

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: P832503

Luminaire Tested: **TTN-D0-735-U-RW-CG**

Issue Date: 5/14/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P832503  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-254-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/14/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: TTN-D0-735-U-RW-CG  
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE  
3500K, 70 CRI LEDS AND RECTANGULAR DISTRIBUTION WITH CLEAR GLASS  
Light Source: -  
Ballast/Driver: -

**Summary**

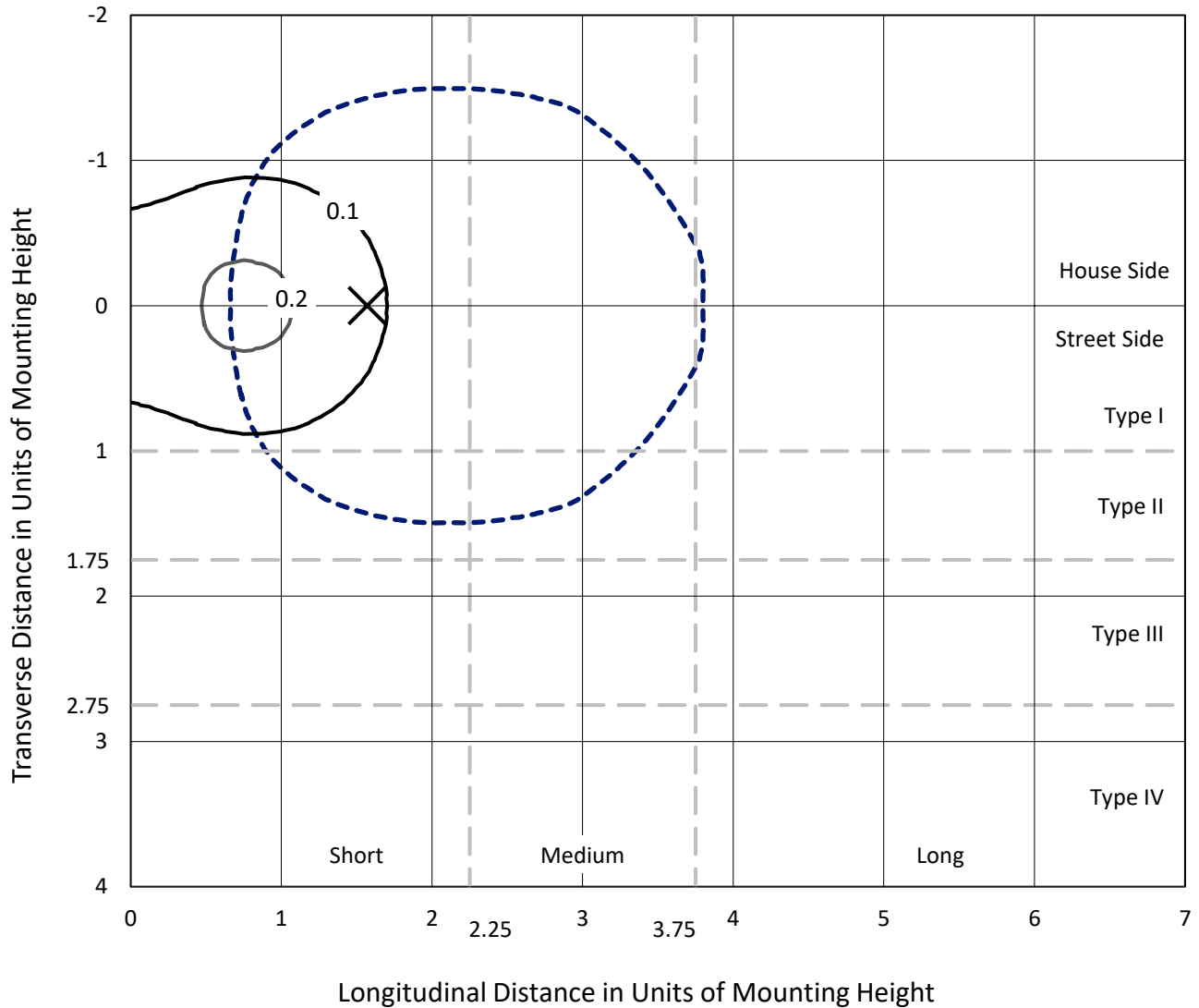
Lumens per Lamp: N/A  
Luminaire Lumens: 1053 lumens  
Efficiency: N/A  
Efficacy: 98.4 lumens/watt  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 10.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

