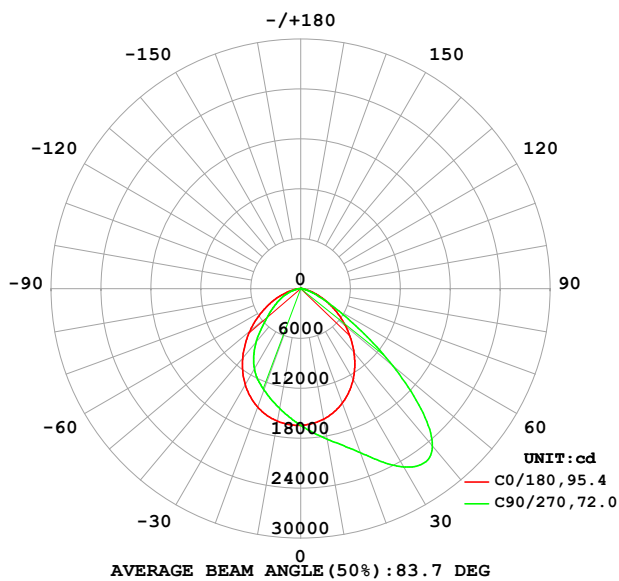
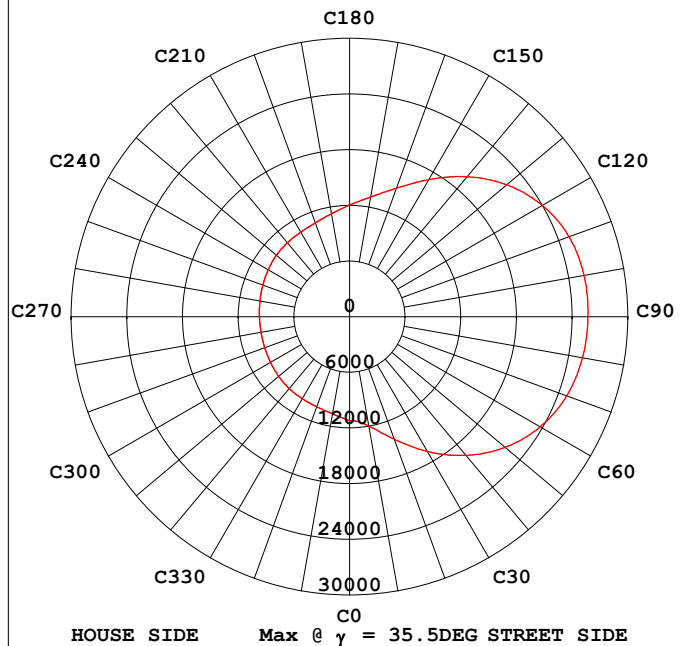


## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.5V I:1.3317A P:297.5W PF:0.9734 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:45860.6x1 lm		
NAME: X504-457KA-9060 (300W 5700K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

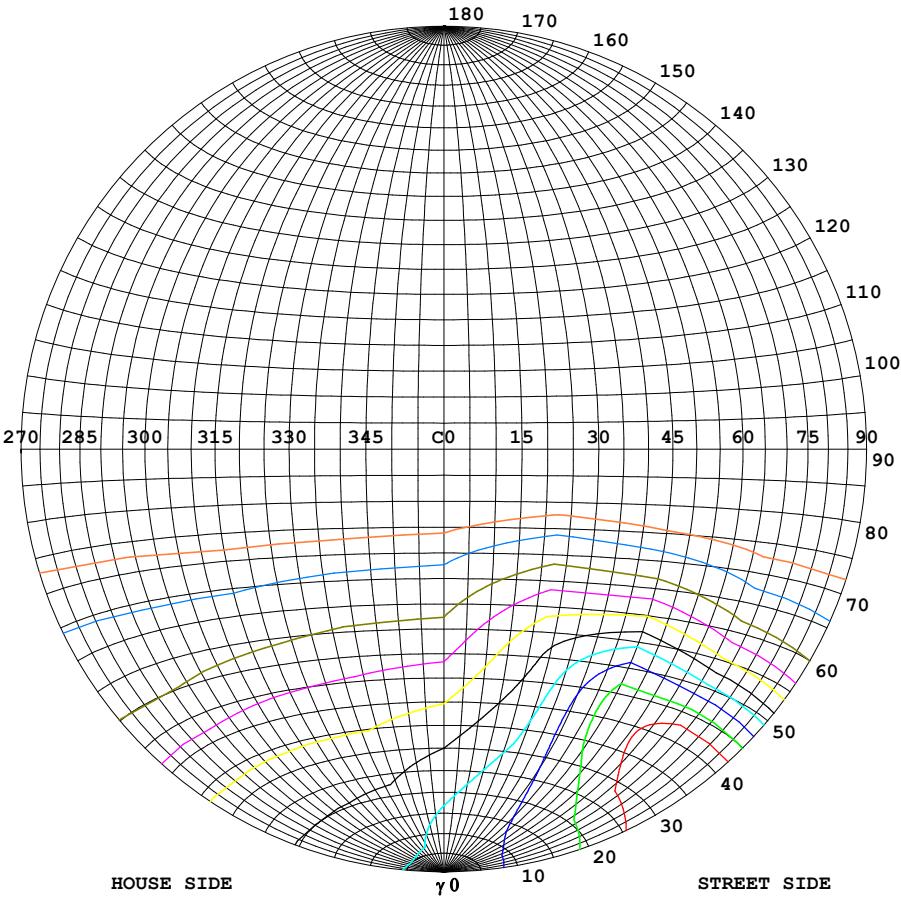
DATA OF LAMP		PHOTOMETRIC DATA Eff: 154.17 lm/W			
MODEL	/	Imax(cd)	25687	$\eta$ street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	$\eta$ street_down(%)	64.3
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	45861	$\eta$ house_up(%)	0.0
NOMINAL FLUX(lm)	45860.6	MAXIMUM @ (C, $\gamma$ )	90,35.5	$\eta$ house_down(%)	35.7
LAMPS INSIDE	1	$\eta$ up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	/	$\eta$ down(%)	100.0	SLI	

INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:HXL  
Test Date:2024-11-11

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.487  
Humidity:65.0%  
Test Distance:9.990m [K=1.0000]  
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM



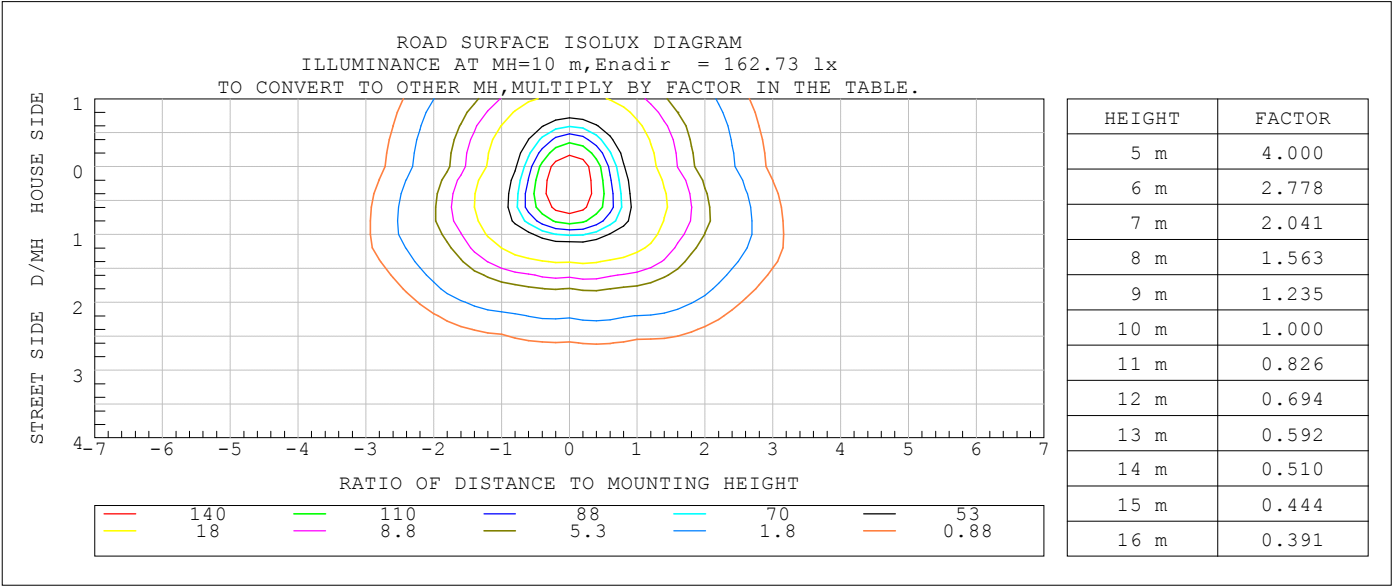
Classification:  
IES:Type II - Very Short  
CIE:Narrow - Short  
IES:Cut-off  
CIE:Semi-cut-off  
Max.At80:30.96cd/klm  
Max.At90:0.4310cd/klm  
Max.80-90:30.96cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		25687
90%		23118
80%		20549
70%		17981
60%		15412
50%		12843
40%		10275
30%		7706
20%		5137
10%		2569
5%		1284

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:HXL  
Test Date:2024-11-11

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.487  
Humidity:65.0%  
Test Distance:9.990m [K=1.0000]  
Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: HXL  
Test Date: 2024-11-11

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.487  
Humidity: 65.0%  
Test Distance: 9.990m [K=1.0000]  
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

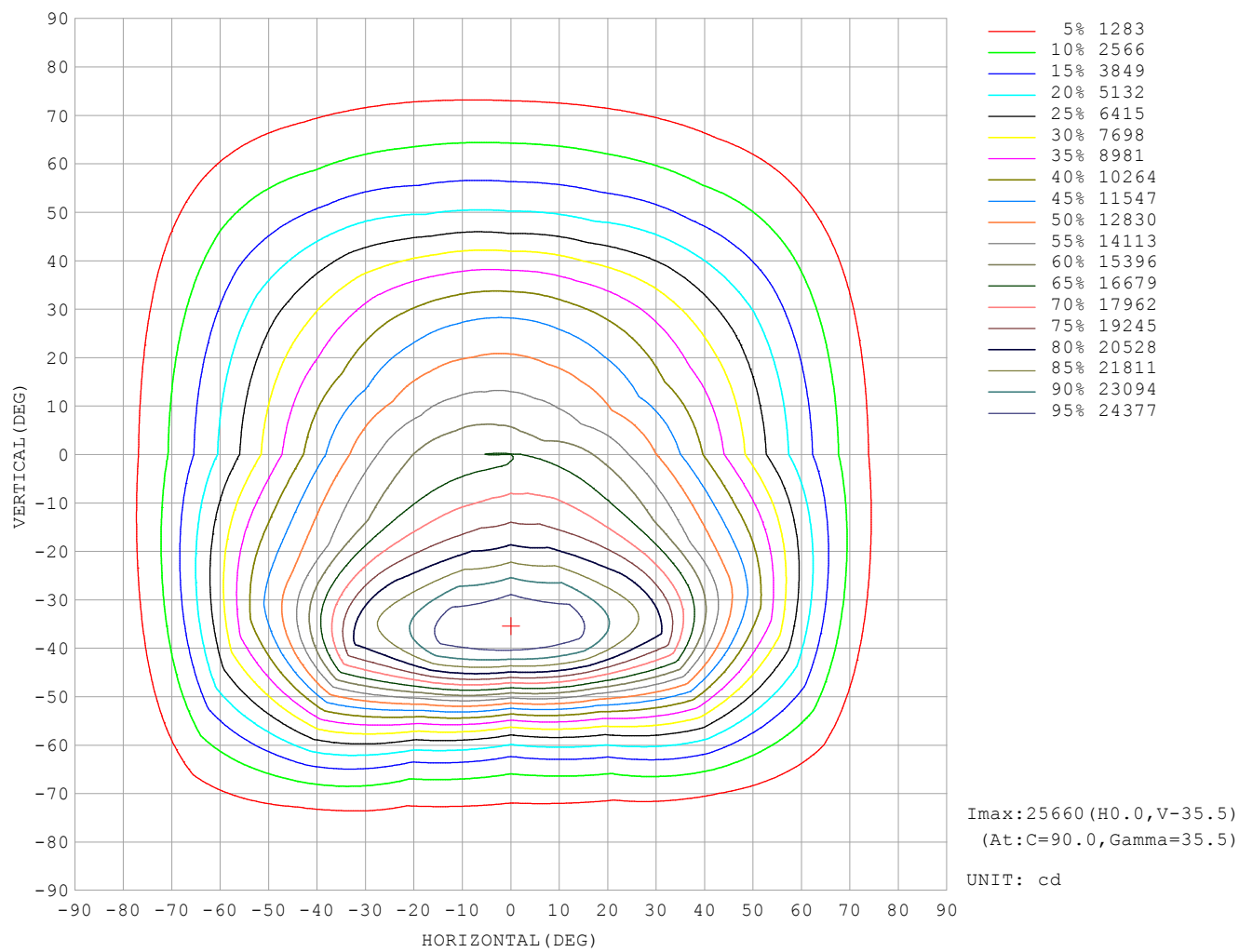
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1593	1752	1837	1764	1618	1502	1463	1491	0- 10	1561	1561	3.4,3.4
20	1465	1845	2098	1863	1515	1334	1295	1316	10- 20	4558	6119	13.3,13.3
30	1262	1980	2474	1994	1335	1148	1115	1124	20- 30	7281	13401	29.2,29.2
40	998.1	2124	2464	2168	1086	937.1	834.1	895.1	30- 40	9448	22848	49.8,49.8
50	709.2	1861	1447	2039	801.8	671.9	518.2	614.5	40- 50	9793	32641	71.2,71.2
60	436.2	1008	508.9	1208	518.6	395.4	322.2	344.2	50- 60	7395	40036	87.3,87.3
70	202.3	332.1	162.7	451.0	269.4	194.9	171.4	159.9	60- 70	4130	44166	96.3,96.3
80	36.87	44.15	35.67	80.73	74.32	57.69	40.79	35.74	70- 80	1514	45680	99.6,99.6
90	1.656	1.051	0.9024	1.188	1.437	1.755	1.048	1.977	80- 90	180.9	45861	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: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:HXL  
Test Date:2024-11-11

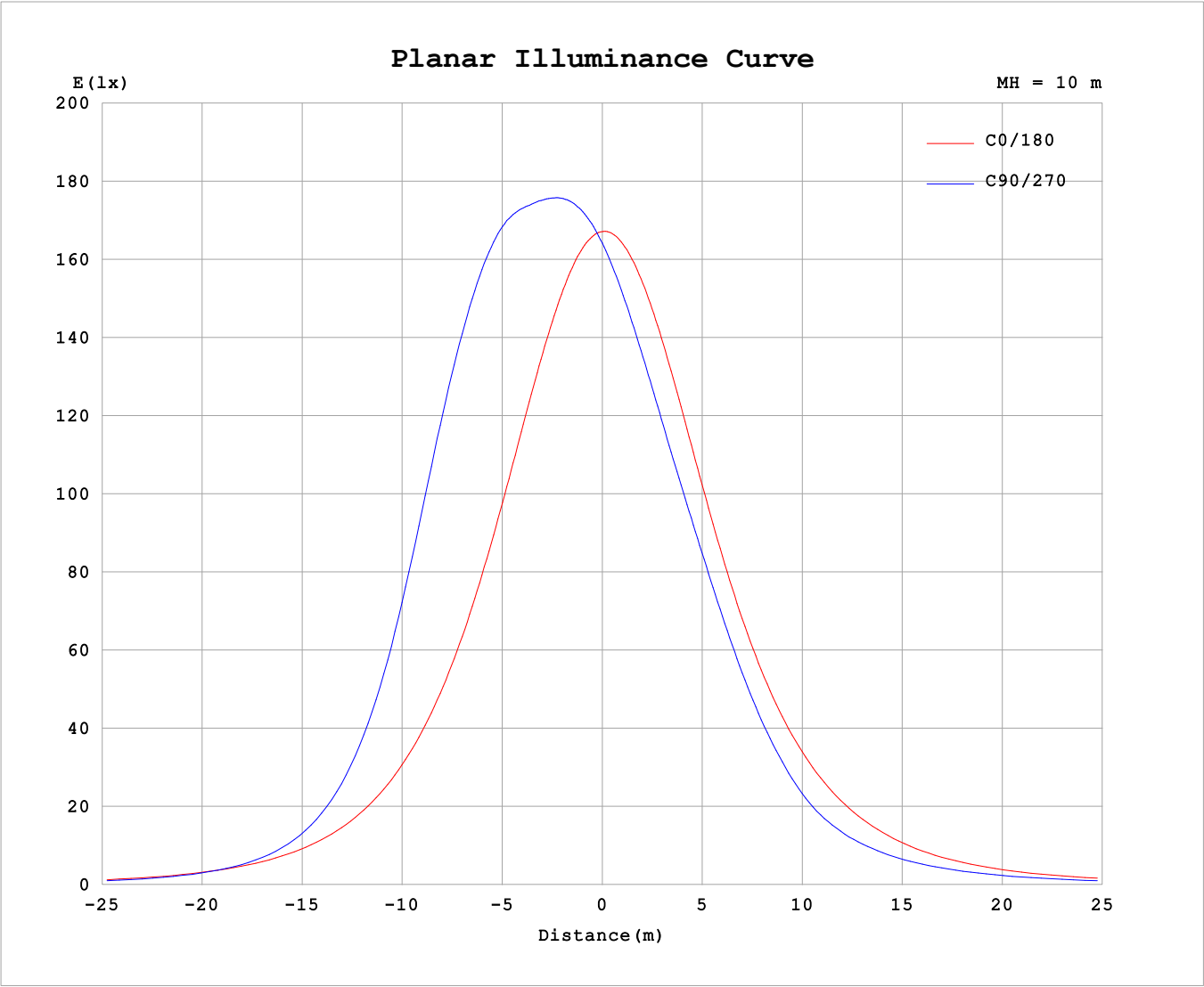
γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.487  
Humidity:65.0%  
Test Distance:9.990m [K=1.0000]  
Remarks:

ISOCANDELA DIAGRAM



C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 22.5DEG	γ Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.487
Temperature:25.3℃	Humidity:65.0%
Operators:HXL	Test Distance:9.990m [K=1.0000]
Test Date:2024-11-11	Remarks:

Planar Illuminance Curve



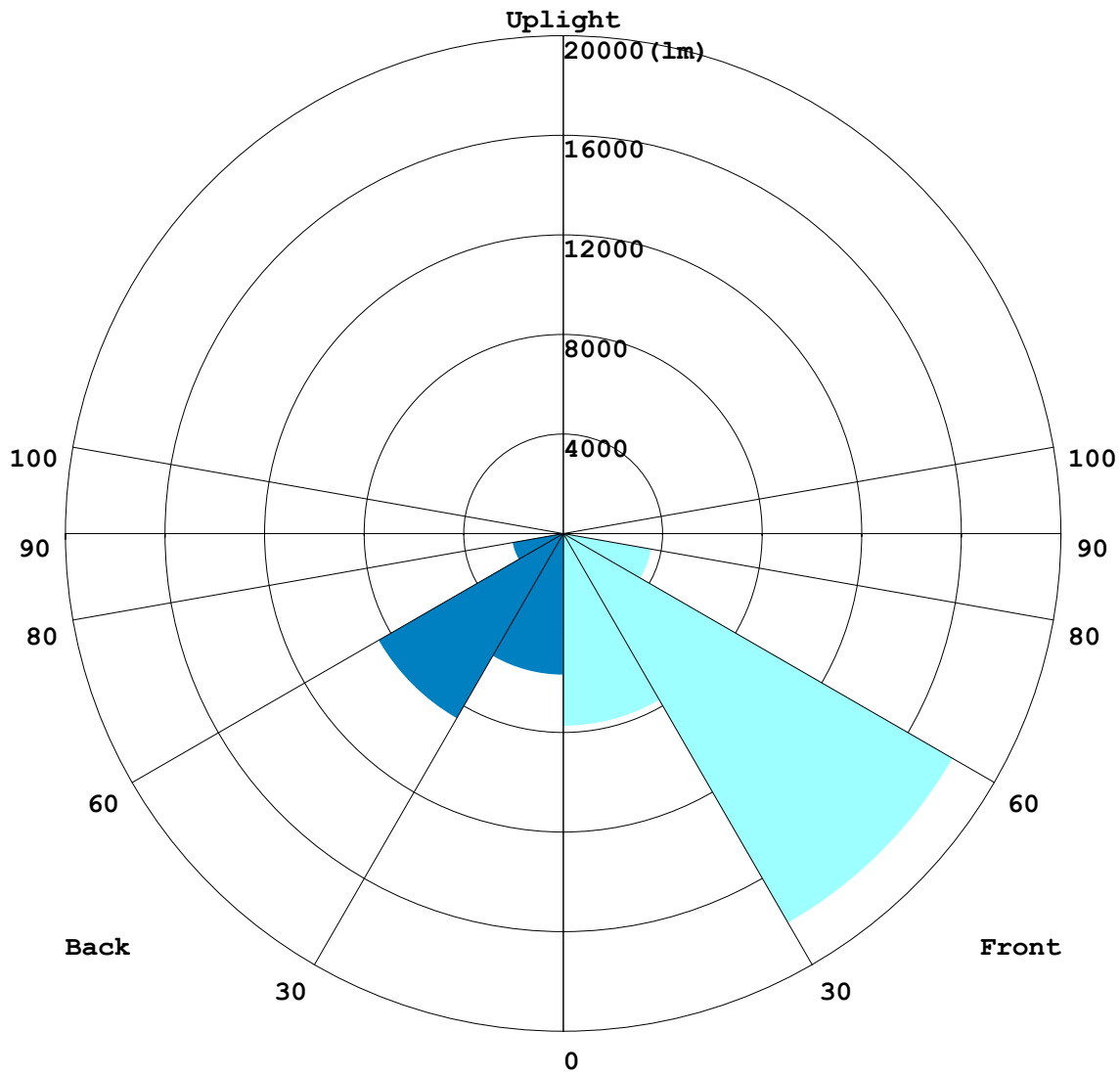
C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 22.5DEG	γ Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.487
Temperature:25.3℃	Humidity:65.0%
Operators:HXL	Test Distance:9.990m [K=1.0000]
Test Date:2024-11-11	Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LCS REPORT

Test:U:229.5V I:1.3317A P:297.5W PF:0.9734 Freq:50.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:45860.6x1 lm		
NAME: X504-457KA-9060 (300W 5700K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:HXL  
Test Date:2024-11-11

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.487  
Humidity:65.0%  
Test Distance:9.990m [K=1.0000]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## BUG REPORT

Test:U:229.5V I:1.3317A P:297.5W PF:0.9734 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:45860.6x1 lm		
NAME: X504-457KA-9060 (300W 5700K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	7727.8	16.9
FM - Front-Medium(30-60)	18066	39.4
FH - Front-High(60-80)	3580.5	7.8
FVH - Front-Very High(80-90)	97.049	0.2
Total Forward Light	29471	64.3

BL - Back-Low(0-30)	5672.7	12.4
BM - Back-Medium(30-60)	8570.1	18.7
BH - Back-High(60-80)	2062.8	4.5
BVH - Back-Very High(80-90)	83.826	0.2
Total Back Light	16389	35.7

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	B5-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	16389	0	16389
Street Side	29471	0	29471

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:HXL  
Test Date:2024-11-11

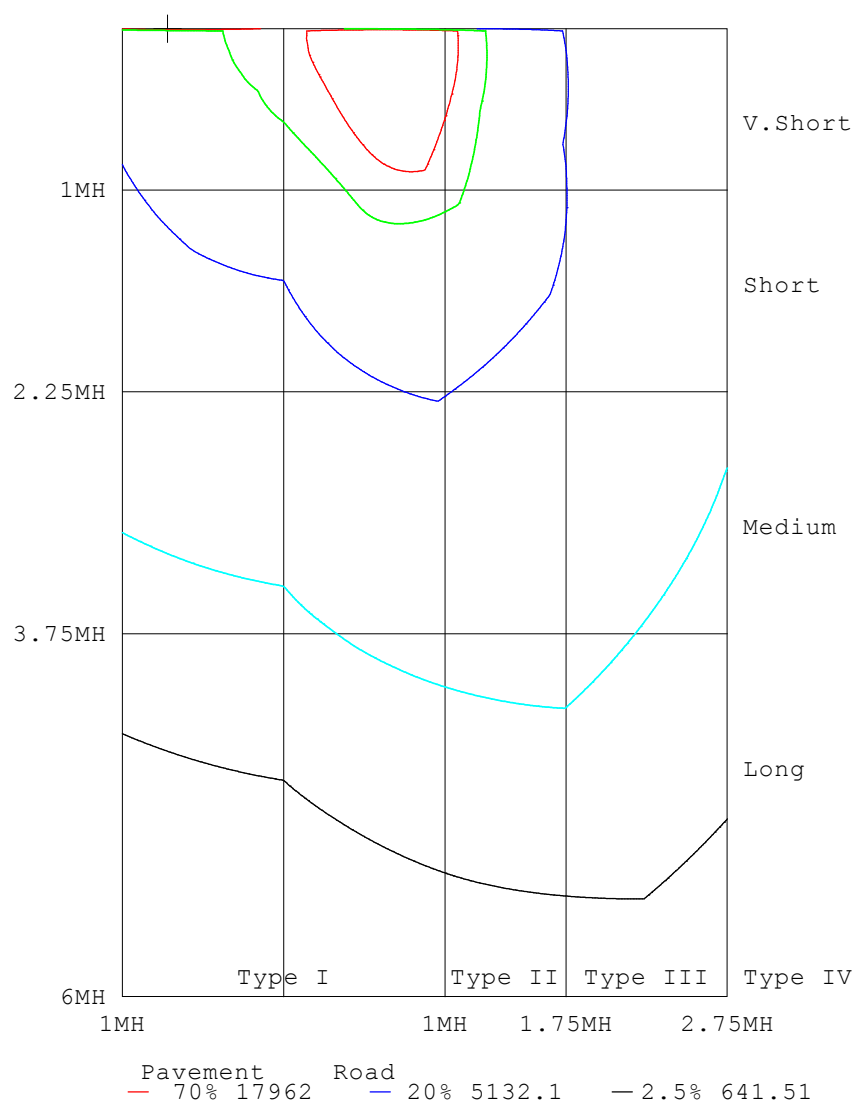
γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.487  
Humidity:65.0%  
Test Distance:9.990m [K=1.0000]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:229.5V I:1.3317A P:297.5W PF:0.9734 Freq:50.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:45860.6x1 lm		
NAME: X504-457KA-9060 (300W 5700K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:HXL  
Test Date:2024-11-11

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.487  
Humidity:65.0%  
Test Distance:9.990m [K=1.0000]  
Remarks: