

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: P823446

Luminaire Tested: **TTN-D3-740-U-CQ**

Issue Date: 4/16/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P823446  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-254-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: TTN-D3-740-U-CQ  
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE  
4000K, 70 CRI LEDS AND CONCENTRATED DISTRIBUTION  
Light Source: -  
Ballast/Driver: -

**Summary**

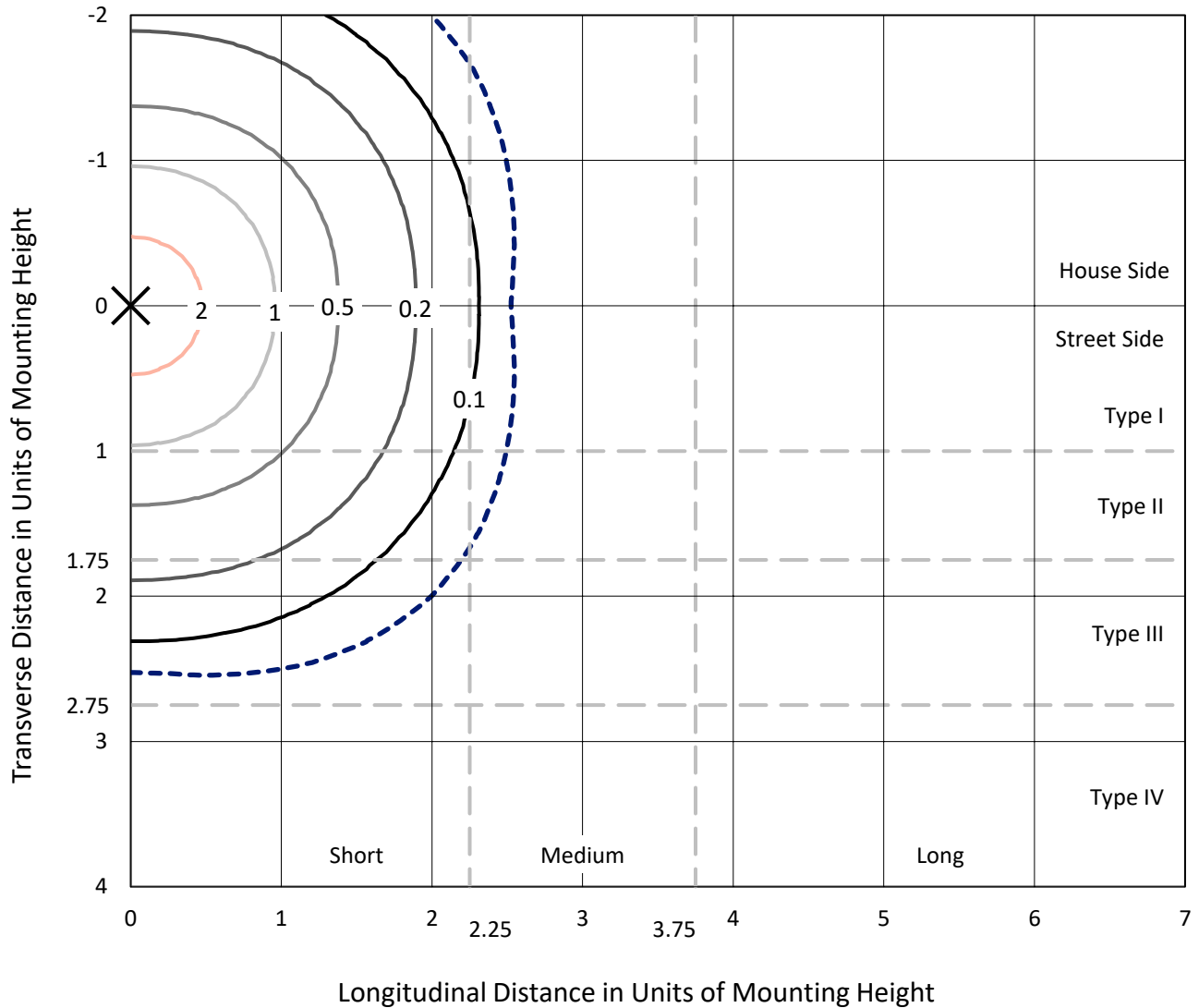
Lumens per Lamp: N/A  
Luminaire Lumens: 7076 lumens  
Efficiency: N/A  
Efficacy: 119.5 lumens/watt  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 59.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

