

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P832530

Luminaire Tested: **TTN-D0-830-U-WQ-SG**

Issue Date: 5/14/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P832530  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-254-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/14/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: TTN-D0-830-U-WQ-SG  
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE  
3000K, 80 CRI LEDS AND WIDE DISTRIBUTION WITH SOLITE GLASS  
Light Source: -  
Ballast/Driver: -

**Summary**

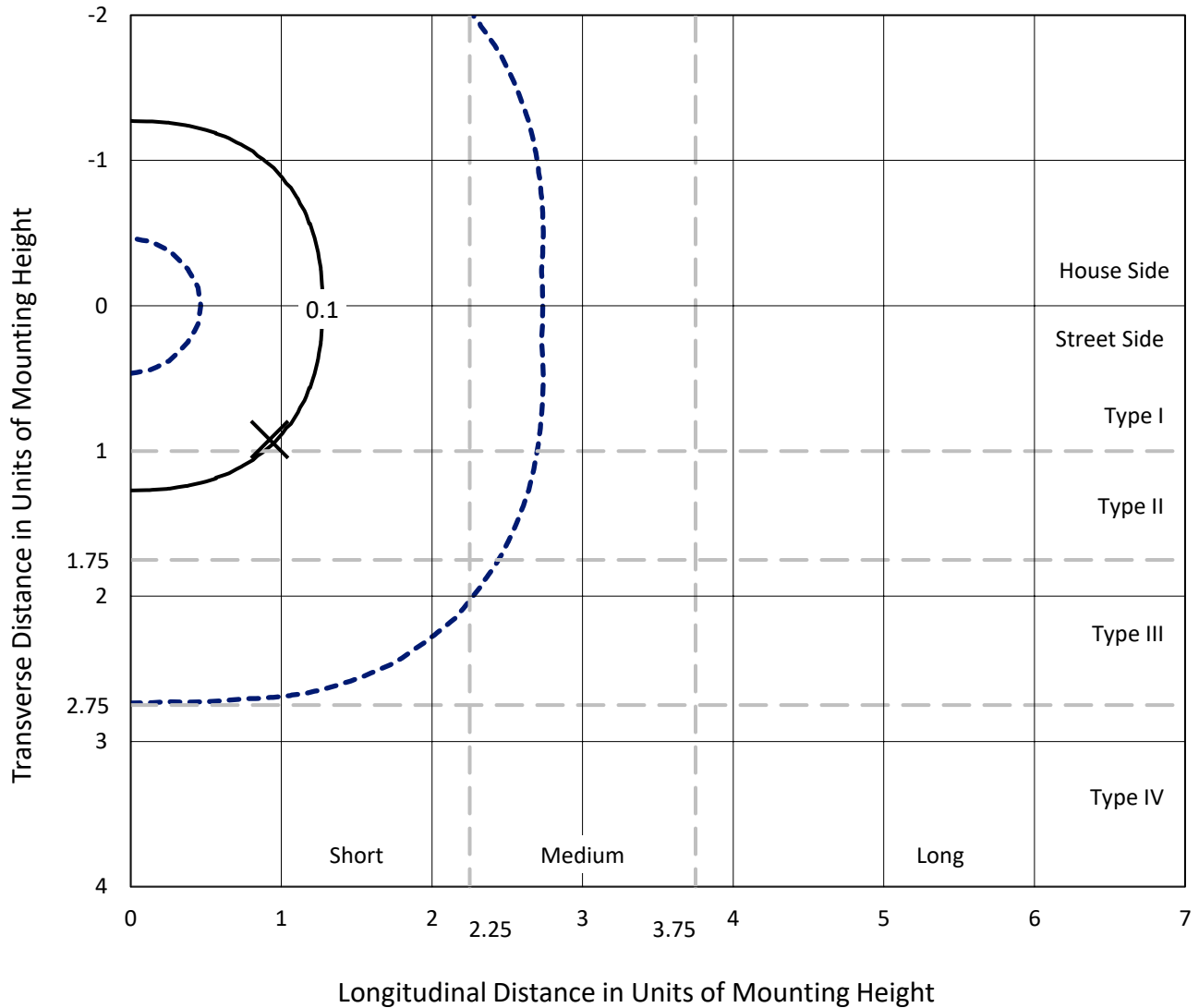
Lumens per Lamp: N/A  
Luminaire Lumens: 1013 lumens  
Efficiency: N/A  
Efficacy: 94.7 lumens/watt  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 10.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

