

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: P832570

Luminaire Tested: **TTN-D1-740-U-WQ-SG**

Issue Date: 5/14/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P832570  
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-D1-740-U-WQ-SG  
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE  
4000K, 70 CRI LEDS AND WIDE DISTRIBUTION WITH SOLITE GLASS  
Light Source: -  
Ballast/Driver: -

**Summary**

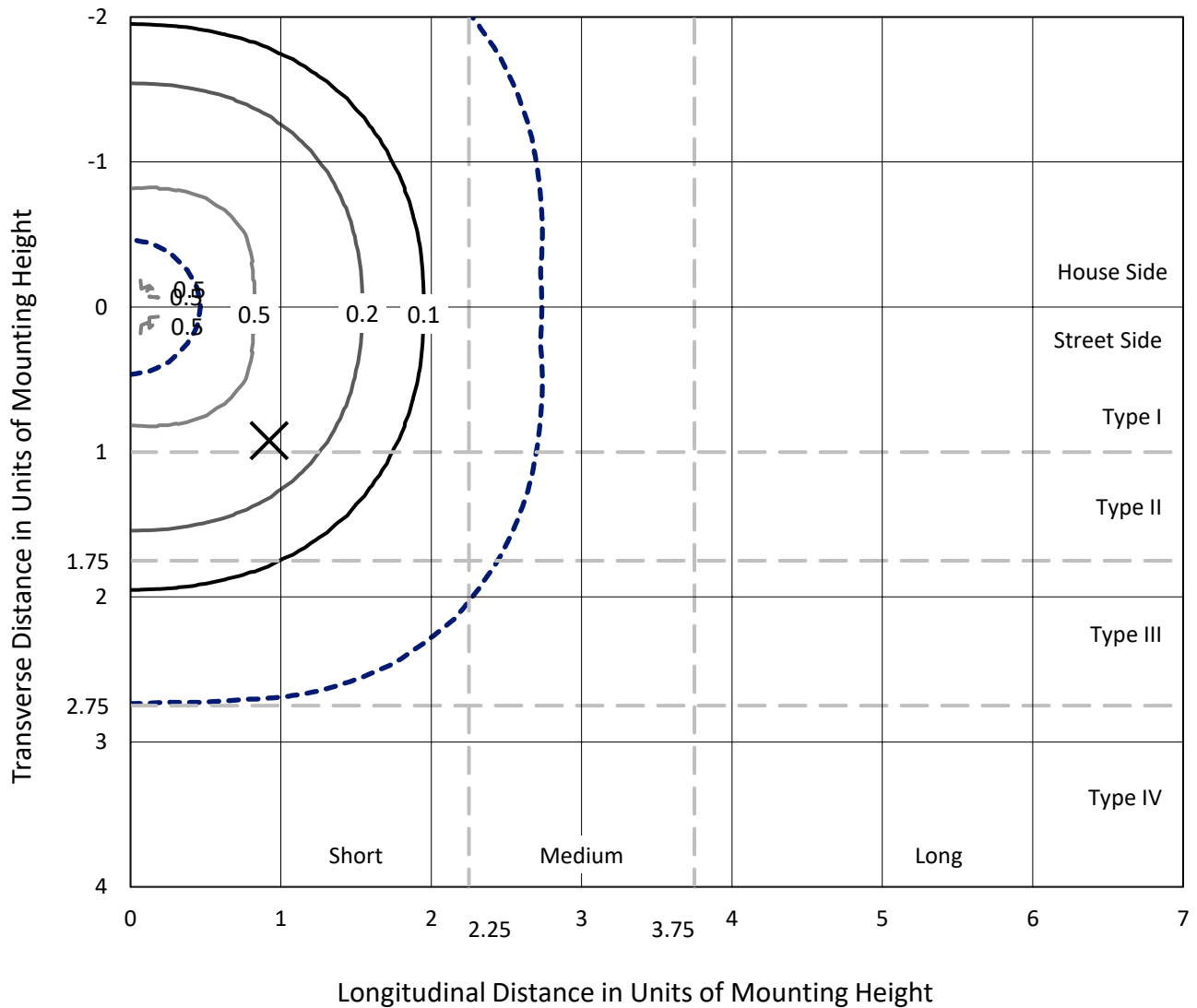
Lumens per Lamp: N/A  
Luminaire Lumens: 3129 lumens  
Efficiency: N/A  
Efficacy: 118.5 lumens/watt  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 26.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

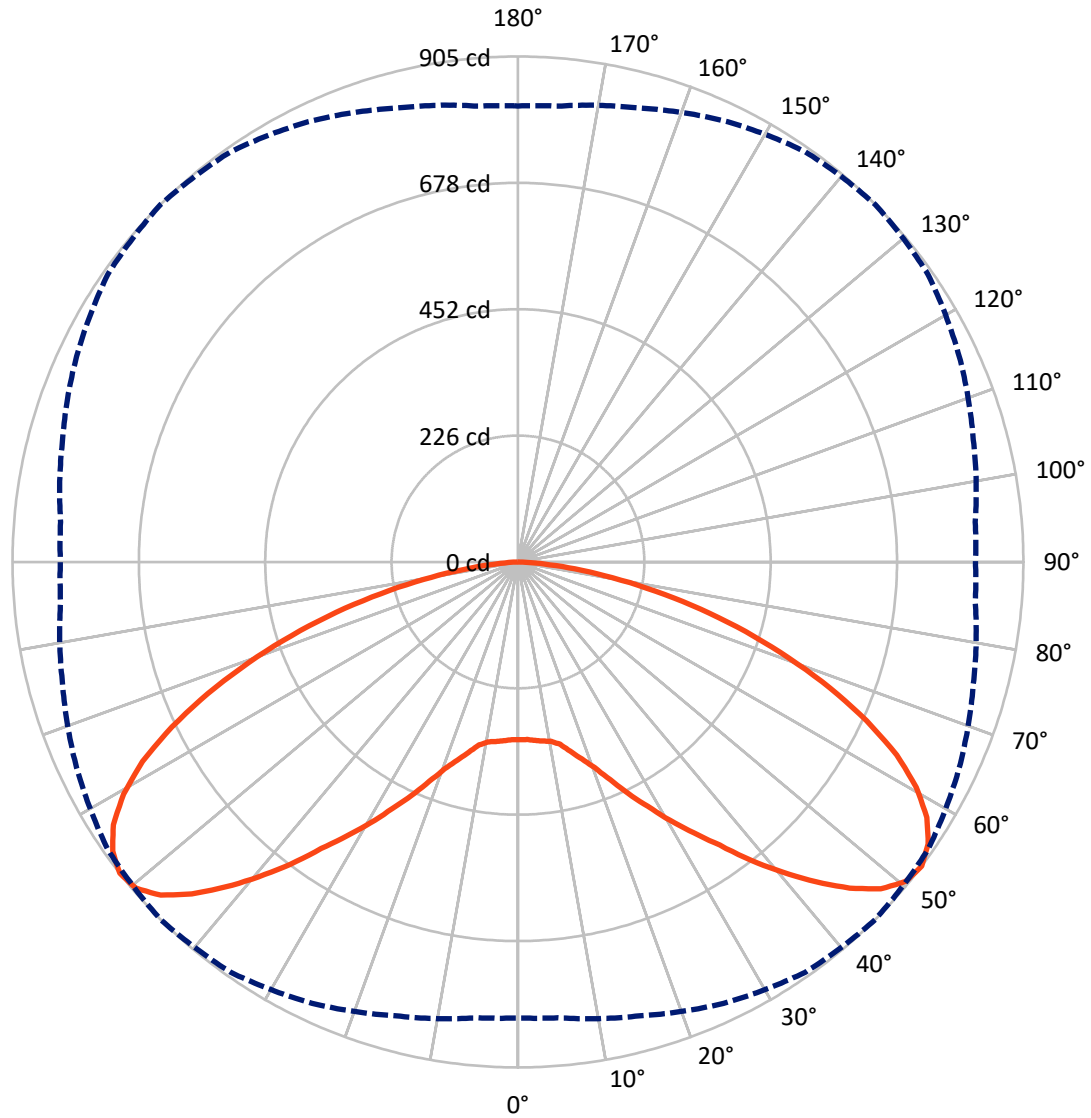
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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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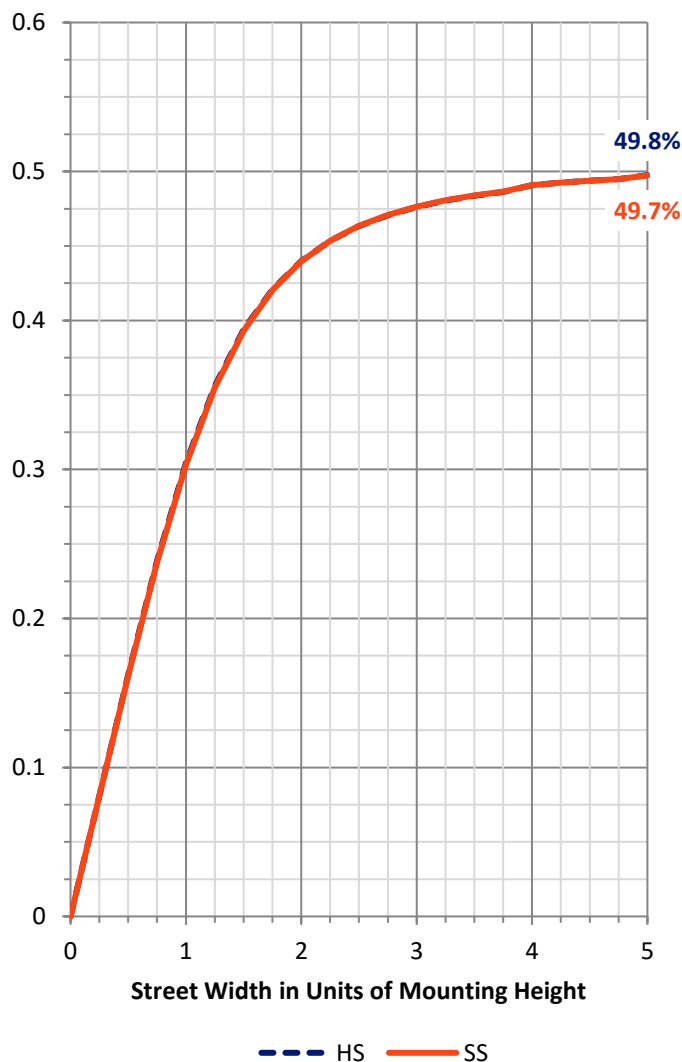
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1564.5	0.0	1564.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1564.5	0.0	1564.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3129.0	0.0	3129.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.7	1.0
10°-20°	101.0	3.2
20°-30°	213.1	6.8
30°-40°	389.3	12.4
40°-50°	619.7	19.8
50°-60°	749.3	23.9
60°-70°	630.1	20.1
70°-80°	334.0	10.7
80°-90°	61.8	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°	3129.0	100.0
0°-180°	3129.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P832570

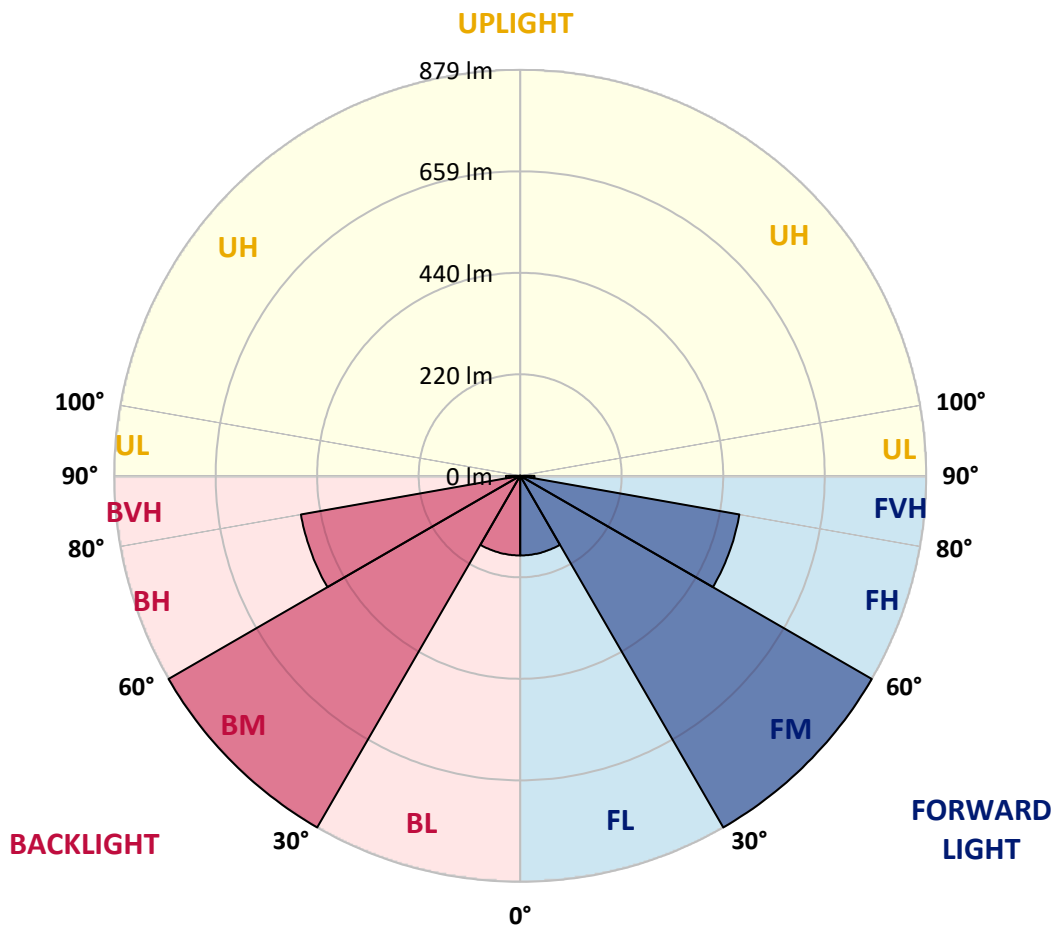
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	172.4	5.5			
FM (30°-60°)	879.2	28.1			
FH (60°-80°)	482.0	15.4			G0/660
FVH (80°-90°)	30.9	1.0			G1/100
BL (0°-30°)	172.4	5.5	B1/500		
BM (30°-60°)	879.2	28.1	B1/1000		
BH (60°-80°)	482.0	15.4	B1/500		G0/660
BVH (80°-90°)	30.9	1.0			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°	318.1	318.1	318.1	318.1	318.1	318.1	318.1	318.1	318.1	318.1	318.1
2.5°	318.1	318.1	318.1	318.1	318.1	318.1	318.1	318.1	318.1	318.1	318.1
5°	320.9	320.9	318.1	320.9	320.9	320.9	320.9	320.9	320.9	320.9	320.9
7.5°	320.9	320.9	320.9	323.6	323.6	323.6	323.6	320.9	320.9	320.9	320.9
10°	326.4	326.4	326.4	326.4	326.4	326.4	326.4	326.4	326.4	326.4	326.4
12.5°	334.7	334.7	334.7	334.7	334.7	334.7	334.7	334.7	334.7	334.7	334.7
15°	348.5	348.5	348.5	348.5	351.3	351.3	351.3	348.5	348.5	348.5	348.5
17.5°	365.1	365.1	367.9	367.9	370.7	370.7	370.7	367.9	365.1	367.9	365.1
20°	390.0	390.0	390.0	392.8	395.6	395.6	395.6	390.0	390.0	390.0	390.0
22.5°	417.7	417.7	417.7	420.5	423.2	423.2	423.2	417.7	417.7	417.7	417.7
25°	450.9	450.9	450.9	453.7	456.4	459.2	459.2	453.7	450.9	450.9	448.1
27.5°	484.1	484.1	489.6	492.4	495.2	495.2	495.2	489.6	486.9	486.9	486.9
30°	522.8	522.8	528.4	531.1	536.6	536.6	536.6	528.4	525.6	522.8	522.8
32.5°	558.8	561.5	567.1	572.6	578.1	578.1	580.9	569.8	564.3	561.5	561.5
35°	597.5	600.3	605.8	614.1	619.6	622.4	625.2	614.1	605.8	603.0	603.0
37.5°	641.8	644.5	652.8	661.1	672.2	677.7	680.5	663.9	650.1	644.5	644.5
40°	691.6	694.3	702.6	713.7	724.8	730.3	733.1	716.5	702.6	697.1	694.3
42.5°	733.1	738.6	746.9	763.5	774.5	782.8	782.8	763.5	746.9	738.6	738.6
45°	771.8	777.3	791.1	807.7	824.3	832.6	829.9	810.5	791.1	780.1	777.3
47.5°	802.2	807.7	824.3	843.7	865.8	874.1	871.4	849.2	824.3	810.5	807.7
50°	818.8	821.6	840.9	868.6	890.7	899.0	893.5	871.4	843.7	824.3	821.6
52.5°	816.0	818.8	840.9	871.4	896.3	904.6	896.3	871.4	843.7	821.6	818.8
55°	799.4	802.2	824.3	857.5	882.4	890.7	882.4	857.5	827.1	805.0	802.2
57.5°	769.0	771.8	793.9	827.1	854.8	863.1	852.0	824.3	793.9	771.8	771.8
60°	724.8	727.5	749.7	785.6	810.5	818.8	805.0	782.8	752.4	727.5	724.8
62.5°	666.7	666.7	691.6	727.5	749.7	760.7	746.9	722.0	694.3	666.7	669.4
65°	597.5	594.7	619.6	652.8	677.7	686.0	672.2	650.1	622.4	597.5	597.5
67.5°	525.6	525.6	544.9	572.6	594.7	603.0	589.2	569.8	547.7	525.6	525.6
70°	448.1	448.1	462.0	489.6	509.0	514.5	506.2	486.9	467.5	448.1	448.1
72.5°	370.7	367.9	381.7	403.9	420.5	426.0	417.7	406.6	384.5	370.7	370.7
75°	293.2	290.5	298.8	318.1	331.9	337.5	329.2	320.9	304.3	293.2	293.2
77.5°	218.5	215.8	224.1	240.7	249.0	251.7	246.2	240.7	226.8	218.5	218.5
80°	149.4	146.6	152.1	163.2	171.5	171.5	168.7	166.0	154.9	149.4	152.1
82.5°	88.5	85.8	91.3	99.6	105.1	102.4	102.4	99.6	91.3	88.5	88.5
85°	38.7	36.0	38.7	44.3	49.8	47.0	47.0	47.0	41.5	38.7	38.7
87.5°	5.5	5.5	5.5	8.3	11.1	8.3	8.3	8.3	5.5	5.5	5.5
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)