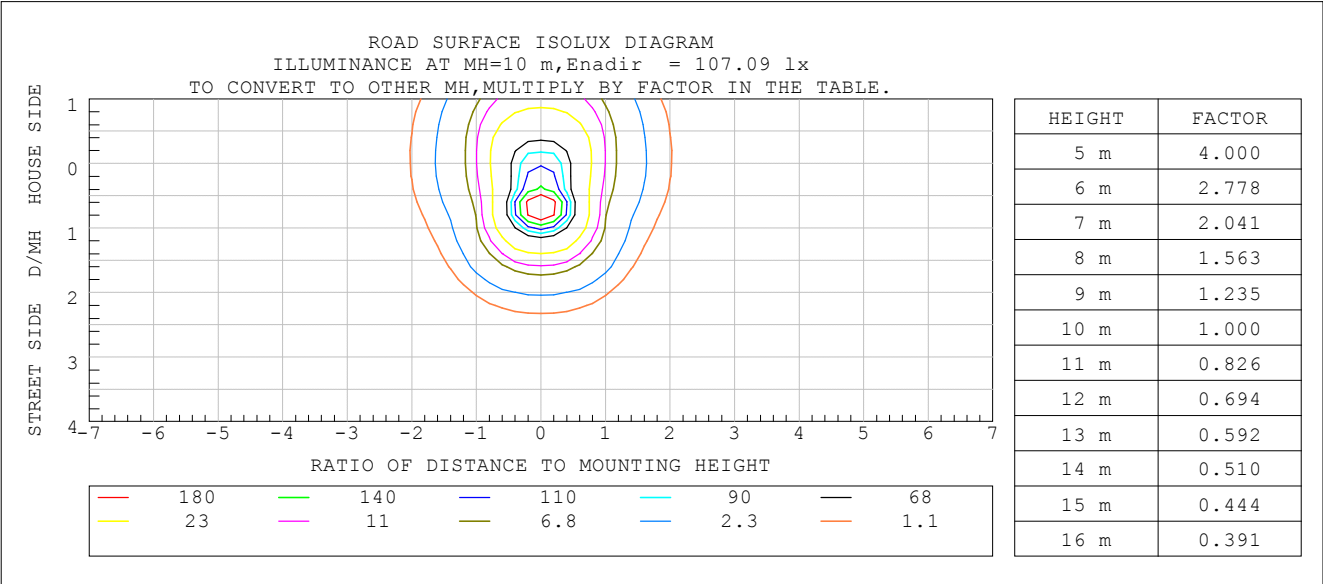
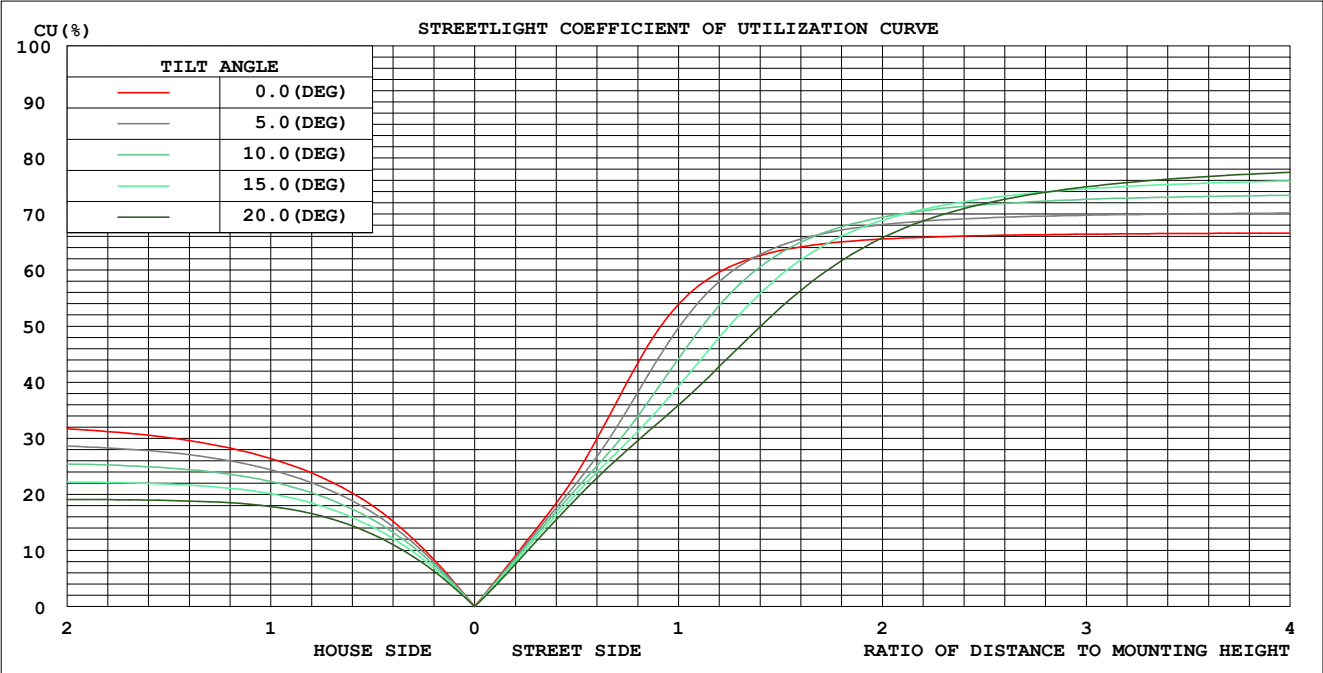
Classification:

IES:Type I - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:10.91cd/klm
Max.At90:0.1036cd/klm
Max.80-90:10.91cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	45879
90%	41291
80%	36703
70%	32115
60%	27527
50%	22939
40%	18351
30%	13764
20%	9176
10%	4588
5%	2294

C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 10.0DEG	γ Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Temperature:25.3DEG	Humidity:65.0%
Operators:LYJ	Test Distance:26.000m [K=0.4536]
Test Date:2021-11-29	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

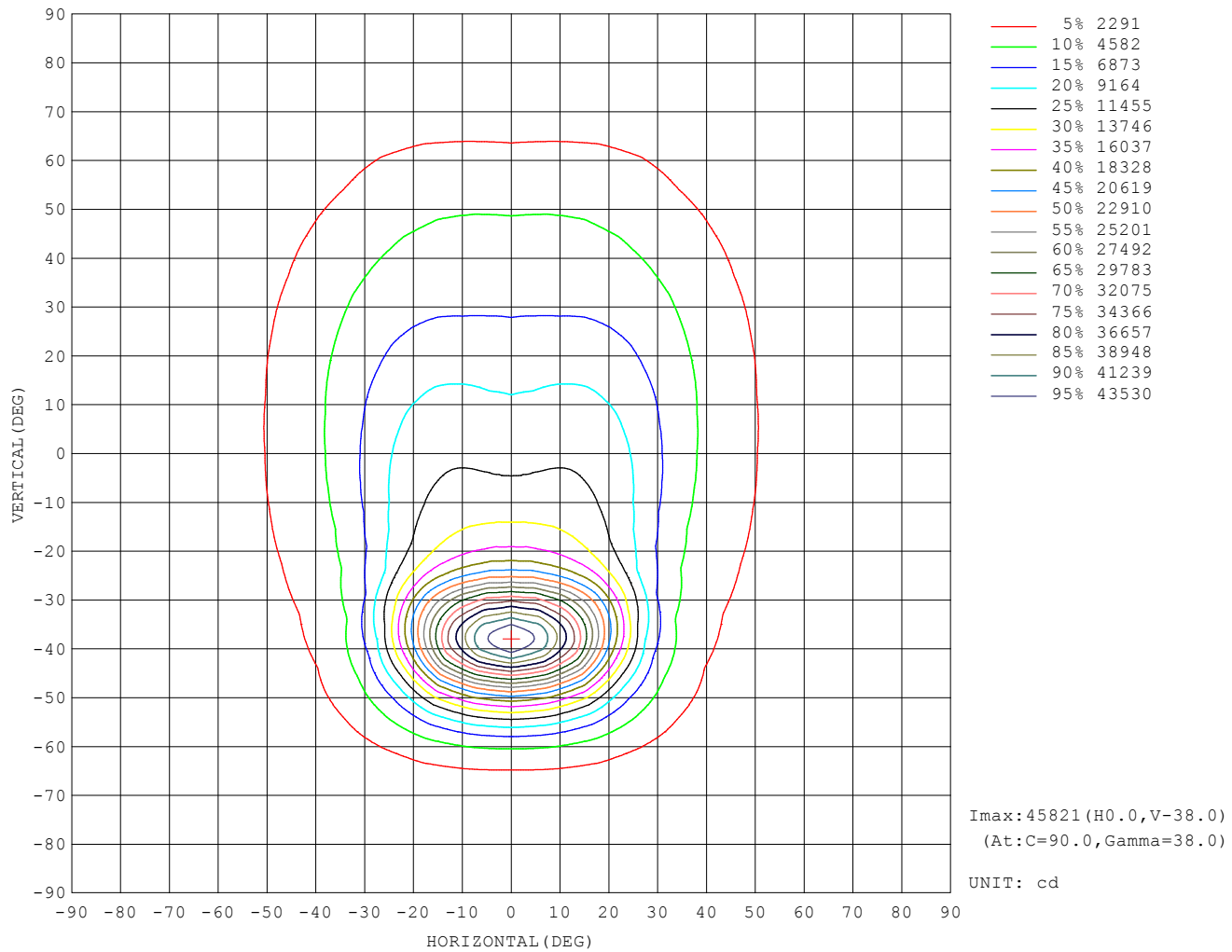
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1107	1205	1259	1205	1107	1004	940.9	1004	0- 10	1040	1040	3.5,3.5
20	1022	1280	1666	1280	1022	909.4	811.0	909.4	10- 20	3155	4195	14.1,14.1
30	719.3	1247	3386	1247	719.3	736.3	654.0	736.3	20- 30	5242	9437	31.8,31.8
40	408.3	1013	4466	1013	408.3	547.3	527.3	547.3	30- 40	7520	16957	57.1,57.1
50	233.4	496.1	2009	496.1	233.4	385.1	445.6	385.1	40- 50	6755	23712	79.8,79.8
60	150.0	215.0	500.4	215.0	150.0	226.7	285.7	226.7	50- 60	3629	27340	92,92
70	81.86	81.21	108.6	81.21	81.86	110.0	115.5	110.0	60- 70	1664	29004	97.6,97.6
80	22.52	18.92	19.74	18.92	22.52	29.71	30.69	29.71	70- 80	613.2	29618	99.7,99.7
90	0.0864	0.0966	0.0993	0.0966	0.0864	0.2059	0.3080	0.2059	80- 90	96.53	29714	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:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