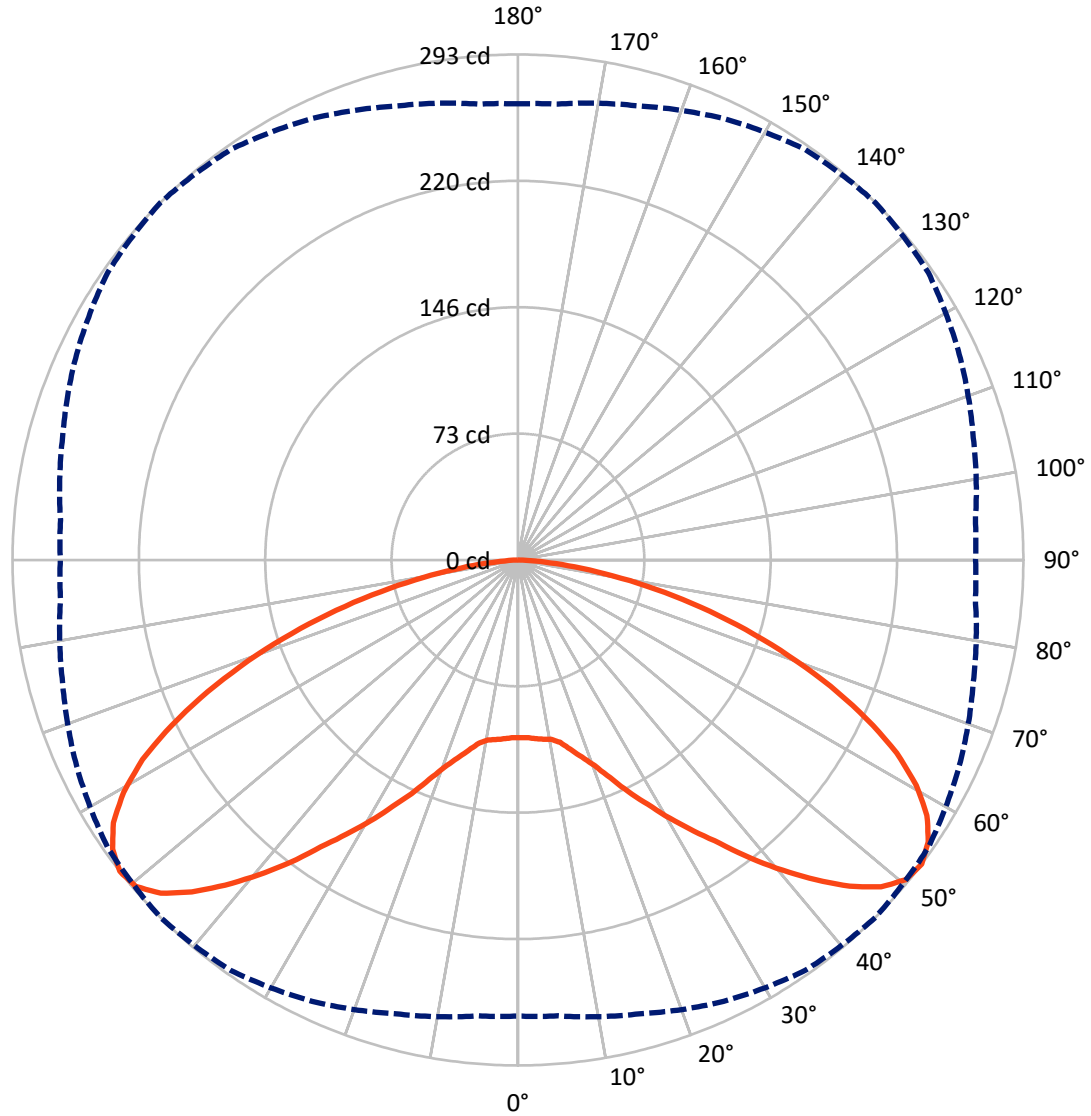
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 52.5-Deg Vertical

