

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: P832562

Luminaire Tested: **TTN-D1-735-U-MQ-CG**

Issue Date: 5/14/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P832562  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-254-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/14/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: TTN-D1-735-U-MQ-CG  
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE  
3500K, 70 CRI LEDS AND MEDIUM DISTRIBUTION WITH CLEAR GLASS  
Light Source: -  
Ballast/Driver: -

**Summary**

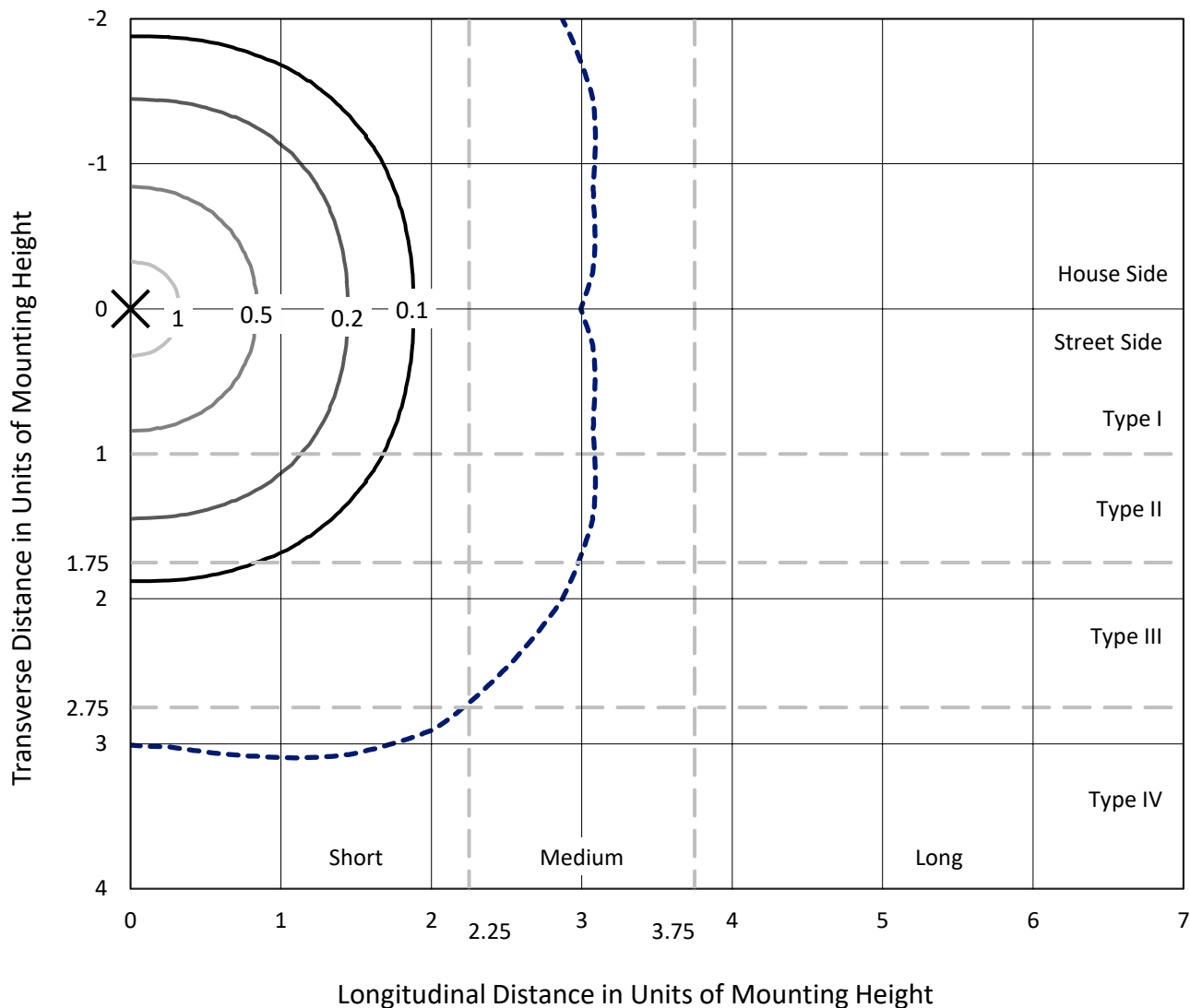
Lumens per Lamp: N/A  
Luminaire Lumens: 3231 lumens  
Efficiency: N/A  
Efficacy: 122.4 lumens/watt  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 26.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

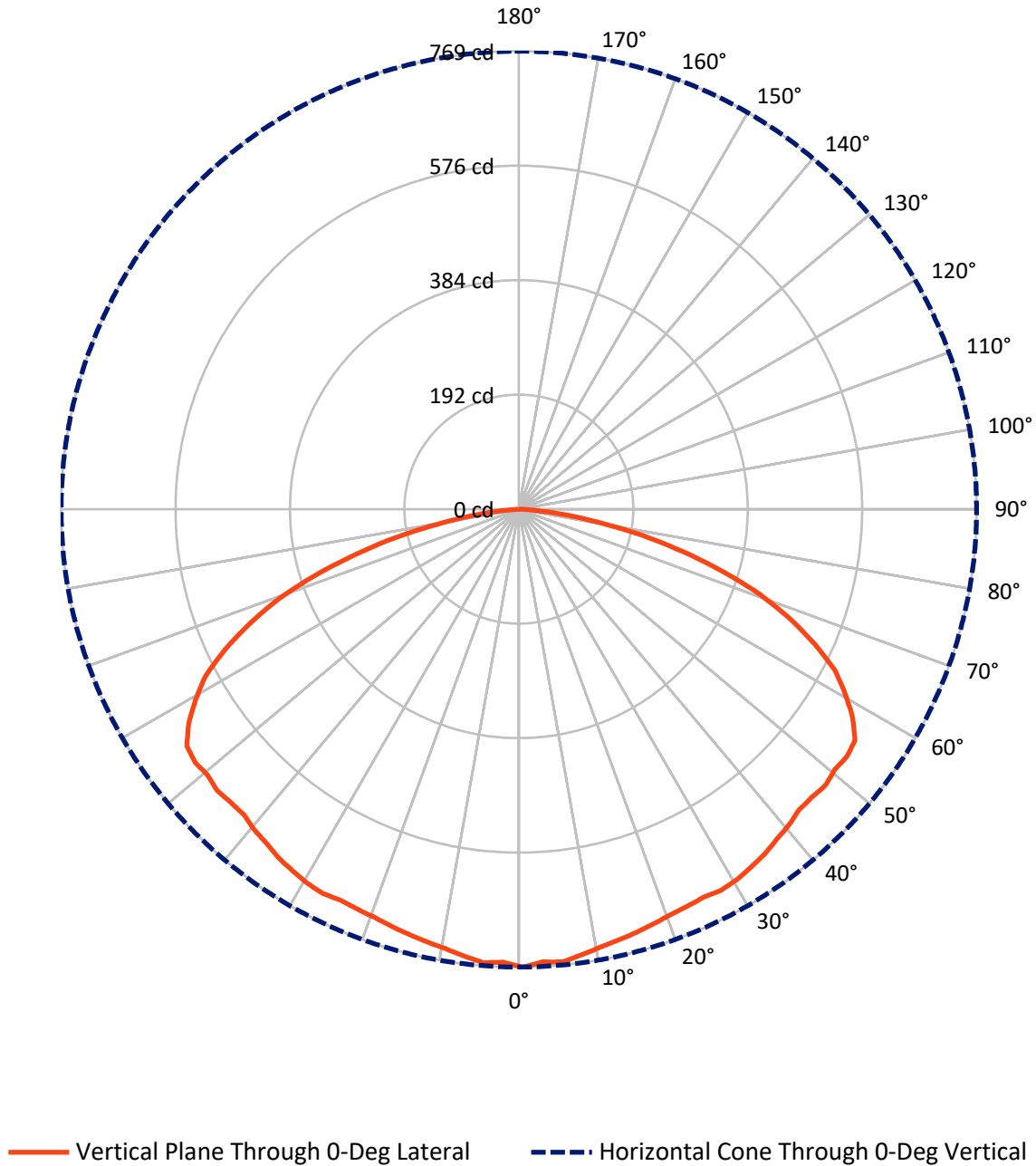
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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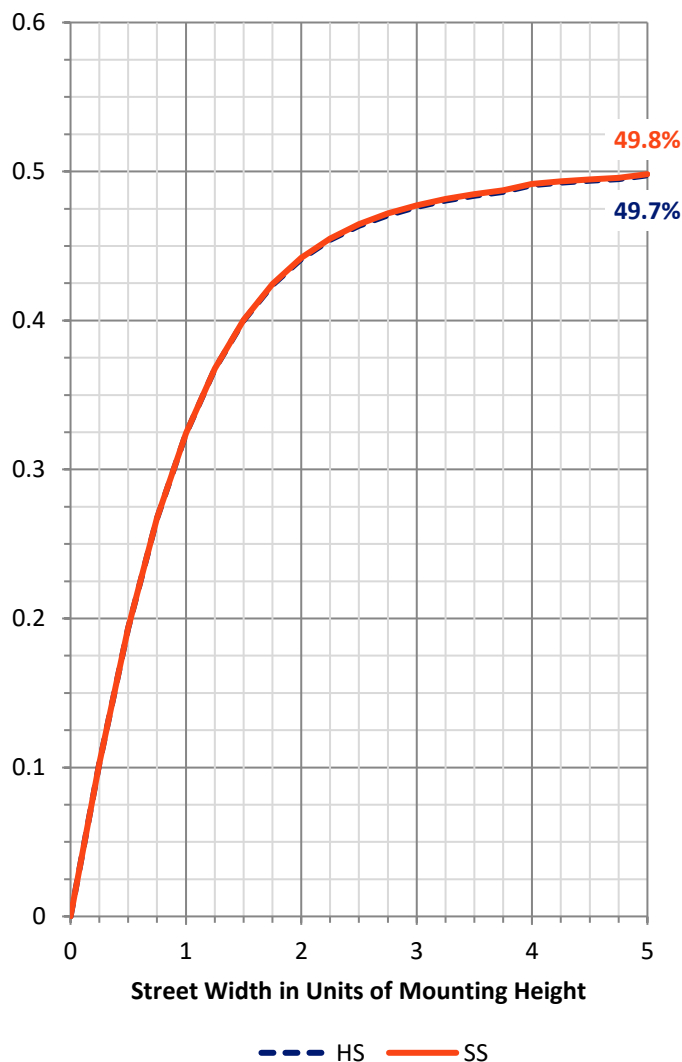