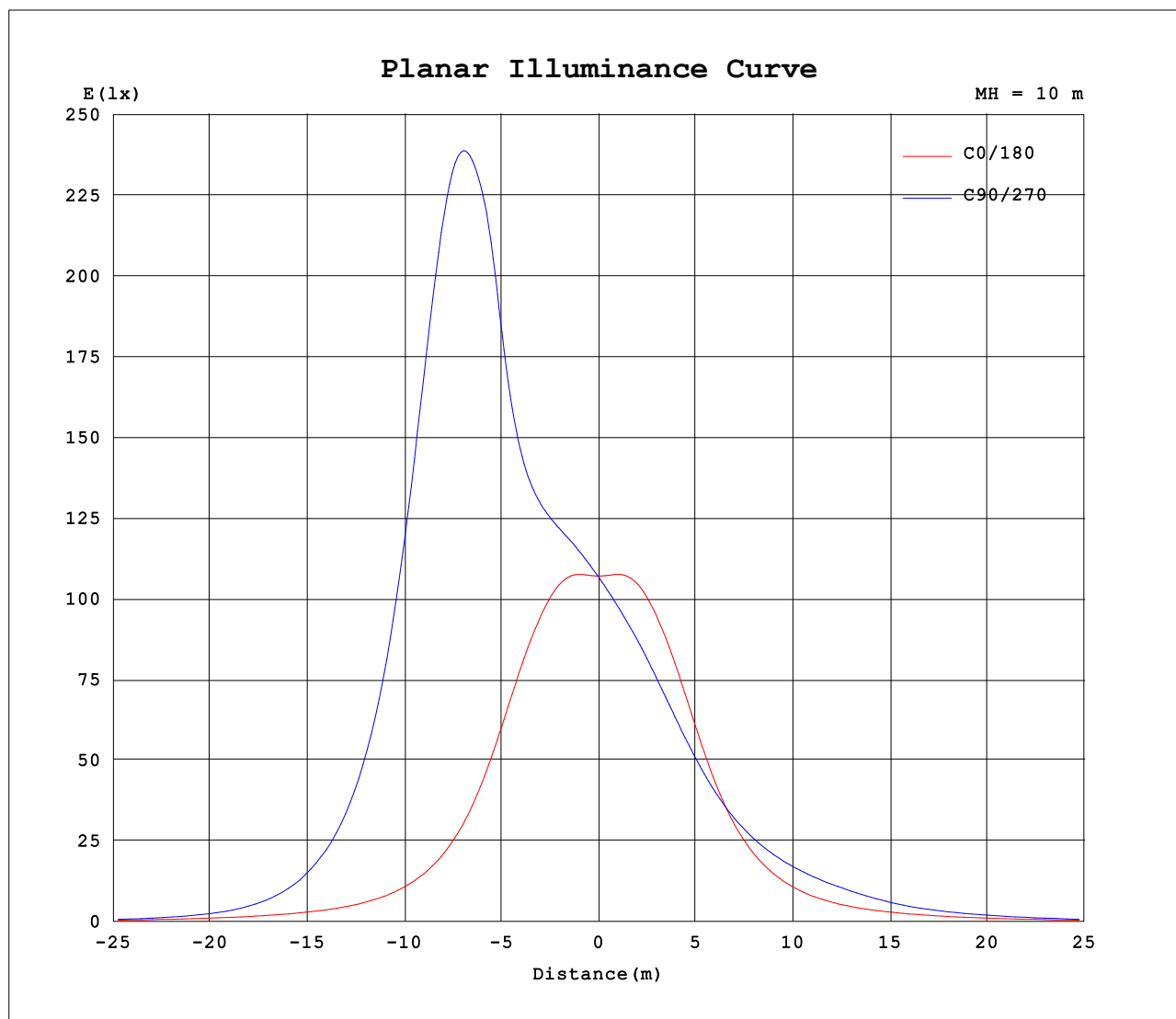
ISOCANDELA DIAGRAM



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

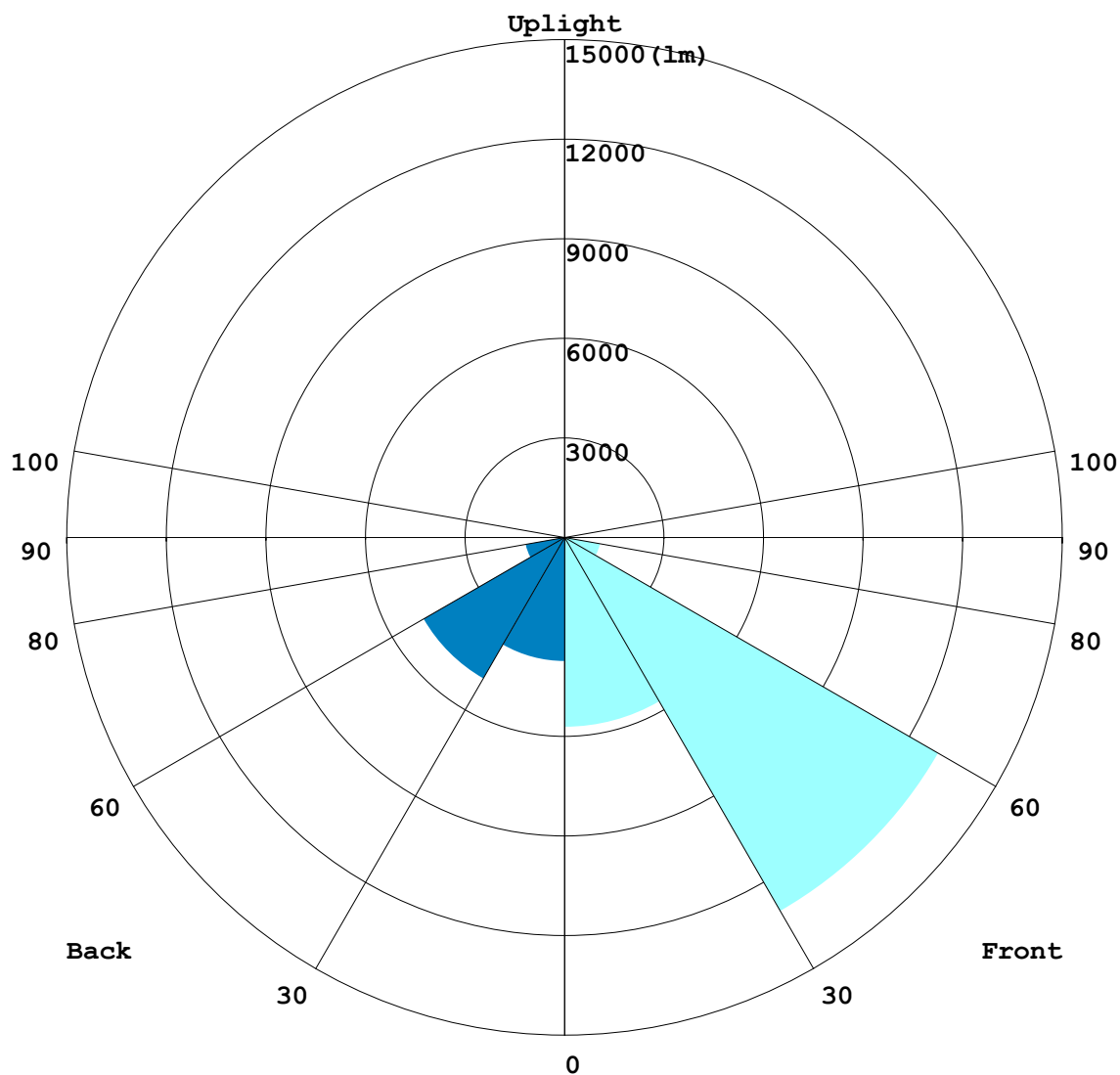
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 26.000m [K=0.4536]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LCS REPORT

