

LUMINARIA LED EXTERIOR

MARCA REFERENCIA N LDP101  
12 W (100-277) V 3000 K  
LED 2835 SMD



Light Output Ratio:	100.0%
Luminaire Power:	13.03 W
I80 = 63.9 cd per klm.	I88 = 19.2 cd per klm.
I90 = 2.2 cd per klm.	I80/I88 = 3.321

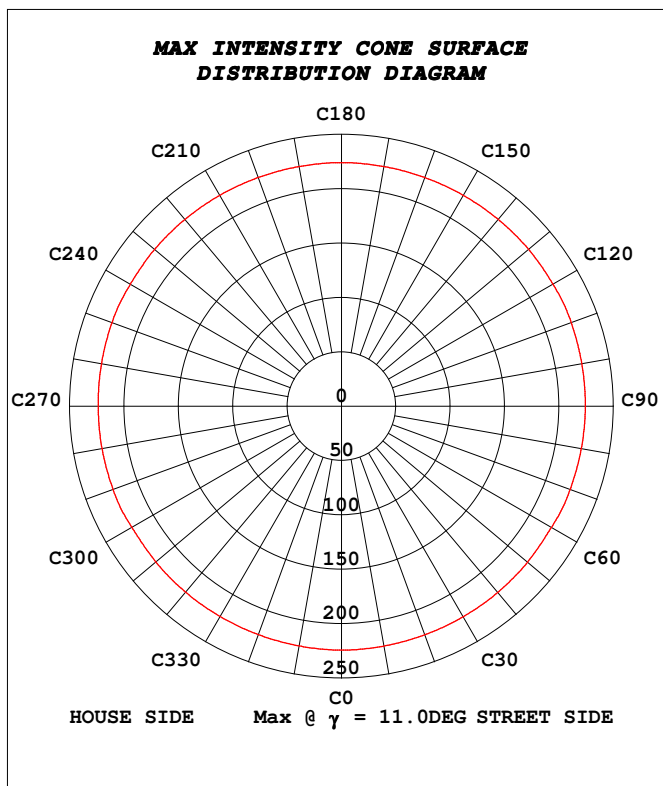
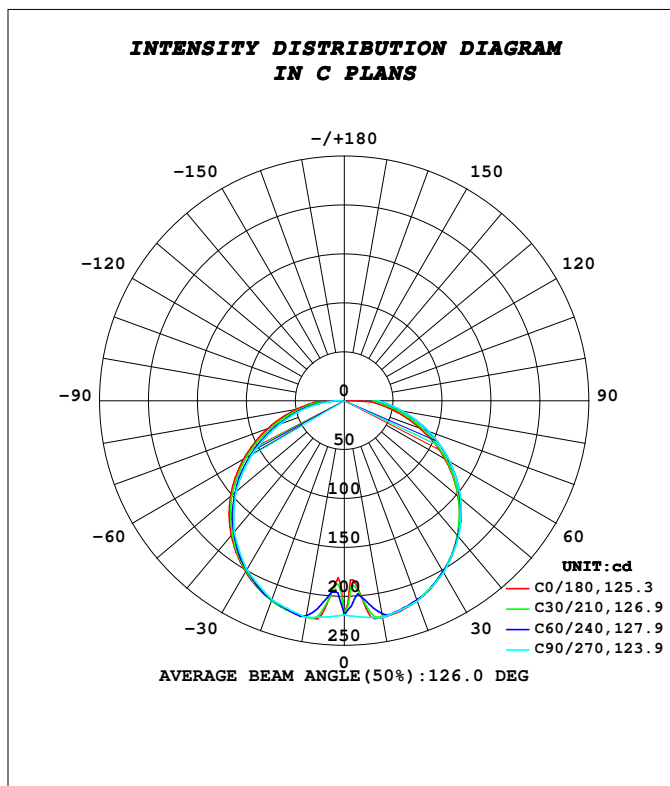
**H(β) Range:-90 - 90DEG**  
**H(β) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature:24.7DEG**  
**Operators:**  
**Test Date:2021-08-25**

**V(B) Range:-90 - 90DEG**  
**V(B) Interval: 5.0DEG**  
**Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.417**  
**Humidity:59%**  
**Test Distance:13.200m [K=1.0000]**  
**Remarks: LUMINARIA EXTERIOR 12 W**  
**QTEST 22211-07**

**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:120.92V I:0.1087A P:13.033W PF:0.9916 Freq:60.00Hz Lamp Flux:749.647x1 lm		
NAME: LUMINARIA EXTERIOR 12 W	TYPE:EXTERIOR	WEIGHT:NA
SPEC.:NA	DIM.: NA	SERIAL No.:NA
MFR.: DRITE	SUR.:NA	Shielding Angle:NA

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 57.52 lm/W
MODEL	LDP101	I <sub>max</sub> (cd)	225.1	η street_up (%)	0.0	
NOMINAL POWER (W)	12 W	LOR (%)	100.0	η street_down (%)	51.9	
RATED VOLTAGE (V)	100-277	TOTAL FLUX (lm)	749.6	η house_up (%)	0.0	
NOMINAL FLUX (lm)	749.647	MAXIMUM @ (C, γ )	115,11.0	η house_down (%)	48.1	
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100	
TEST VOLTAGE (V)	120	η down (%)	100.0	SLI	16.429	

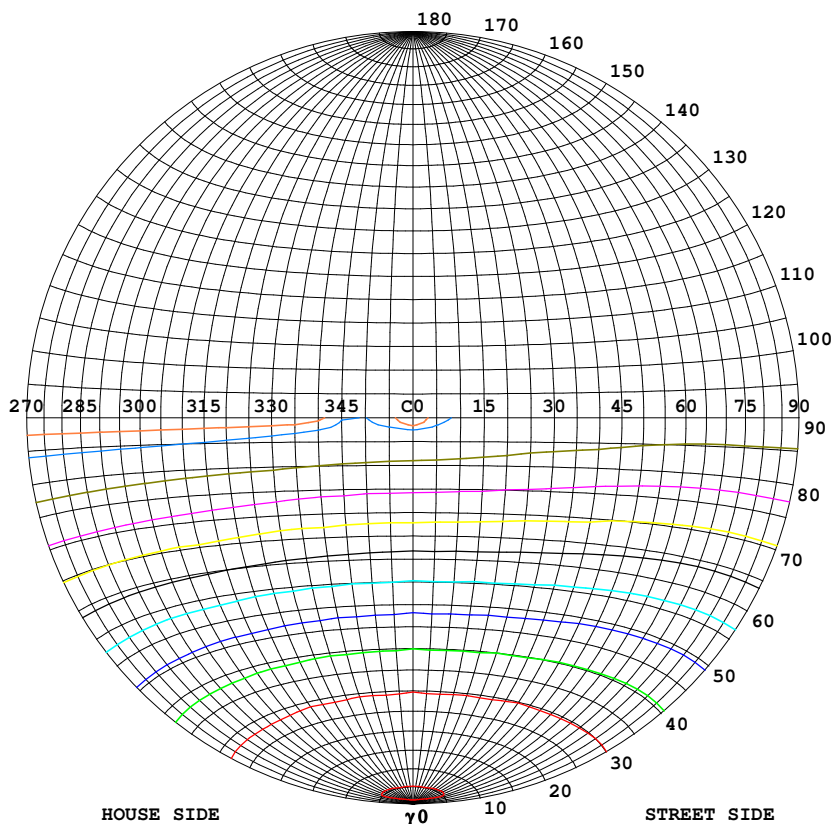


H(β) Range: -90 - 90DEG  
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 Operators:  
 Test Date: 2021-08-25

V(B) Range: -90 - 90DEG  
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 Humidity: 59%  
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 Remarks: LUMINARIA EXTERIOR 12 W  
 QTEST 22211-07

**STREETLIGHT ISOCANDELA DIAGRAM**

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



**Classification:**

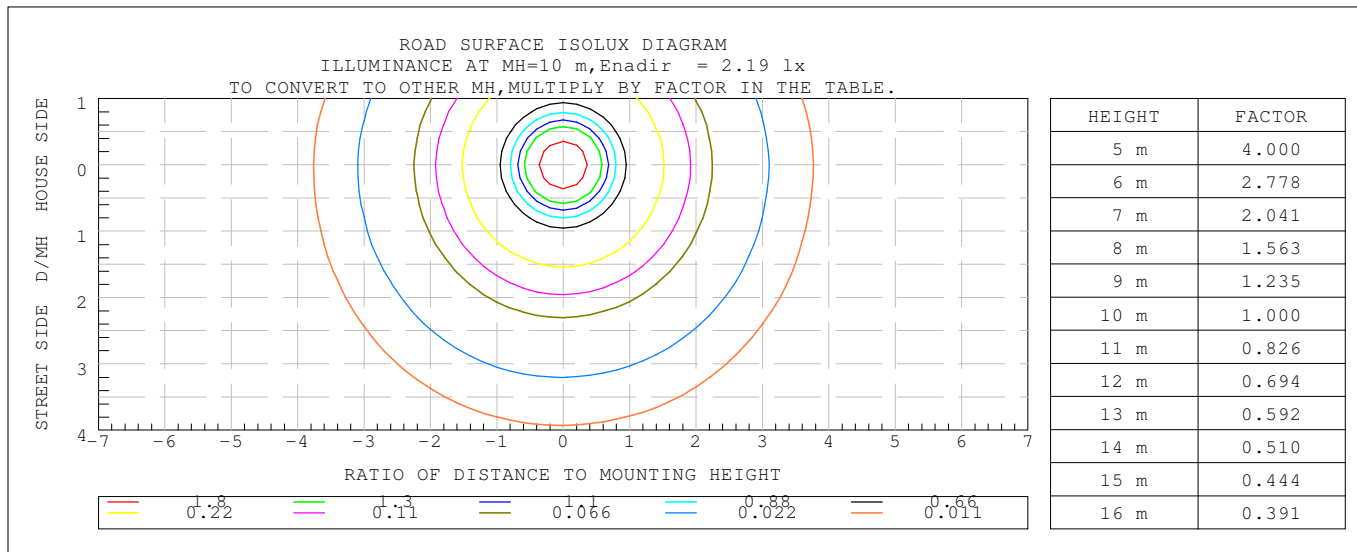
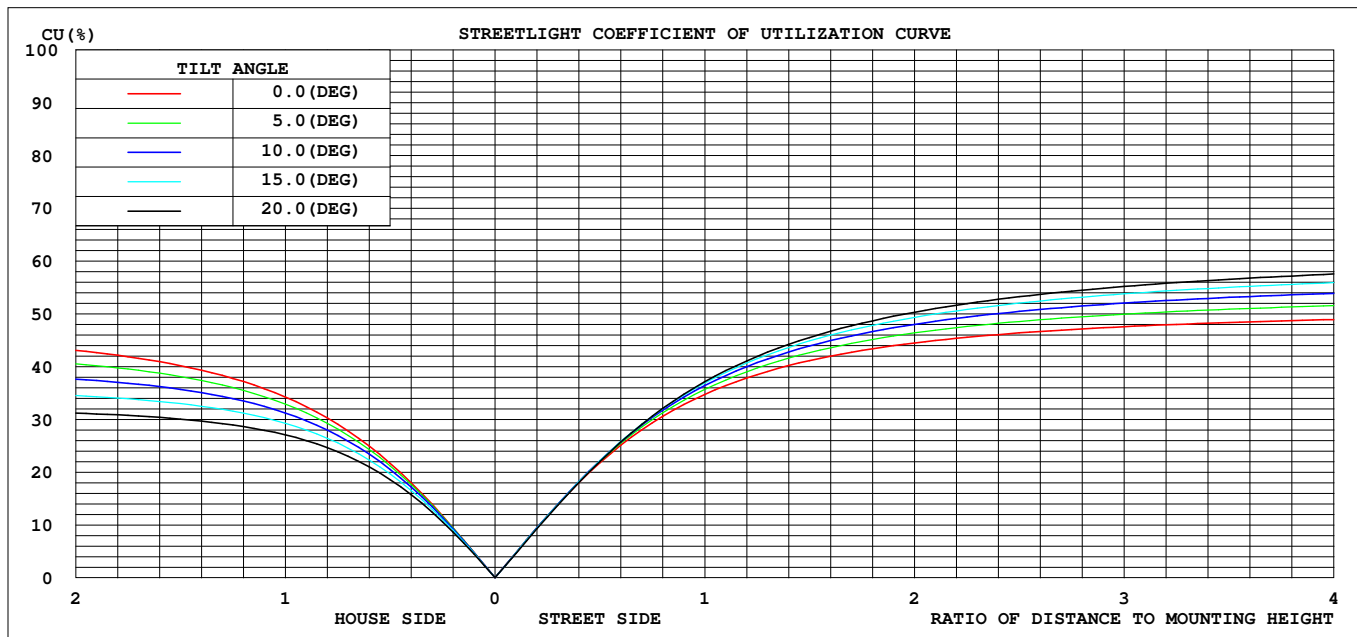
IES:Type V - Very Short  
 CIE:Narrow - Short  
 IES:None cut-off  
 CIE:Semi-cut-off  
 Max.At80:79.12cd/klm  
 Max.At90:44.56cd/klm  
 Max.80-90:79.12cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	225
90%	203
80%	180
70%	158
60%	135
50%	113
40%	90
30%	68
20%	45
10%	23
5%	11

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**COEFFICIENT OF UTILIZATION CURVE  
 AND ISOLUX DIAGRAM**



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ZONAL FLUX DIAGRAM

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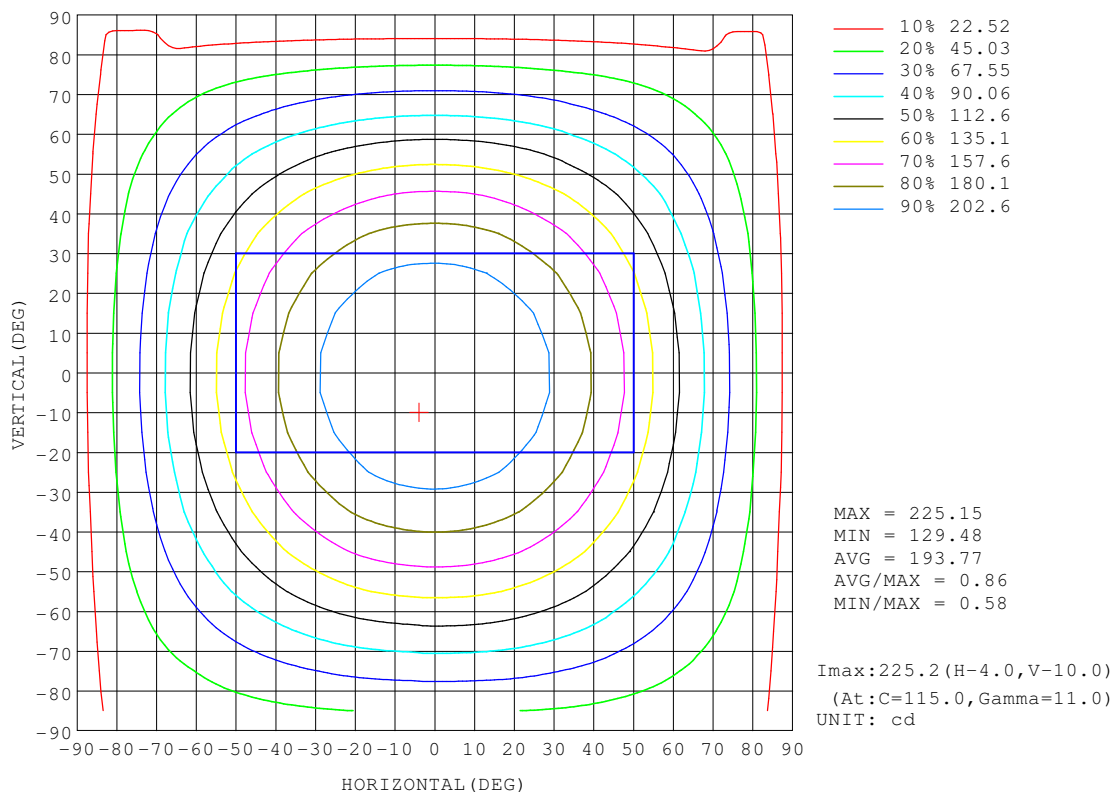
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\phi$ zone	$\phi$ total	\$lum,lamp
10	224.7	223.2	225.0	224.6	224.4	224.4	224.6	222.9	0- 10	20.41	20.41	2.72,2.72
20	217.5	216.5	217.9	217.0	217.2	216.5	216.3	215.7	10- 20	62.57	82.97	11.1,11.1
30	202.1	201.9	202.9	202.0	201.8	200.4	199.3	199.6	20- 30	96.72	179.7	24,24
40	179.9	180.6	181.6	180.6	179.6	177.4	175.0	176.5	30- 40	119.2	298.9	39.9,39.9
50	151.9	154.1	155.4	153.4	151.7	147.8	144.2	147.4	40- 50	127.4	426.3	56.9,56.9
60	118.8	122.7	124.9	121.9	118.6	113.0	108.2	112.2	50- 60	120.1	546.4	72.9,72.9
70	82.27	89.46	92.05	88.19	83.26	75.50	69.66	74.56	60- 70	98.68	645.1	86.1,86.1
80	47.89	57.10	58.84	55.94	48.75	41.29	35.99	40.98	70- 80	68.29	713.4	95.2,95.2
90	1.674	31.52	33.04	31.36	1.906	2.715	2.503	2.511	80- 90	36.28	749.6	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

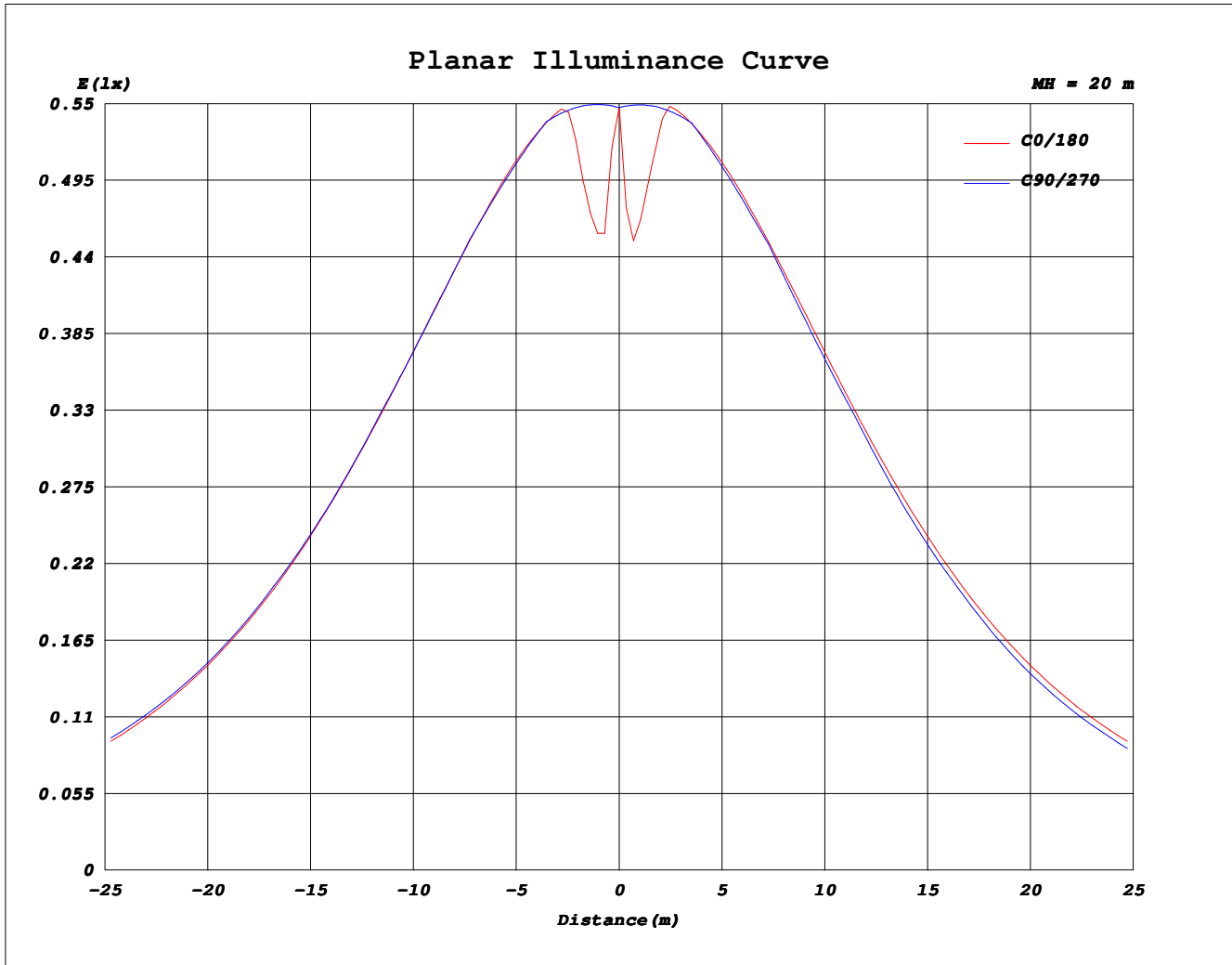
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**Temperature:24.7DEG**  
**Operators:**  
**Test Date:2021-08-25**

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Planar Illuminance Curve



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QTEST 22211-07

MARCA REFERENCIA N LDP101  
12 W (100-277) V 3000 K  
LED 2835 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

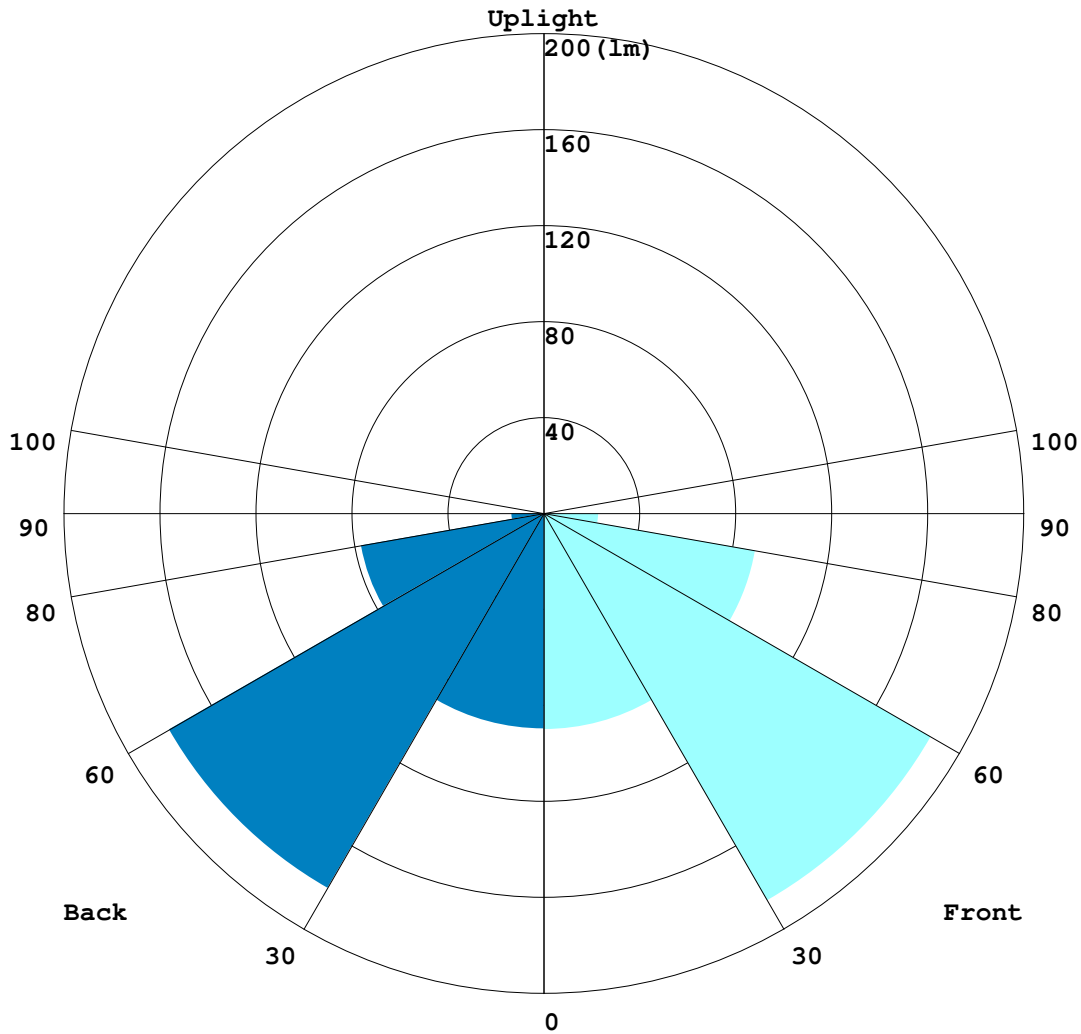
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LCS REPORT

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LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



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**Test Date:2021-08-25**

**V(B) Range:-90 - 90DEG**  
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**BUG REPORT**

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

**IESNA Luminaire Flux Distribution Table:**

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	90.027	12.0
FM - Front-Medium(30-60)	186.36	24.9
FH - Front-High(60-80)	89.646	12.0
FVH - Front-Very High(80-90)	22.821	3.0
Total Forward Light	388.85	51.9

BL - Back-Low(0-30)	89.668	12.0
BM - Back-Medium(30-60)	180.34	24.1
BH - Back-High(60-80)	77.328	10.3
BVH - Back-Very High(80-90)	13.461	1.8
Total Back Light	360.8	48.1

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	B0-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	360.8	0	360.8
Street Side	388.85	0	388.85

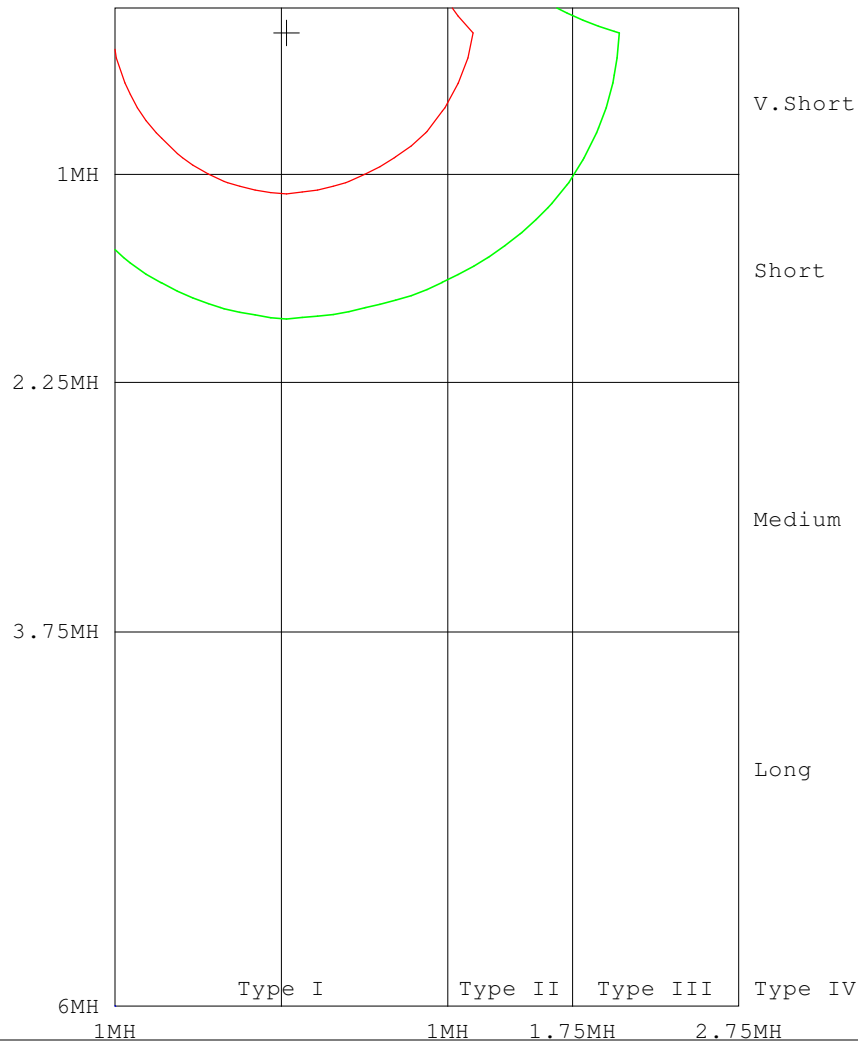
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**ROAD ISOCANDELA REPORT**

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NAME: LUMINARIA EXTERIOR 12 W	TYPE:EXTERIOR	WEIGHT:NA
SPEC.:NA	DIM.: NA	SERIAL No.:NA
MFR.: DRITE	SUR.:NA	Shielding Angle:NA

ROAD SURFACE ISOCANDELA DIAGRAM



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