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1615.5	0.0	1615.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1615.5	0.0	1615.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3231.0	0.0	3231.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.2	2.2
10°-20°	208.8	6.5
20°-30°	335.9	10.4
30°-40°	448.8	13.9
40°-50°	545.2	16.9
50°-60°	633.5	19.6
60°-70°	584.5	18.1
70°-80°	342.1	10.6
80°-90°	59.9	1.9
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°	3231.0	100.0
0°-180°	3231.0	100.0

**Coefficient of Utilization**



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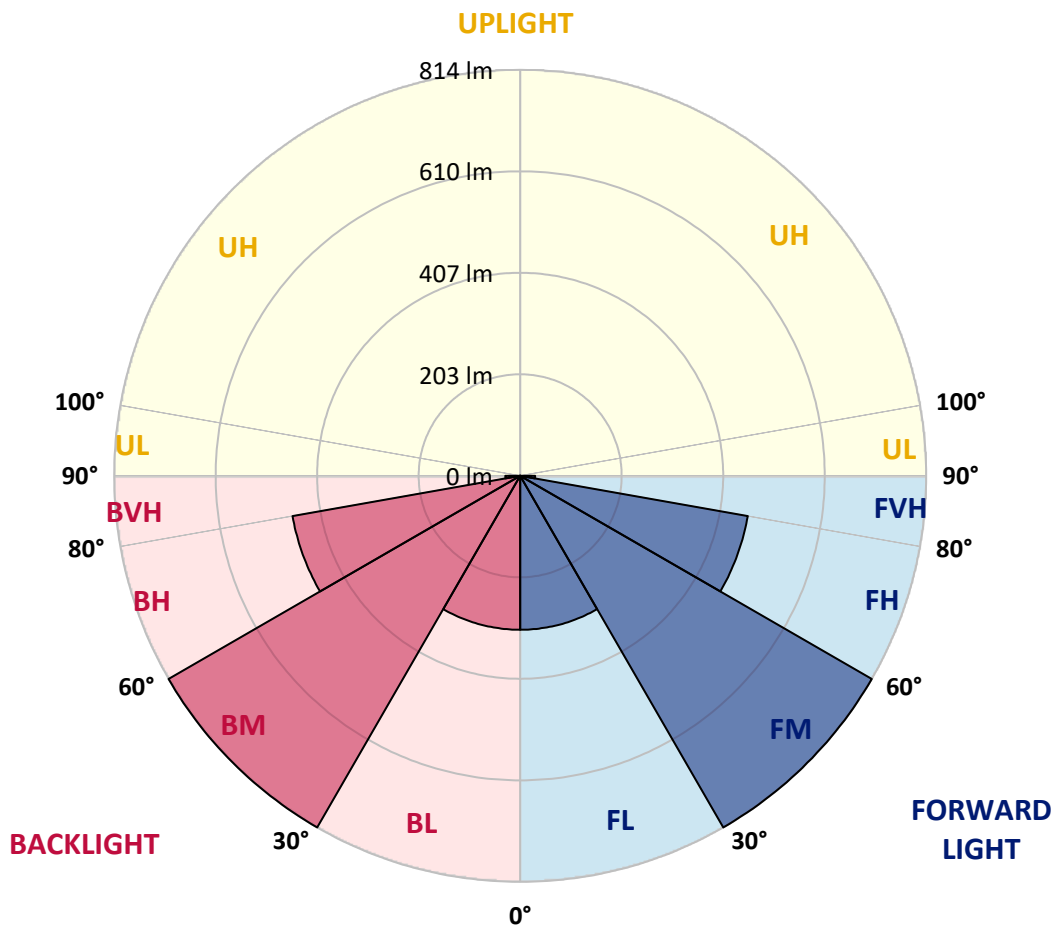
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	308.5	9.5			
FM (30°-60°)	813.7	25.2			
FH (60°-80°)	463.3	14.3			G0/660
FVH (80°-90°)	30.0	0.9			G1/100
BL (0°-30°)	308.5	9.5	B1/500		
BM (30°-60°)	813.7	25.2	B1/1000		