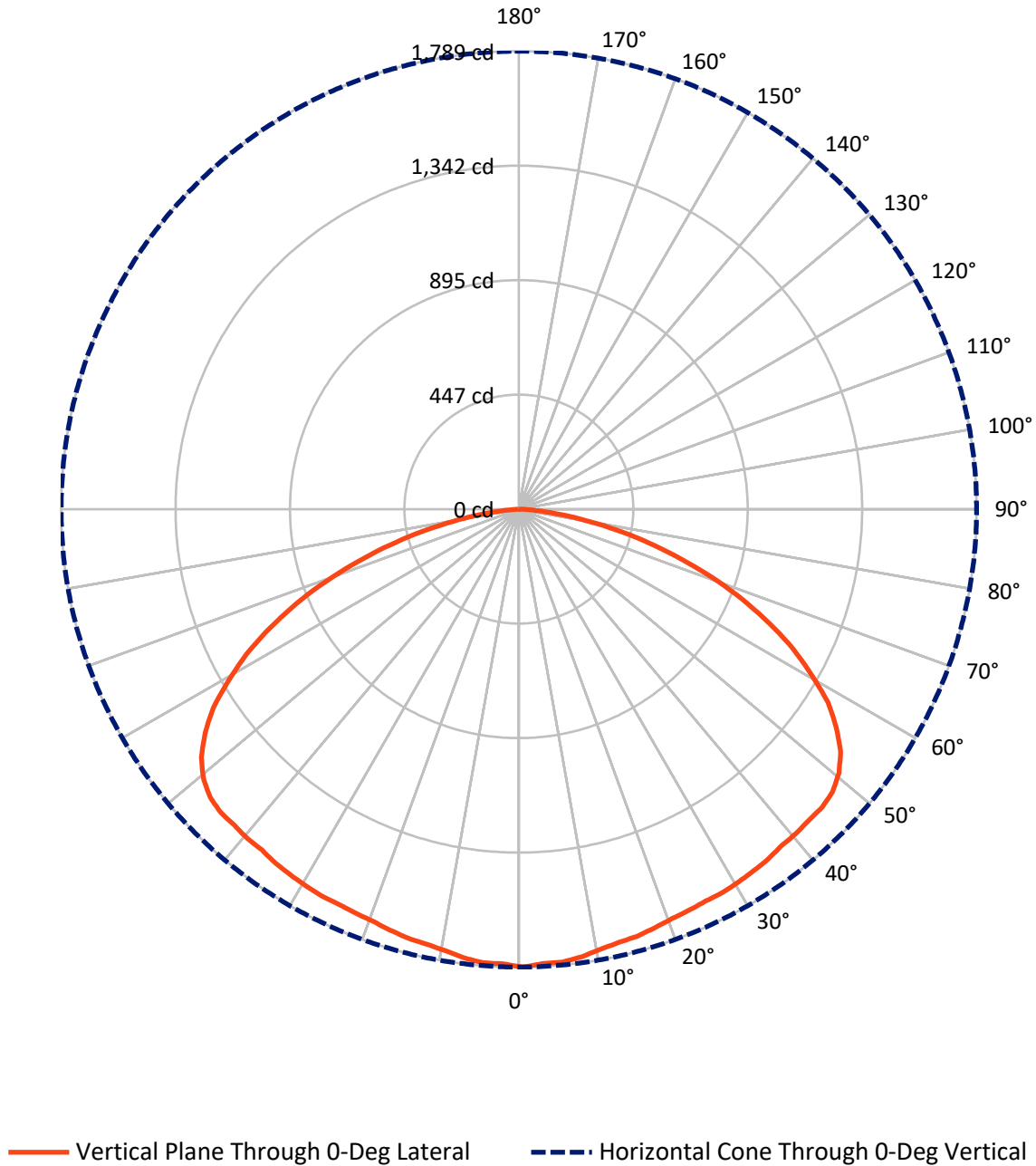
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot





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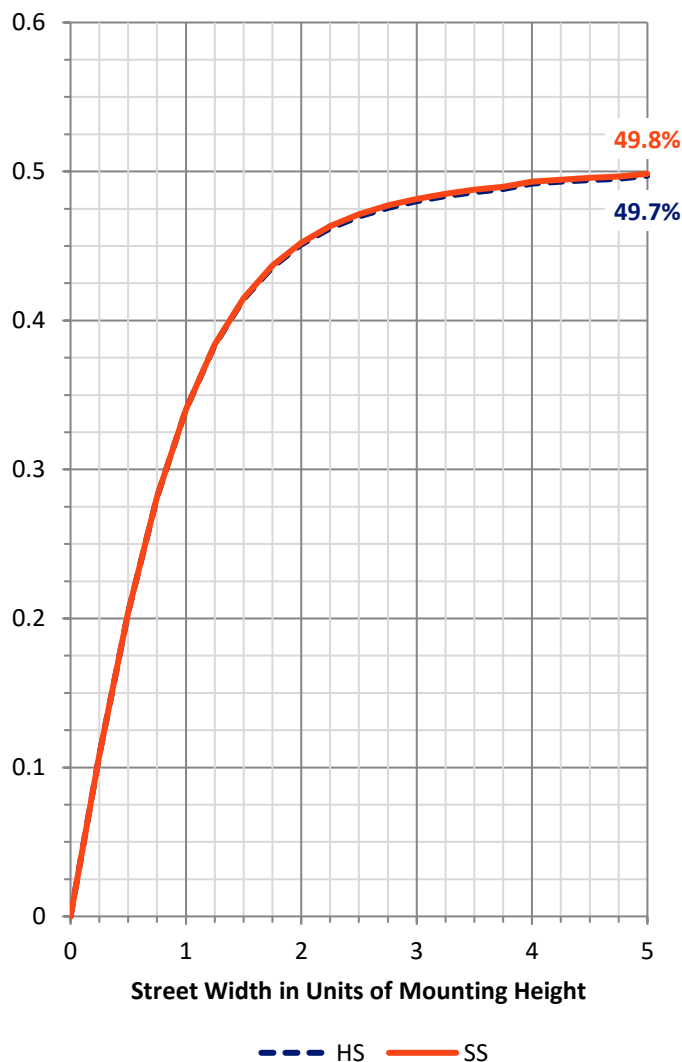
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3538.0	0.0	3538.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3538.0	0.0	3538.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7076.0	0.0	7076.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	168.7	2.4
10°-20°	489.9	6.9
20°-30°	788.8	11.1
30°-40°	1061.0	15.0
40°-50°	1309.0	18.5
50°-60°	1404.4	19.8
60°-70°	1138.9	16.1
70°-80°	603.6	8.5
80°-90°	111.6	1.6
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°	7076.0	100.0
0°-180°	7076.0	100.0

**Coefficient of Utilization**



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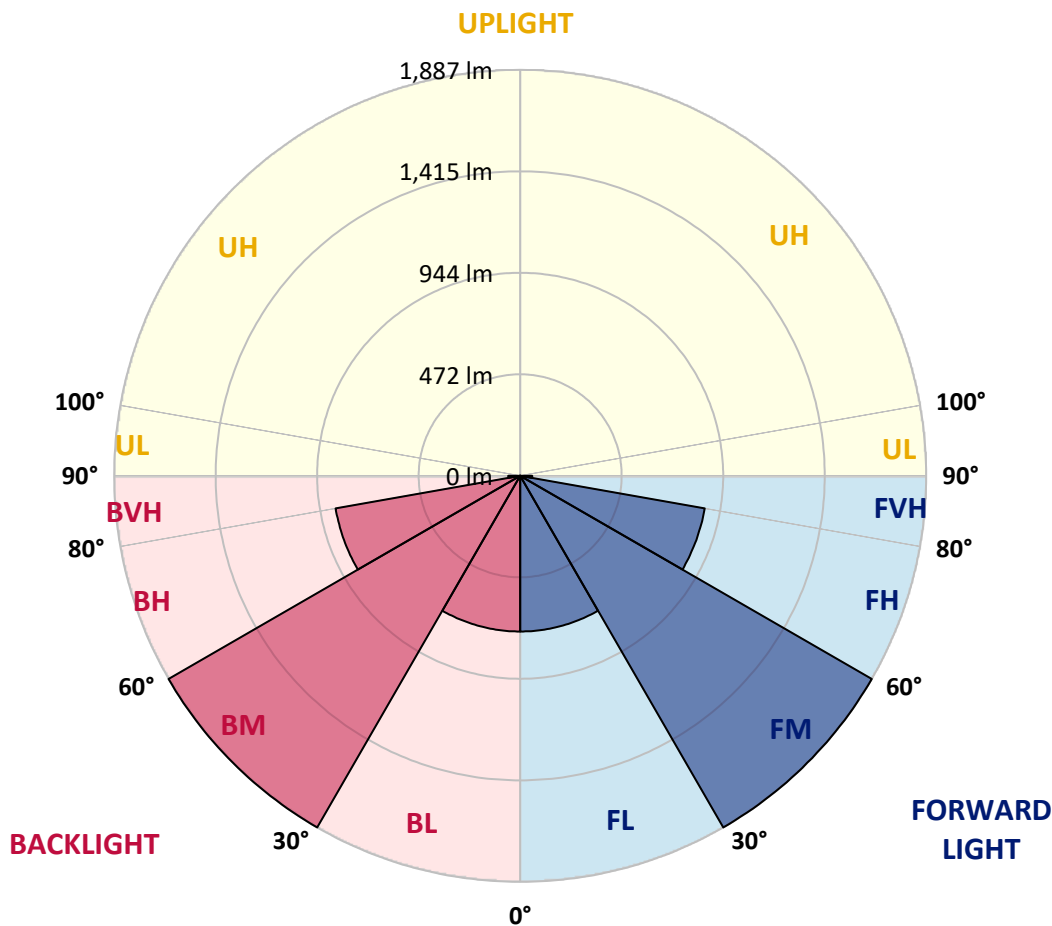
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	723.7	10.2			
FM (30°-60°)	1887.2	26.7			
FH (60°-80°)	871.3	12.3			G1/1800
FVH (80°-90°)	55.8	0.8			G1/100
BL (0°-30°)	723.7	10.2	B2/1000		
BM (30°-60°)	1887.2	26.7	B2/2500		
BH (60°-80°)	871.3	12.3	B2/1000		G1/1800
BVH (80°-90°)	55.8	0.8			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°	1789.3	1789.3	1789.3	1789.3	1789.3	1789.3	1789.3	1789.3	1789.3	1789.3	1789.3
2.5°	1777.7	1777.7	1777.7	1777.7	1777.7	1777.7	1777.7	1777.7	1777.7	1777.7	1783.5
5°	1777.7	1777.7	1777.7	1777.7	1771.9	1777.7	1777.7	1777.7	1777.7	1777.7	1777.7
7.5°	1766.1	1766.1	1766.1	1766.1	1766.1	1766.1	1766.1	1766.1	1766.1	1766.1	1766.1
10°	1748.7	1748.7	1748.7	1748.7	1748.7	1748.7	1748.7	1748.7	1748.7	1748.7	1748.7
12.5°	1737.2	1737.2	1737.2	1737.2	1737.2	1737.2	1737.2	1737.2	1737.2	1737.2	1737.2
15°	1731.4	1731.4	1731.4	1731.4	1731.4	1731.4	1731.4	1731.4	1731.4	1725.6	1725.6
17.5°	1719.8	1719.8	1719.8	1719.8	1725.6	1725.6	1725.6	1719.8	1719.8	1719.8	1719.8
20°	1708.2	1708.2	1708.2	1714.0	1714.0	1714.0	1714.0	1714.0	1708.2	1708.2	1708.2
22.5°	1702.4	1702.4	1702.4	1702.4	1708.2	1708.2	1708.2	1708.2	1702.4	1702.4	1702.4
25°	1696.6	1696.6	1702.4	1702.4	1708.2	1708.2	1708.2	1702.4	1702.4	1696.6	1696.6
27.5°	1696.6	1696.6	1702.4	1702.4	1708.2	1708.2	1708.2	1708.2	1702.4	1696.6	1696.6
30°	1690.8	1696.6	1696.6	1702.4	1708.2	1708.2	1708.2	1702.4	1696.6	1690.8	1690.8
32.5°	1685.0	1685.0	1690.8	1696.6	1702.4	1702.4	1702.4	1696.6	1690.8	1685.0	1679.2
35°	1679.2	1679.2	1679.2	1690.8	1696.6	1696.6	1696.6	1690.8	1679.2	1673.5	1673.5
37.5°	1667.7	1673.5	1679.2	1685.0	1696.6	1696.6	1696.6	1685.0	1673.5	1667.7	1661.9
40°	1667.7	1667.7	1679.2	1685.0	1702.4	1702.4	1696.6	1685.0	1673.5	1661.9	1656.1
42.5°	1661.9	1667.7	1679.2	1696.6	1714.0	1714.0	1708.2	1690.8	1673.5	1661.9	1656.1
45°	1661.9	1661.9	1679.2	1702.4	1725.6	1731.4	1719.8	1702.4	1679.2	1656.1	1656.1
47.5°	1650.3	1650.3	1673.5	1702.4	1731.4	1737.2	1731.4	1702.4	1673.5	1656.1	1650.3
50°	1621.3	1621.3	1650.3	1685.0	1719.8	1731.4	1719.8	1696.6	1656.1	1632.9	1627.1
52.5°	1575.0	1575.0	1604.0	1650.3	1685.0	1702.4	1690.8	1661.9	1621.3	1586.6	1580.8
55°	1505.5	1511.3	1540.3	1592.4	1632.9	1650.3	1638.7	1604.0	1557.6	1522.9	1511.3
57.5°	1424.5	1424.5	1465.0	1517.1	1557.6	1575.0	1563.4	1528.7	1476.6	1441.8	1430.3
60°	1314.4	1320.2	1355.0	1424.5	1465.0	1482.4	1470.8	1430.3	1372.4	1331.8	1320.2
62.5°	1204.4	1210.2	1245.0	1302.9	1349.2	1360.8	1349.2	1308.7	1256.5	1216.0	1204.4
65°	1077.0	1082.8	1123.4	1175.5	1210.2	1227.6	1210.2	1175.5	1129.1	1088.6	1082.8
67.5°	943.9	949.6	990.2	1036.5	1071.2	1082.8	1065.5	1036.5	990.2	955.4	943.9
70°	804.9	810.7	845.4	885.9	914.9	926.5	914.9	880.2	845.4	810.7	804.9
72.5°	660.1	665.9	700.7	735.4	758.6	770.1	752.8	729.6	694.9	665.9	660.1
75°	521.1	521.1	550.1	579.1	602.2	608.0	596.4	579.1	550.1	526.9	515.4
77.5°	388.0	388.0	416.9	434.3	445.9	457.5	445.9	428.5	411.1	388.0	388.0
80°	260.6	260.6	283.7	295.3	306.9	312.7	306.9	295.3	283.7	266.4	260.6
82.5°	156.3	156.3	167.9	179.5	179.5	185.3	185.3	179.5	167.9	156.3	156.3
85°	69.5	63.7	75.3	81.1	81.1	86.9	86.9	81.1	75.3	69.5	69.5
87.5°	5.8	11.6	11.6	17.4	17.4	17.4	17.4	17.4	11.6	11.6	11.6
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)