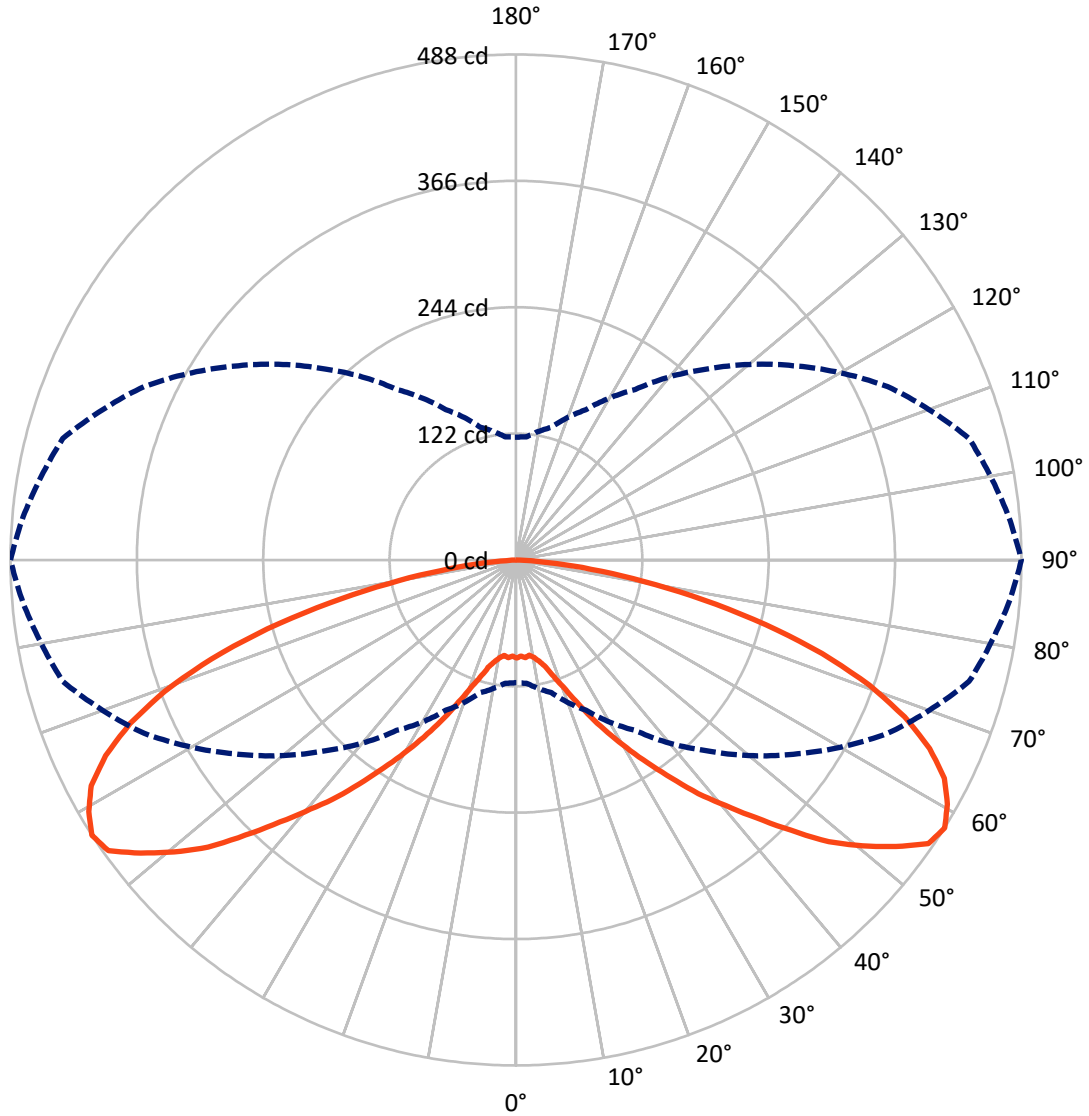
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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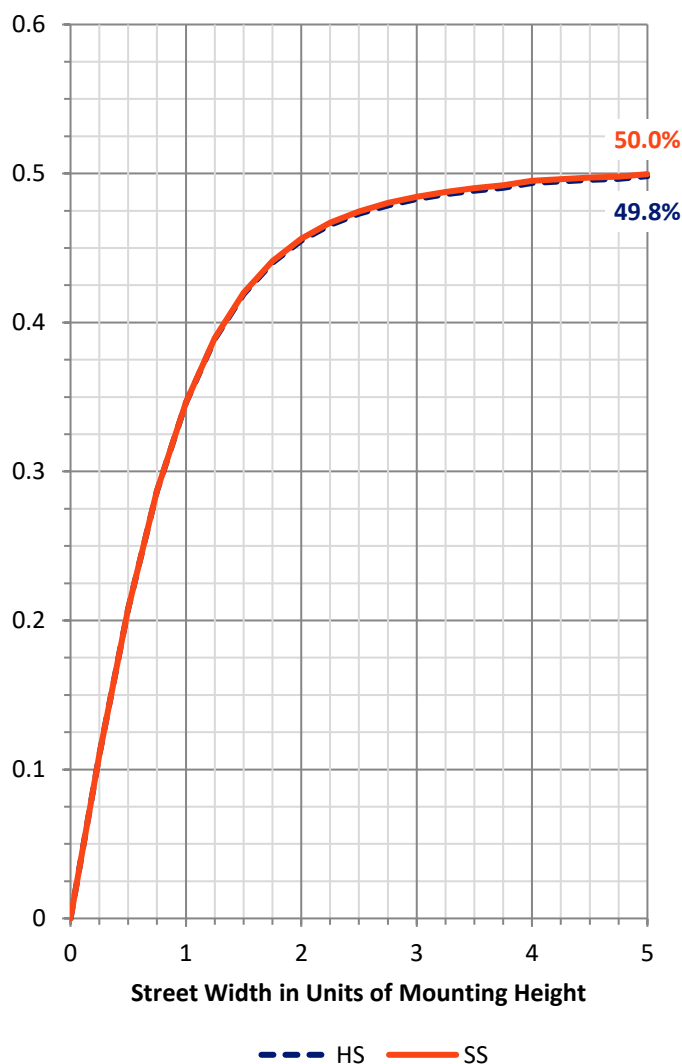
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	526.5	0.0	526.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	526.5	0.0	526.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	1053.0	0.0	1053.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.0	0.9
10°-20°	29.1	2.8
20°-30°	61.9	5.9
30°-40°	114.1	10.8
40°-50°	183.8	17.5
50°-60°	248.7	23.6
60°-70°	241.8	23.0
70°-80°	140.7	13.4
80°-90°	23.8	2.3
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°	1053.0	100.0
0°-180°	1053.0	100.0