BH (60°-80°)	463.3	14.3	B1/500		G0/660
BVH (80°-90°)	30.0	0.9			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 V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	768.6	768.6	768.6	768.6	768.6	768.6	768.6	768.6	768.6	768.6	768.6
2.5°	760.8	763.4	760.8	760.8	760.8	760.8	760.8	760.8	760.8	760.8	763.4
5°	763.4	763.4	763.4	763.4	760.8	760.8	760.8	760.8	760.8	763.4	763.4
7.5°	755.5	755.5	755.5	755.5	755.5	752.9	755.5	755.5	755.5	755.5	755.5
10°	747.7	747.7	747.7	747.7	747.7	747.7	747.7	747.7	747.7	747.7	747.7
12.5°	742.4	742.4	742.4	742.4	742.4	742.4	742.4	742.4	742.4	739.8	739.8
15°	737.2	737.2	737.2	737.2	739.8	739.8	737.2	737.2	737.2	737.2	737.2
17.5°	731.9	731.9	731.9	731.9	734.5	734.5	734.5	731.9	731.9	731.9	731.9
20°	726.7	726.7	726.7	726.7	729.3	729.3	729.3	729.3	729.3	726.7	726.7
22.5°	724.1	724.1	724.1	724.1	726.7	726.7	726.7	726.7	724.1	724.1	724.1
25°	721.4	724.1	724.1	724.1	726.7	729.3	729.3	726.7	724.1	721.4	721.4
27.5°	724.1	724.1	724.1	726.7	726.7	729.3	729.3	726.7	724.1	724.1	724.1
30°	721.4	721.4	721.4	724.1	726.7	729.3	726.7	726.7	724.1	721.4	721.4
32.5°	716.2	716.2	718.8	721.4	724.1	724.1	724.1	721.4	718.8	716.2	716.2
35°	710.9	710.9	710.9	713.6	718.8	718.8	718.8	716.2	713.6	710.9	708.3
37.5°	703.1	705.7	705.7	710.9	713.6	716.2	713.6	710.9	705.7	703.1	703.1
40°	697.8	697.8	700.4	705.7	710.9	710.9	708.3	705.7	700.4	697.8	697.8
42.5°	689.9	689.9	695.2	700.4	708.3	708.3	705.7	700.4	695.2	689.9	689.9
45°	689.9	689.9	695.2	705.7	710.9	716.2	710.9	705.7	695.2	689.9	687.3
47.5°	692.6	692.6	697.8	710.9	721.4	726.7	718.8	708.3	697.8	692.6	689.9
50°	687.3	689.9	700.4	713.6	726.7	729.3	726.7	710.9	700.4	687.3	687.3
52.5°	689.9	689.9	703.1	724.1	737.2	742.4	737.2	724.1	700.4	687.3	687.3
55°	684.7	682.1	700.4	724.1	745.0	755.5	745.0	724.1	697.8	682.1	679.5
57.5°	661.1	661.1	684.7	708.3	734.5	739.8	731.9	708.3	682.1	661.1	655.8
60°	629.6	632.2	655.8	682.1	705.7	708.3	703.1	682.1	655.8	632.2	624.4
62.5°	595.5	600.8	624.4	650.6	679.5	684.7	676.8	650.6	619.1	603.4	590.3
65°	545.7	553.5	579.8	608.6	640.1	637.5	637.5	606.0	582.4	556.2	543.0
67.5°	490.6	498.4	516.8	556.2	582.4	579.8	577.1	556.2	516.8	498.4	490.6
70°	430.2	435.5	453.8	493.2	516.8	519.4	511.6	490.6	453.8	440.7	427.6
72.5°	359.4	362.0	388.3	419.7	443.4	440.7	438.1	419.7	385.6	372.5	356.8
75°	283.3	285.9	309.6	338.4	356.8	354.2	351.5	338.4	309.6	293.8	280.7
77.5°	212.5	209.9	233.5	254.5	265.0	267.6	262.3	251.8	230.9	217.7	209.9
80°	139.0	136.4	157.4	173.1	181.0	181.0	178.4	170.5	154.8	144.3	139.0
82.5°	78.7	76.1	89.2	99.7	107.6	104.9	102.3	97.1	89.2	81.3	76.1
85°	28.9	28.9	36.7	42.0	47.2	47.2	44.6	42.0	34.1	31.5	28.9
87.5°	2.6	2.6	5.2	7.9	7.9	7.9	5.2	5.2	2.6	2.6	2.6
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)