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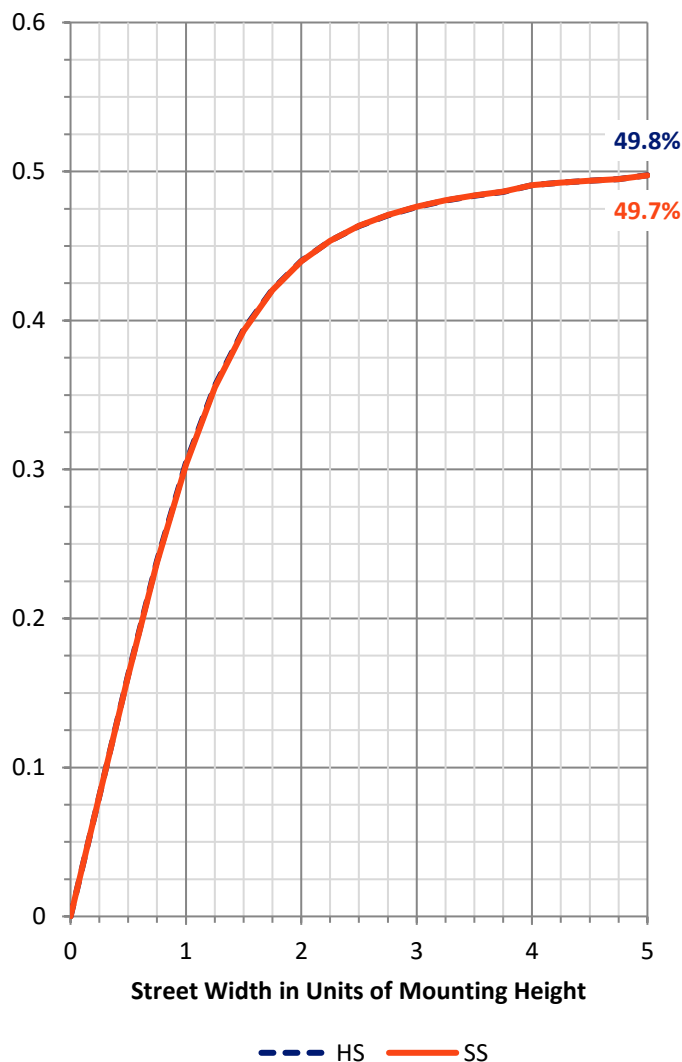
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	506.5	0.0	506.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	506.5	0.0	506.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	1013.0	0.0	1013.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.0	1.0
10°-20°	32.7	3.2
20°-30°	69.0	6.8
30°-40°	126.0	12.4
40°-50°	200.6	19.8
50°-60°	242.6	23.9
60°-70°	204.0	20.1
70°-80°	108.1	10.7
80°-90°	20.0	2.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1013.0	100.0
0°-180°	1013.0	100.0