**Coefficient of Utilization**



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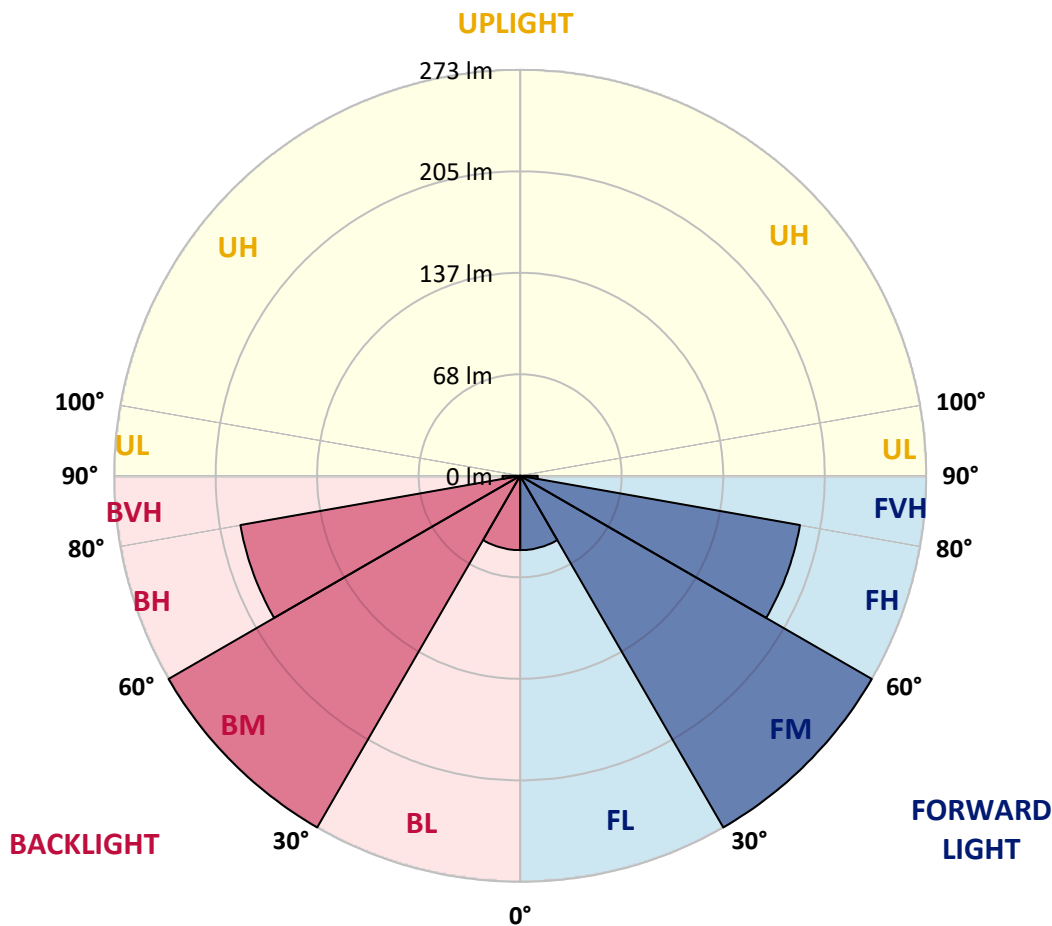
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	50.0	4.8			
FM (30°-60°)	273.3	26.0			
FH (60°-80°)	191.3	18.2			G0/660
FVH (80°-90°)	11.9	1.1			G1/100
BL (0°-30°)	50.0	4.8	B0/110		
BM (30°-60°)	273.3	26.0	B1/1000		
BH (60°-80°)	191.3	18.2	B1/500		G1/500
BVH (80°-90°)	11.9	1.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
2.5°	94.7	94.7	94.7	94.7	93.8	93.8	93.8	92.8	92.8	92.8	92.8
5°	94.7	94.7	94.7	95.7	95.7	95.7	94.7	94.7	94.7	94.7	94.7
7.5°	94.7	95.7	95.7	94.7	94.7	93.8	93.8	93.8	92.8	92.8	92.8
10°	94.7	94.7	94.7	94.7	93.8	93.8	94.7	94.7	95.7	95.7	95.7
12.5°	93.8	93.8	94.7	94.7	94.7	95.7	97.6	98.5	99.5	100.4	100.4
15°	94.7	94.7	95.7	96.6	97.6	99.5	102.3	105.2	107.1	108.0	107.1
17.5°	94.7	95.7	96.6	98.5	101.4	104.2	109.0	112.7	116.5	117.5	118.4
20°	96.6	96.6	97.6	101.4	106.1	110.8	117.5	124.1	128.9	130.7	130.7
22.5°	97.6	98.5	99.5	104.2	111.8	119.4	128.9	136.4	143.1	146.9	147.8
25°	100.4	100.4	102.3	109.0	118.4	129.8	142.1	153.5	162.0	166.7	167.7
27.5°	102.3	103.3	106.1	114.6	127.0	141.2	158.2	171.5	181.9	187.6	188.5
30°	104.2	105.2	110.8	120.3	135.5	152.5	172.4	189.5	202.7	209.4	210.3
32.5°	107.1	108.0	114.6	125.1	143.1	163.9	186.6	207.5	226.4	232.1	233.1
35°	109.9	110.8	118.4	130.7	151.6	175.3	201.8	226.4	249.2	256.8	258.6
37.5°	112.7	113.7	121.3	136.4	160.1	187.6	218.9	248.2	272.9	283.3	286.1
40°	115.6	116.5	125.1	142.1	168.6	200.9	236.9	269.1	297.5	309.8	311.7
42.5°	117.5	118.4	127.9	146.9	177.2	213.2	255.8	291.8	322.1	338.2	340.1
45°	120.3	121.3	131.7	153.5	184.7	227.4	273.8	317.4	352.4	370.4	372.3
47.5°	122.2	123.2	134.5	157.3	193.3	240.6	292.8	340.1	381.8	400.8	406.4
50°	123.2	124.1	136.4	161.1	199.0	250.1	307.9	362.9	407.4	431.1	433.9
52.5°	123.2	125.1	137.4	163.9	202.7	258.6	320.2	381.8	432.0	458.6	459.5
55°	122.2	123.2	136.4	163.0	204.6	262.4	328.8	393.2	449.1	474.7	483.2
57.5°	118.4	119.4	132.6	160.1	200.9	260.5	326.9	396.0	452.9	477.5	487.9
60°	112.7	114.6	127.0	153.5	195.2	253.9	321.2	390.3	447.2	477.5	478.5
62.5°	106.1	107.1	119.4	145.0	186.6	243.5	310.8	379.0	433.9	465.2	464.2
65°	96.6	97.6	108.0	134.5	171.5	223.6	289.9	361.0	408.3	441.5	438.7
67.5°	86.2	87.2	96.6	120.3	153.5	201.8	261.5	330.7	372.3	406.4	404.6
70°	74.8	74.8	83.4	103.3	134.5	177.2	230.2	290.9	332.5	361.0	361.9
72.5°	61.6	61.6	69.2	86.2	112.7	148.7	194.2	248.2	282.3	307.0	308.9
75°	48.3	47.4	54.0	68.2	89.1	118.4	153.5	199.9	226.4	250.1	249.2
77.5°	34.1	34.1	37.9	49.3	64.4	88.1	113.7	150.6	168.6	188.5	184.7
80°	21.8	21.8	23.7	32.2	42.6	58.7	74.8	102.3	114.6	129.8	125.1
82.5°	11.4	10.4	12.3	17.1	22.7	32.2	41.7	59.7	65.4	76.7	73.0
85°	3.8	3.8	3.8	5.7	8.5	12.3	16.1	25.6	26.5	34.1	31.3
87.5°	0.9	0.0	0.0	0.9	0.9	0.9	0.9	2.8	2.8	5.7	3.8
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)