

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: P823330

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

Issue Date: 4/16/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P823330  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-254-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: TTN-D1-740-U-WQ  
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE  
4000K, 70 CRI LEDS AND WIDE DISTRIBUTION  
Light Source: -  
Ballast/Driver: -

**Summary**

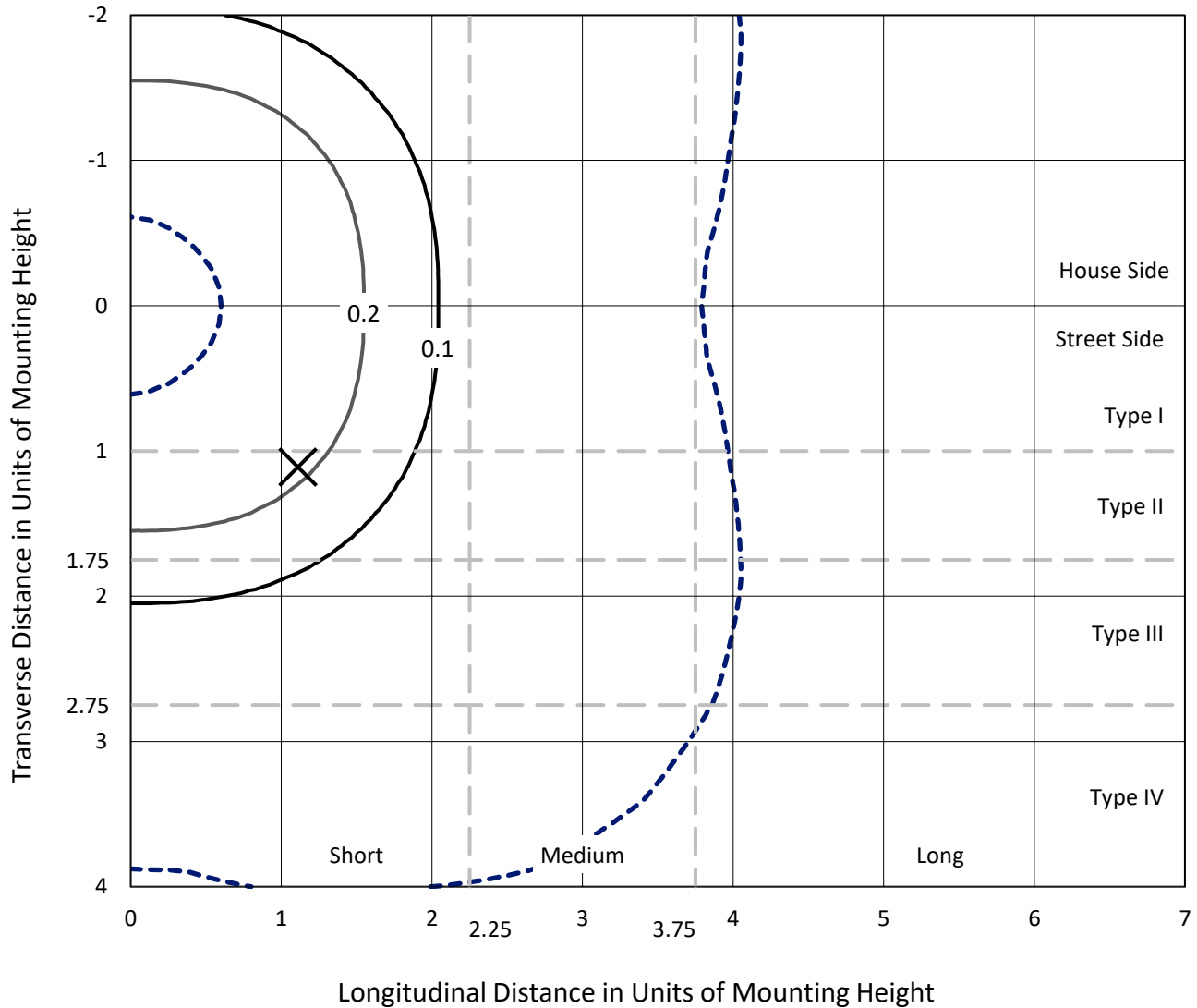
Lumens per Lamp: N/A  
Luminaire Lumens: 3361 lumens  
Efficiency: N/A  
Efficacy: 127.3 lumens/watt  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 26.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

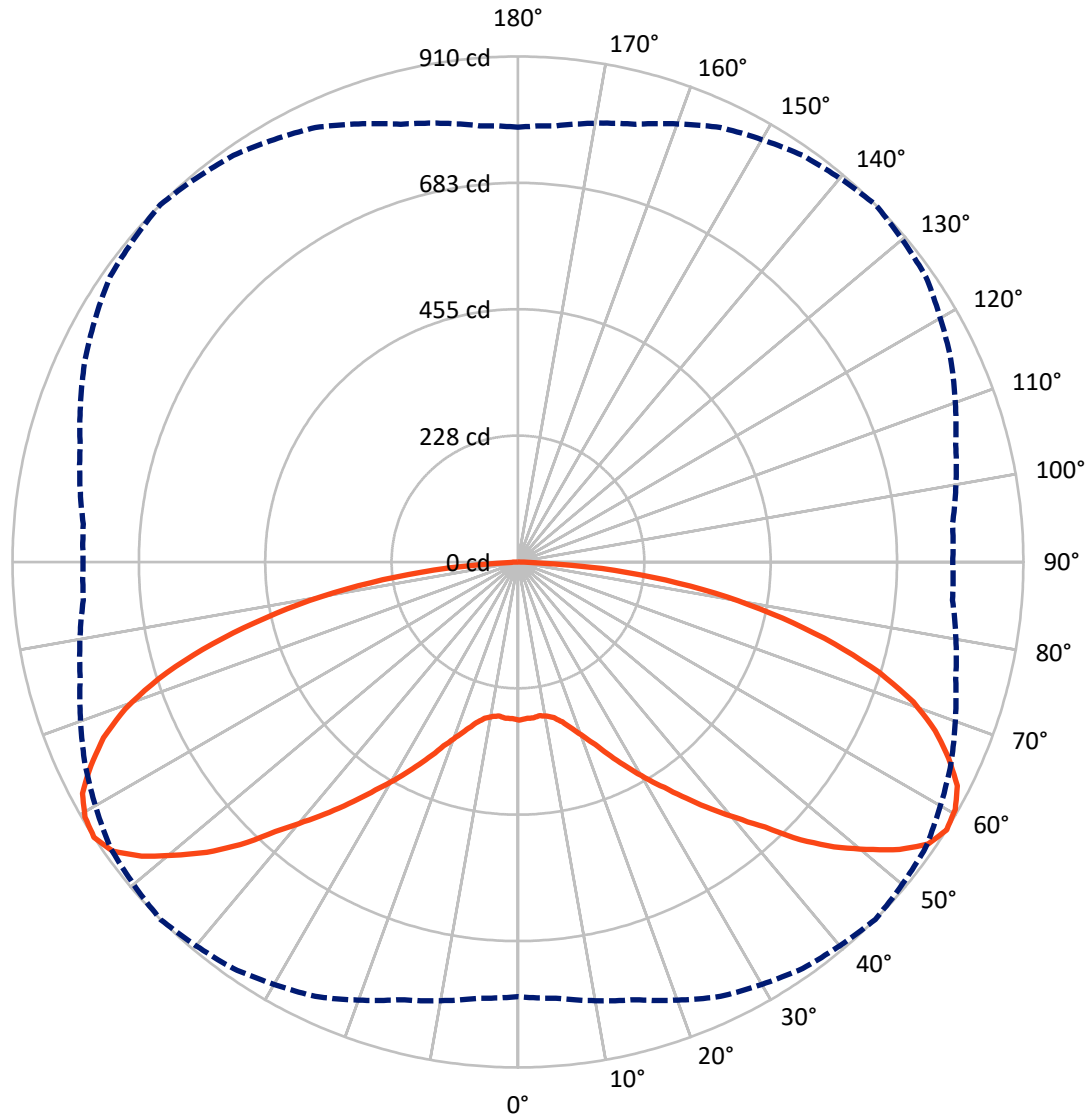
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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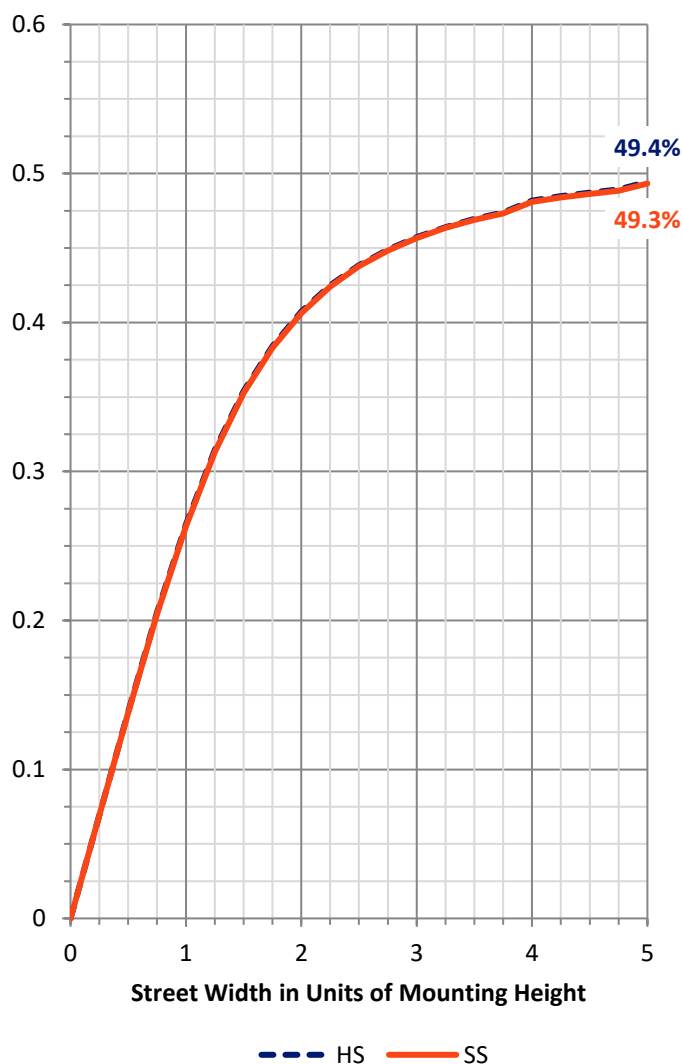
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1680.5	0.0	1680.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1680.5	0.0	1680.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3361.0	0.0	3361.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.8	0.8
10°-20°	85.5	2.5
20°-30°	179.3	5.3
30°-40°	325.3	9.7
40°-50°	530.3	15.8
50°-60°	742.2	22.1
60°-70°	774.9	23.1
70°-80°	553.6	16.5
80°-90°	143.2	4.3
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°	3361.0	100.0
0°-180°	3361.0	100.0

**Coefficient of Utilization**



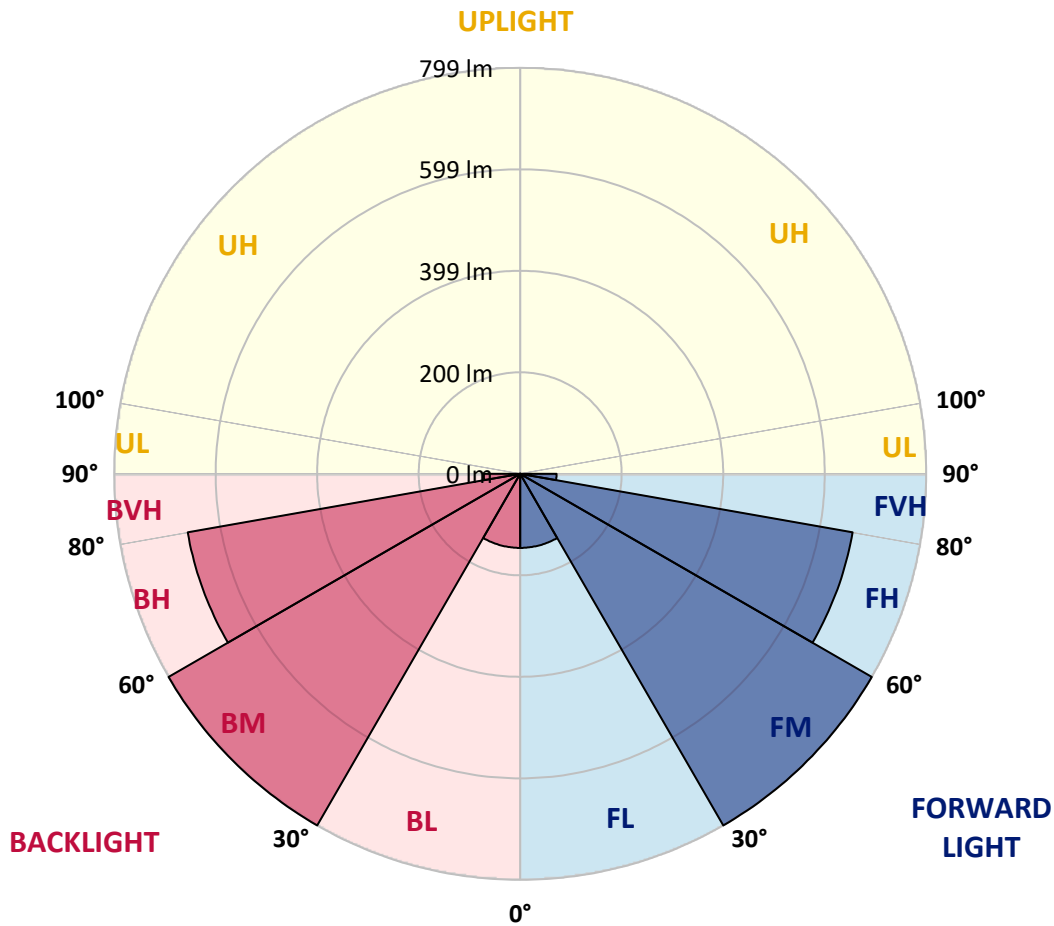
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	145.8	4.3			
FM (30°-60°)	798.9	23.8			
FH (60°-80°)	664.2	19.8			G1/1800
FVH (80°-90°)	71.6	2.1			G1/100
BL (0°-30°)	145.8	4.3	B1/500		
BM (30°-60°)	798.9	23.8	B1/1000		
BH (60°-80°)	664.2	19.8	B2/1000		G1/1800
BVH (80°-90°)	71.6	2.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	284.9	284.9	284.9	284.9	284.9	284.9	284.9	284.9	284.9	284.9	284.9
2.5°	282.1	282.1	282.1	282.1	282.1	282.1	282.1	282.1	282.1	282.1	282.1
5°	282.1	282.1	282.1	282.1	282.1	282.1	282.1	282.1	282.1	282.1	282.1
7.5°	276.6	276.6	279.4	279.4	279.4	279.4	279.4	279.4	279.4	279.4	279.4
10°	276.6	276.6	279.4	279.4	282.1	282.1	282.1	279.4	279.4	276.6	276.6
12.5°	282.1	282.1	282.1	284.9	287.7	287.7	287.7	284.9	284.9	282.1	282.1
15°	290.4	293.2	293.2	296.0	298.7	298.7	298.7	296.0	296.0	293.2	293.2
17.5°	307.0	307.0	307.0	309.8	312.6	315.3	315.3	309.8	309.8	307.0	309.8
20°	323.6	326.4	326.4	329.1	331.9	334.7	331.9	329.1	326.4	326.4	326.4
22.5°	348.5	348.5	351.3	351.3	356.8	356.8	356.8	351.3	351.3	351.3	351.3
25°	376.2	376.2	378.9	381.7	387.2	387.2	384.5	378.9	378.9	378.9	381.7
27.5°	409.4	409.4	412.1	412.1	417.7	417.7	414.9	412.1	412.1	412.1	414.9
30°	439.8	439.8	445.3	448.1	450.8	450.8	450.8	445.3	445.3	442.5	442.5
32.5°	467.4	470.2	473.0	481.3	486.8	484.0	486.8	481.3	475.7	473.0	473.0
35°	497.9	500.6	506.2	514.5	522.8	522.8	522.8	514.5	508.9	503.4	506.2
37.5°	533.8	533.8	542.1	550.4	561.5	564.2	561.5	553.2	544.9	539.4	539.4
40°	572.5	572.5	580.8	589.1	603.0	605.7	603.0	591.9	580.8	578.1	578.1
42.5°	611.3	611.3	622.3	630.6	647.2	652.8	647.2	633.4	622.3	614.0	616.8
45°	652.8	655.5	669.4	686.0	705.3	713.6	705.3	688.7	672.1	655.5	655.5
47.5°	699.8	699.8	716.4	735.7	757.9	766.2	755.1	738.5	716.4	702.5	702.5
50°	730.2	733.0	755.1	780.0	807.7	813.2	804.9	780.0	755.1	735.7	733.0
52.5°	760.6	763.4	788.3	824.2	851.9	860.2	849.1	824.2	788.3	763.4	763.4
55°	780.0	785.5	813.2	851.9	882.3	896.2	879.6	851.9	810.4	782.8	780.0
57.5°	782.8	788.3	815.9	863.0	893.4	910.0	896.2	860.2	815.9	785.5	782.8
60°	777.2	780.0	807.7	857.4	893.4	904.5	893.4	854.7	804.9	780.0	774.5
62.5°	763.4	768.9	796.6	838.1	879.6	887.9	876.8	835.3	793.8	763.4	757.9
65°	719.1	724.7	766.2	807.7	843.6	851.9	843.6	807.7	763.4	719.1	713.6
67.5°	669.4	672.1	713.6	763.4	796.6	810.4	796.6	766.2	710.8	669.4	663.8
70°	616.8	619.6	652.8	705.3	738.5	755.1	741.3	708.1	650.0	614.0	611.3
72.5°	556.0	556.0	589.1	630.6	663.8	680.4	669.4	627.9	583.6	547.7	542.1
75°	473.0	475.7	511.7	542.1	578.1	589.1	578.1	544.9	503.4	467.4	461.9
77.5°	387.2	390.0	420.4	445.3	478.5	486.8	478.5	450.8	412.1	381.7	378.9
80°	293.2	296.0	320.8	343.0	370.6	381.7	373.4	345.7	315.3	287.7	279.4
82.5°	190.8	193.6	218.5	235.1	260.0	268.3	262.8	237.9	213.0	185.3	182.6
85°	85.7	88.5	110.6	124.5	143.8	152.1	146.6	124.5	105.1	80.2	74.7
87.5°	8.3	8.3	8.3	8.3	8.3	11.1	11.1	8.3	8.3	8.3	8.3
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)