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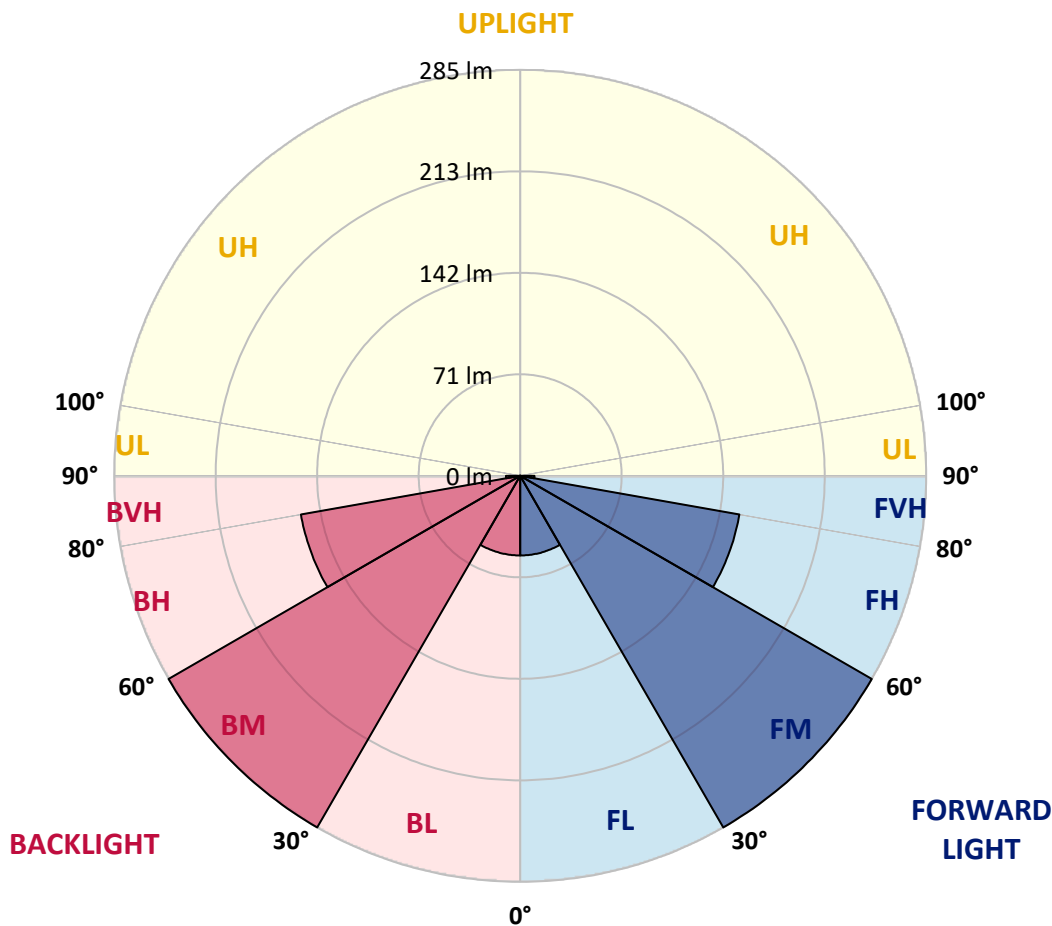
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	55.8	5.5			
FM (30°-60°)	284.6	28.1			
FH (60°-80°)	156.1	15.4			G0/660
FVH (80°-90°)	10.0	1.0			G0/10
BL (0°-30°)	55.8	5.5	B0/110		
BM (30°-60°)	284.6	28.1	B1/1000		
BH (60°-80°)	156.1	15.4	B1/500		G0/660
BVH (80°-90°)	10.0	1.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0
2.5°	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0
5°	103.9	103.9	103.0	103.9	103.9	103.9	103.9	103.9	103.9	103.9	103.9
7.5°	103.9	103.9	103.9	104.8	104.8	104.8	104.8	103.9	103.9	103.9	103.9
10°	105.7	105.7	105.7	105.7	105.7	105.7	105.7	105.7	105.7	105.7	105.7
12.5°	108.4	108.4	108.4	108.4	108.4	108.4	108.4	108.4	108.4	108.4	108.4
15°	112.8	112.8	112.8	112.8	113.7	113.7	113.7	112.8	112.8	112.8	112.8
17.5°	118.2	118.2	119.1	119.1	120.0	120.0	120.0	119.1	118.2	119.1	118.2
20°	126.3	126.3	126.3	127.2	128.1	127.2	128.1	126.3	126.3	126.3	126.3
22.5°	135.2	135.2	135.2	136.1	137.0	137.0	137.0	135.2	135.2	135.2	135.2
25°	146.0	146.0	146.0	146.9	147.8	148.7	148.7	146.9	146.0	146.0	145.1
27.5°	156.7	156.7	158.5	159.4	160.3	160.3	160.3	158.5	157.6	157.6	157.6
30°	169.3	169.3	171.1	171.9	173.7	173.7	173.7	171.1	170.2	169.3	169.3
32.5°	180.9	181.8	183.6	185.4	187.2	187.2	188.1	184.5	182.7	181.8	181.8
35°	193.4	194.3	196.1	198.8	200.6	201.5	202.4	198.8	196.1	195.2	195.2
37.5°	207.8	208.7	211.4	214.0	217.6	219.4	220.3	214.9	210.5	208.7	208.7
40°	223.9	224.8	227.5	231.1	234.6	236.4	237.3	231.9	227.5	225.7	224.8
42.5°	237.3	239.1	241.8	247.2	250.8	253.4	253.4	247.2	241.8	239.1	239.1
45°	249.9	251.7	256.1	261.5	266.9	269.6	268.7	262.4	256.1	252.5	251.7
47.5°	259.7	261.5	266.9	273.1	280.3	283.0	282.1	274.9	266.9	262.4	261.5
50°	265.1	266.0	272.2	281.2	288.4	291.1	289.3	282.1	273.1	266.9	266.0
52.5°	264.2	265.1	272.2	282.1	290.2	292.8	290.2	282.1	273.1	266.0	265.1
55°	258.8	259.7	266.9	277.6	285.7	288.4	285.7	277.6	267.8	260.6	259.7
57.5°	249.0	249.9	257.0	267.8	276.7	279.4	275.8	266.9	257.0	249.9	249.9
60°	234.6	235.5	242.7	254.3	262.4	265.1	260.6	253.4	243.6	235.5	234.6
62.5°	215.8	215.8	223.9	235.5	242.7	246.3	241.8	233.7	224.8	215.8	216.7
65°	193.4	192.5	200.6	211.4	219.4	222.1	217.6	210.5	201.5	193.4	193.4
67.5°	170.2	170.2	176.4	185.4	192.5	195.2	190.8	184.5	177.3	170.2	170.2
70°	145.1	145.1	149.6	158.5	164.8	166.6	163.9	157.6	151.3	145.1	145.1
72.5°	120.0	119.1	123.6	130.8	136.1	137.9	135.2	131.6	124.5	120.0	120.0
75°	94.9	94.0	96.7	103.0	107.5	109.3	106.6	103.9	98.5	94.9	94.9
77.5°	70.7	69.9	72.5	77.9	80.6	81.5	79.7	77.9	73.4	70.7	70.7
80°	48.4	47.5	49.3	52.8	55.5	55.5	54.6	53.7	50.2	48.4	49.3
82.5°	28.7	27.8	29.6	32.2	34.0	33.1	33.1	32.2	29.6	28.7	28.7
85°	12.5	11.6	12.5	14.3	16.1	15.2	15.2	15.2	13.4	12.5	12.5
87.5°	1.8	1.8	1.8	2.7	3.6	2.7	2.7	2.7	1.8	1.8	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)