Test:U:119.3V I:1.7133A P:204.20W PF:0.9990 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:29714.1x1 lm		
NAME: HA04-200-5770-F01610	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:1.7133A P:204.20W PF:0.9990 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:29714.1x1 lm		
NAME: HA04-200-5770-F01610	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	5711	19.2
FM - Front-Medium(30-60)	12998	43.7
FH - Front-High(60-80)	1086.7	3.7
FVH - Front-Very High(80-90)	35.857	0.1
Total Forward Light	19832	66.7

BL - Back-Low(0-30)	3725.6	12.5
BM - Back-Medium(30-60)	4905.3	16.5
BH - Back-High(60-80)	1190.6	4.0
BVH - Back-Very High(80-90)	60.674	0.2
Total Back Light	9882.2	33.3

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	9882.2	0	9882.2
Street Side	19832	0	19832

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

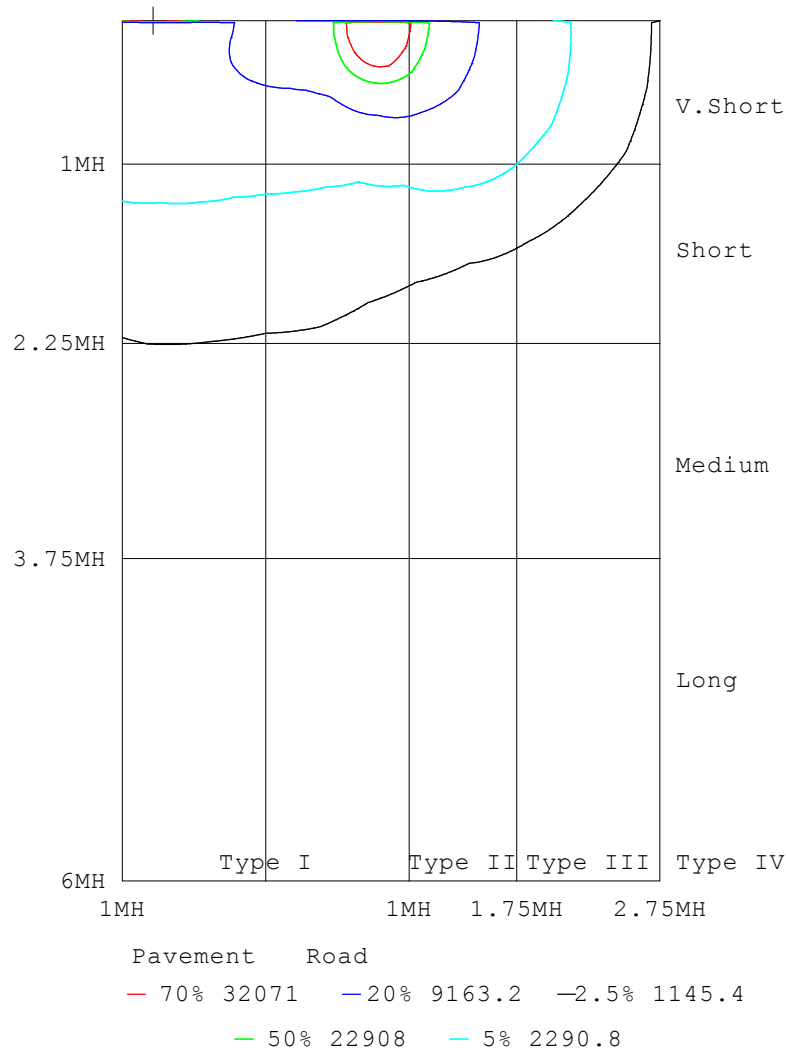
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:26.000m [K=0.4536]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

Test:U:119.3V I:1.7133A P:204.20W PF:0.9990 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:29714.1x1 lm		
NAME: HA04-200-5770-F01610	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: