

LUMINARIA LED EXTERIOR

MARCA DRITE, REFERENCIA N LDP153
13 W (120-240) V 3000 K
60 LED SMD



Light Output Ratio:	100.0%
Luminaire Power:	12.7 W
I80 = 27.4 cd per klm.	I88 = 0.9 cd per klm.
I90 = 0.0 cd per klm.	I80/I88 = 29.649

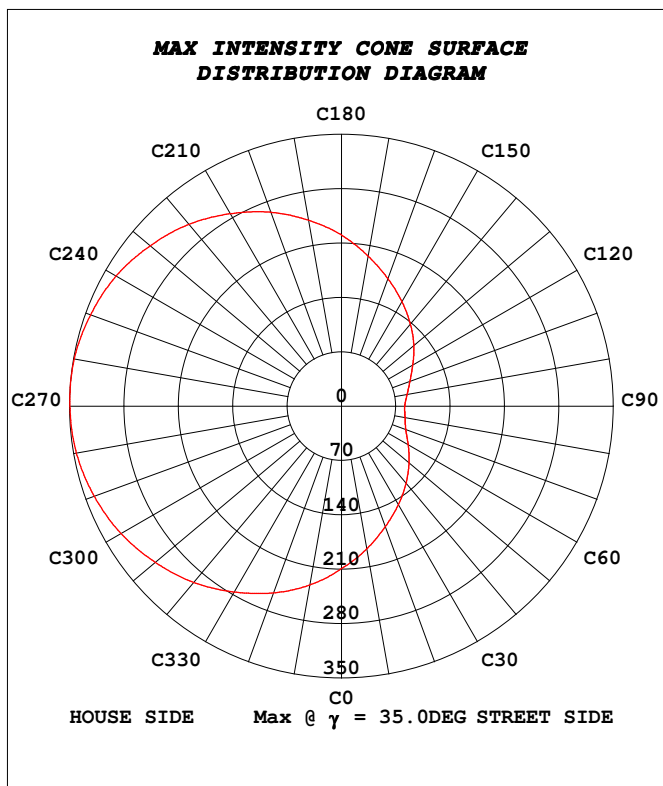
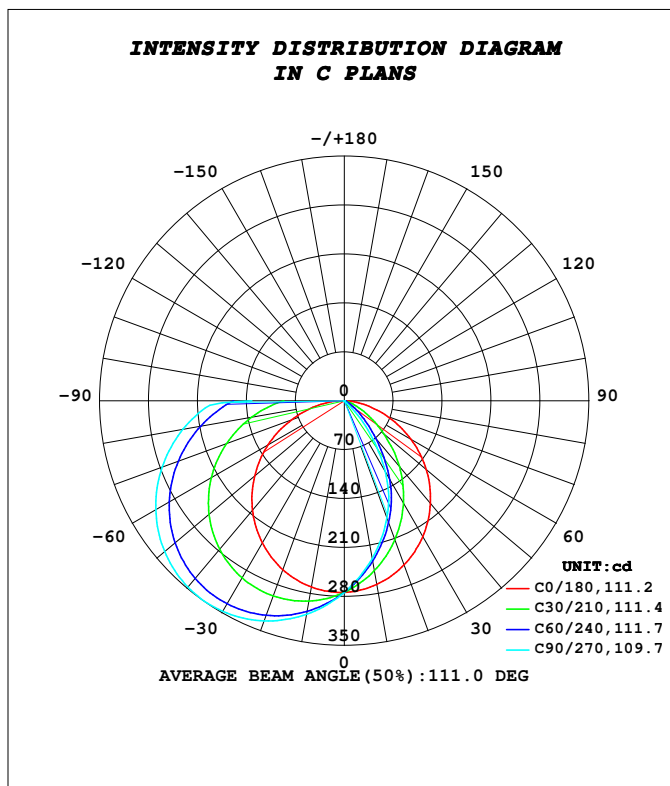
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 24.7DEG
Operators: JV
Test Date: 2021-09-07

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.00.417
Humidity: 59%
Test Distance: 13.200m [K=1.0000]
Remarks: LUMINARIA LED EXTERIOR 13 W
QTEST 22211-05

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.44V I:0.1751A P:12.700W PF:0.6021 Freq:60.00Hz Lamp Flux:917.07x1 lm		
NAME: LUMINARIA LED EXTERIOR 13 W	TYPE:EXTERIOR	WEIGHT:NA
SPEC.:NA	DIM.: NA	SERIAL No.:NA
MFR.: ORVIBO	SUR.:NA	Shielding Angle:NA

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 72.21 lm/W
MODEL	60 LED SMD	I _{max} (cd)	349.7	η street_up(%)	0.0	
NOMINAL POWER(W)	13	LOR(%)	100.0	η street_down(%)	21.2	
RATED VOLTAGE(V)	120-240	TOTAL FLUX(lm)	917.1	η house_up(%)	0.0	
NOMINAL FLUX(lm)	917.07	MAXIMUM @ (C, γ)	270,35.0	η house_down(%)	78.8	
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100	
TEST VOLTAGE(V)	120	η down(%)	100.0	SLI	16.062	

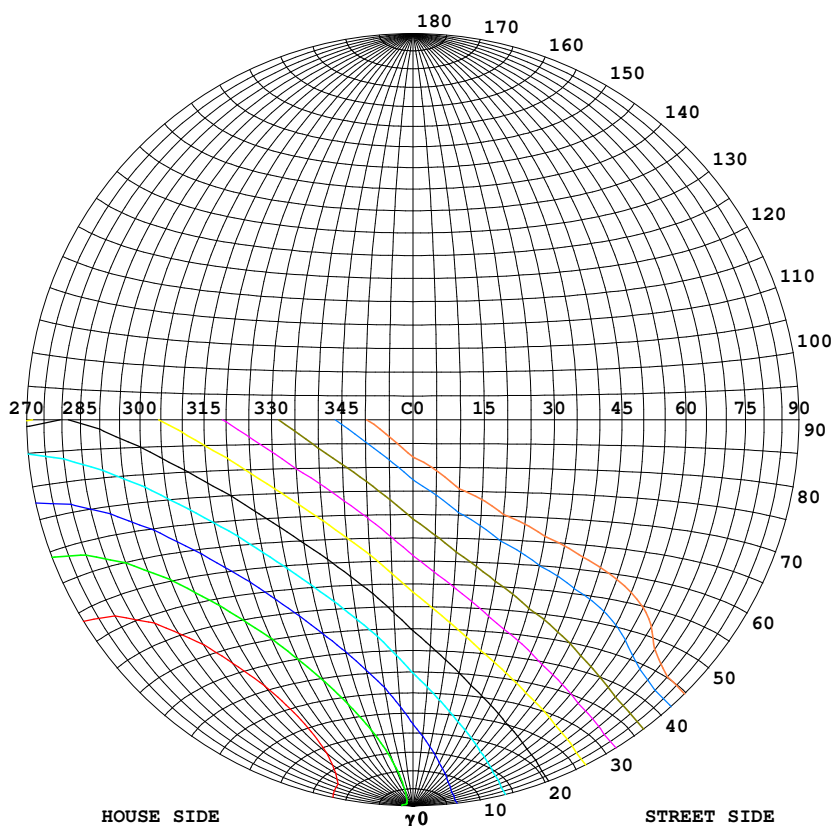


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STREETLIGHT ISOCANDELA DIAGRAM

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Classification:

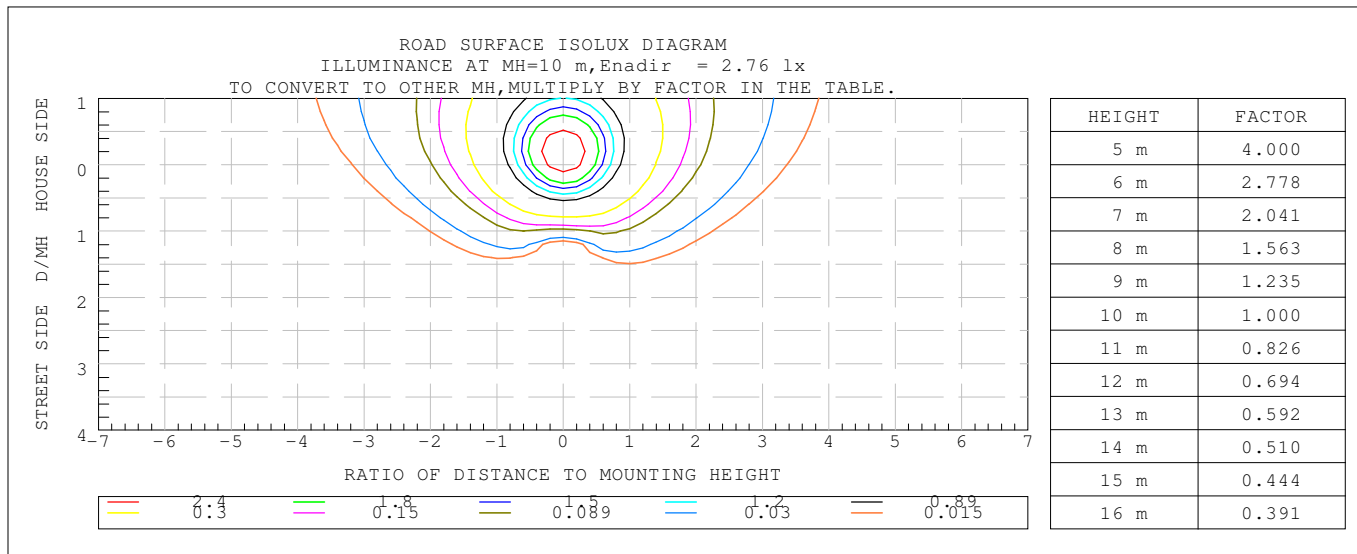
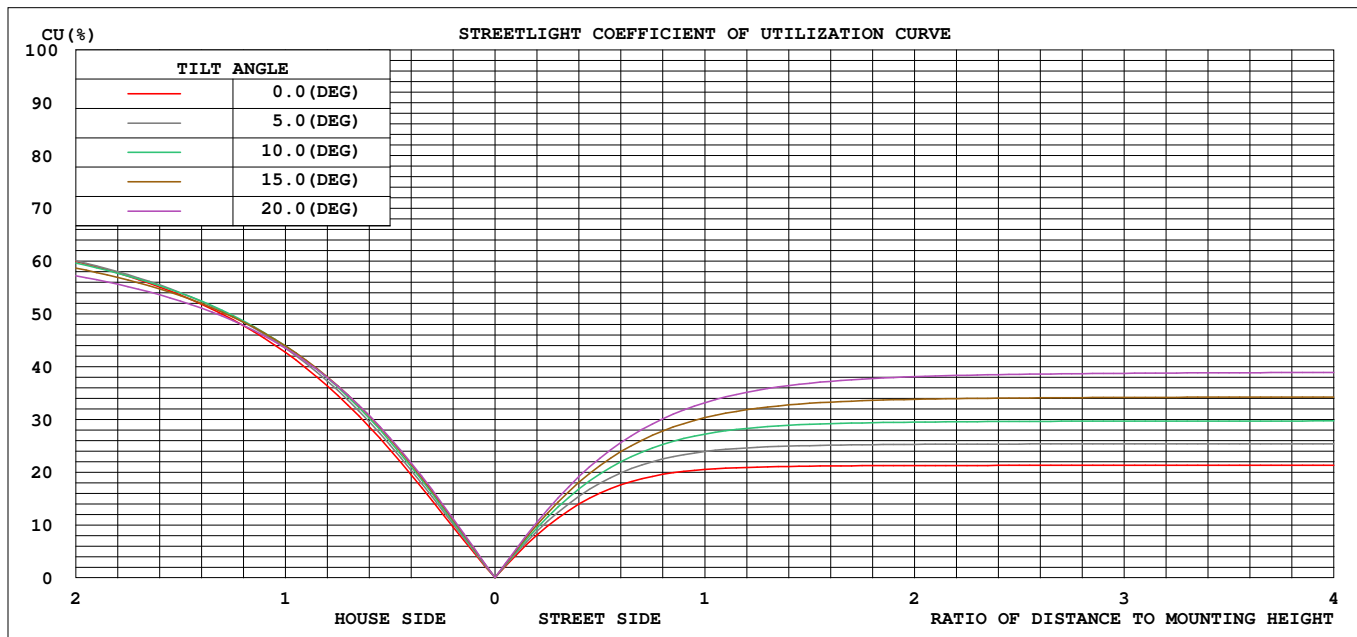
IES:Type V - Very Short
 CIE:Narrow - Short
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:255.4cd/klm
 Max.At90:197.2cd/klm
 Max.80-90:255.4cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	350
90%	315
80%	280
70%	245
60%	210
50%	175
40%	140
30%	105
20%	70
10%	35
5%	17

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gamma Range: 0 - 90DEG
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**COEFFICIENT OF UTILIZATION CURVE
 AND ISOLUX DIAGRAM**



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ZONAL FLUX DIAGRAM

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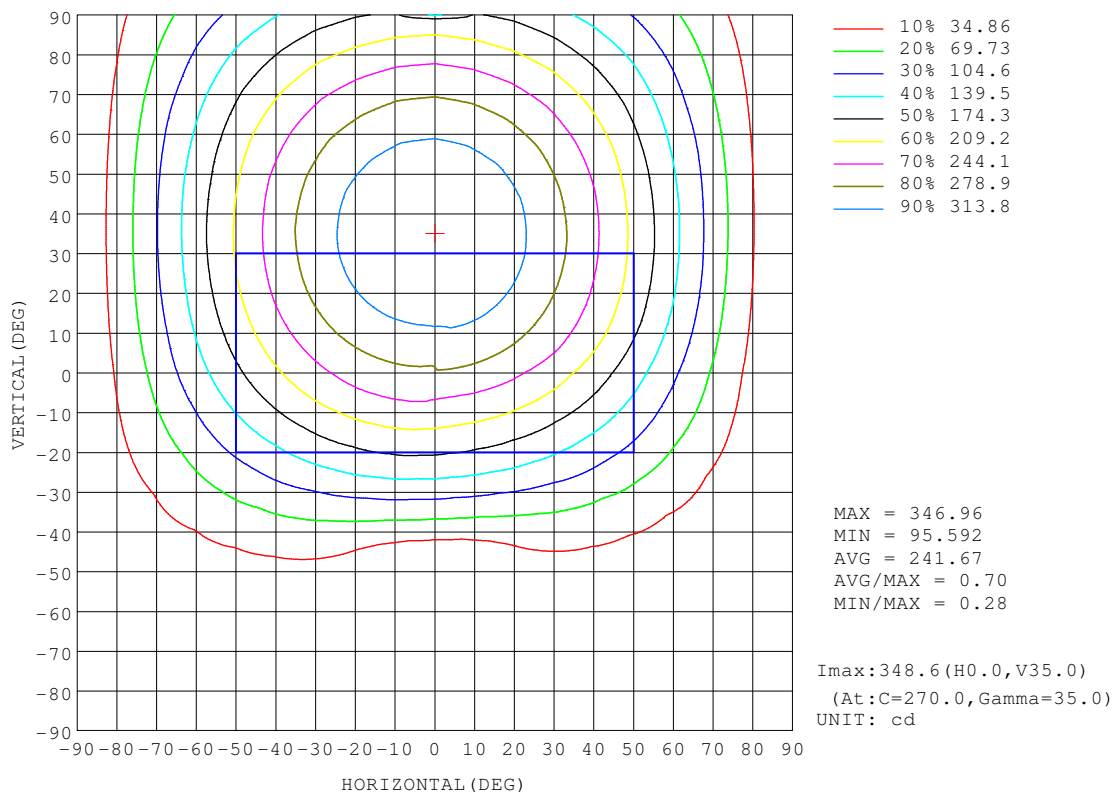
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	\$lum,lamp
10	266.9	239.2	229.6	242.0	270.7	299.3	309.9	296.6	0- 10	25.93	25.93	2.83,2.83
20	250.0	196.7	178.6	201.8	257.2	313.7	335.1	308.2	10- 20	74.32	100.3	10.9,10.9
30	224.5	148.5	117.1	155.5	234.8	316.6	348.0	308.6	20- 30	112.7	213.0	23.2,23.2
40	191.8	93.42	48.16	102.7	204.4	307.8	348.1	297.7	30- 40	135.3	348.3	38,38
50	153.2	50.10	0.4375	56.94	167.7	288.0	335.5	276.4	40- 50	140.8	489.1	53.3,53.3
60	110.3	19.67	0.1612	24.51	125.8	258.4	311.4	245.8	50- 60	135.5	624.6	68.1,68.1
70	65.91	3.343	0.1400	5.425	80.09	220.4	277.2	207.3	60- 70	120.7	745.3	81.3,81.3
80	25.10	0.3411	0.2580	0.3541	37.85	175.7	234.2	162.6	70- 80	98.65	843.9	92,92
90	0	0.2963	0.3808	0.2574	3.494	126.8	132.5	114.5	80- 90	73.14	917.1	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			
DEC	LUMINOUS INTENSITY:cd									UNIT:lm		

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ISOCANDELA DIAGRAM

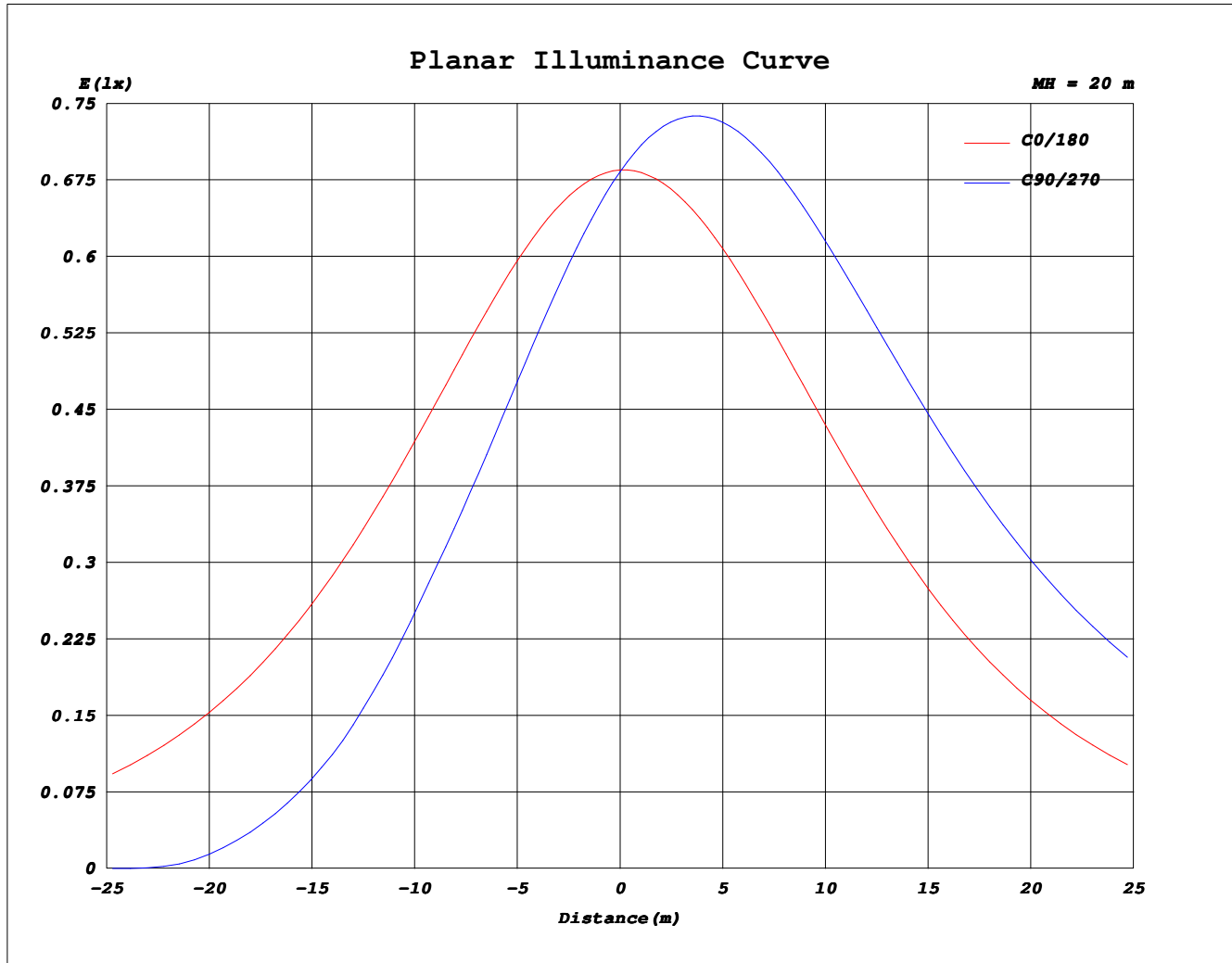
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Planar Illuminance Curve



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MARCA DRITE, REFERENCIA N LDP153
13 W (120-240) V 3000 K
60 LED SMD

Test Distance: 13.200 metres
Test Temperature: 24.7 degrees Celsius

Significance: PHOTOMETRIC TEST
D-LUX
Carrera 46 # 14-213, Medellín - Antioquia
SAMPLES RECEIVED IN 2021-08-19

Special Notes: TEST EQUIPMENT

GONIOPHOTOMETER SYSTEM: 109A
POWER SUPPLY: 107A
POWER ANALIZER: 110A
THERMOHYGROMETER 294M

Environmental Conditions: 25 ± 1 °C temperature and 50 ± 15% RH
The results reported here relate only to the elements tested.
This test report should not be partially reproduced,
Without the approval of the QTEST Laboratory.

Checked / Approved: Checked
JORGE VALENCIA

Approved
CLAUDIA BETANCUR

Testing Procedure: IESNA LM 79 de 2019 numeral 10

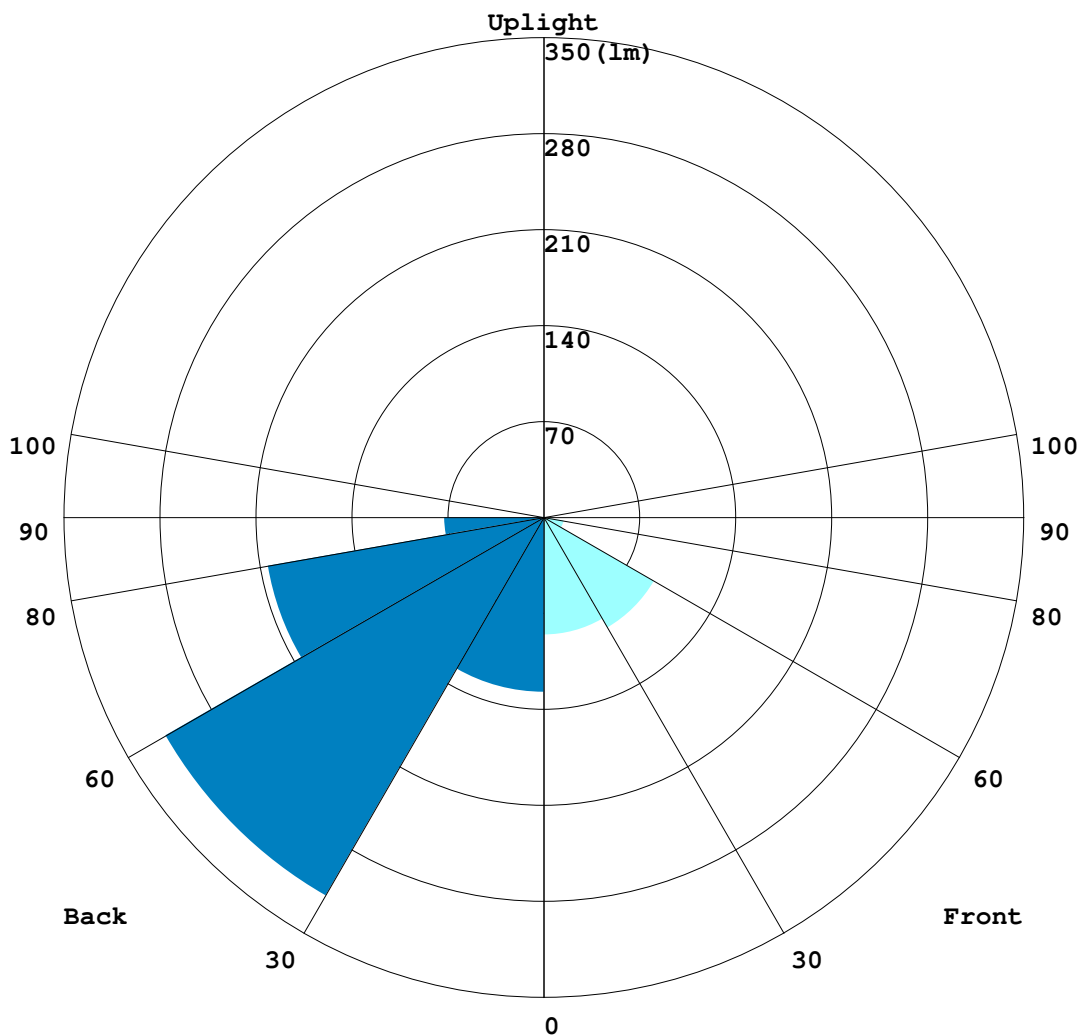
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LCS REPORT

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LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



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BUG REPORT

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IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	85.575	9.3
FM - Front-Medium(30-60)	93.173	10.2
FH - Front-High(60-80)	15.008	1.6
FVH - Front-Very High(80-90)	0.59808	0.1
Total Forward Light	194.35	21.2

BL - Back-Low(0-30)	127.41	13.9
BM - Back-Medium(30-60)	318.43	34.7
BH - Back-High(60-80)	204.33	22.3
BVH - Back-Very High(80-90)	72.538	7.9
Total Back Light	722.71	78.8

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	722.71	0	722.71
Street Side	194.35	0	194.35

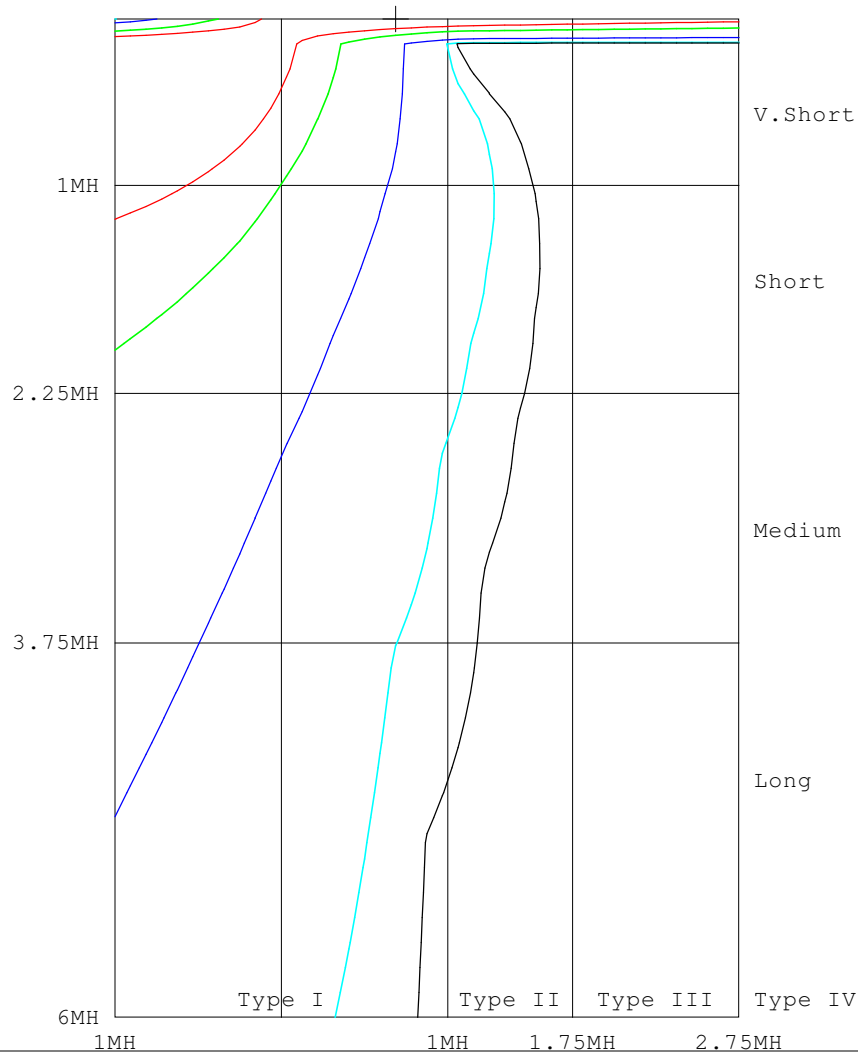
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ROAD ISOCANDELA REPORT

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SPEC.:NA	DIM.: NA	SERIAL No.:NA
MFR.: ORVIBO	SUR.:NA	Shielding Angle:NA

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 24.7DEG
Operators: JV
Test Date: 2021-09-07

Pavement: 70% Road: 17% Road: 17% Road: 17%
 70% 17% 17% 17%

Y Range: 0 - 90DEG
Y Interval: 1.0DEG
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