

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: P823469

Luminaire Tested: **TTN-D3-830-U-RW**

Issue Date: 4/16/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P823469  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-254-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: TTN-D3-830-U-RW  
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE  
3000K, 80 CRI LEDS AND RECTANGULAR DISTRIBUTION  
Light Source: -  
Ballast/Driver: -

**Summary**

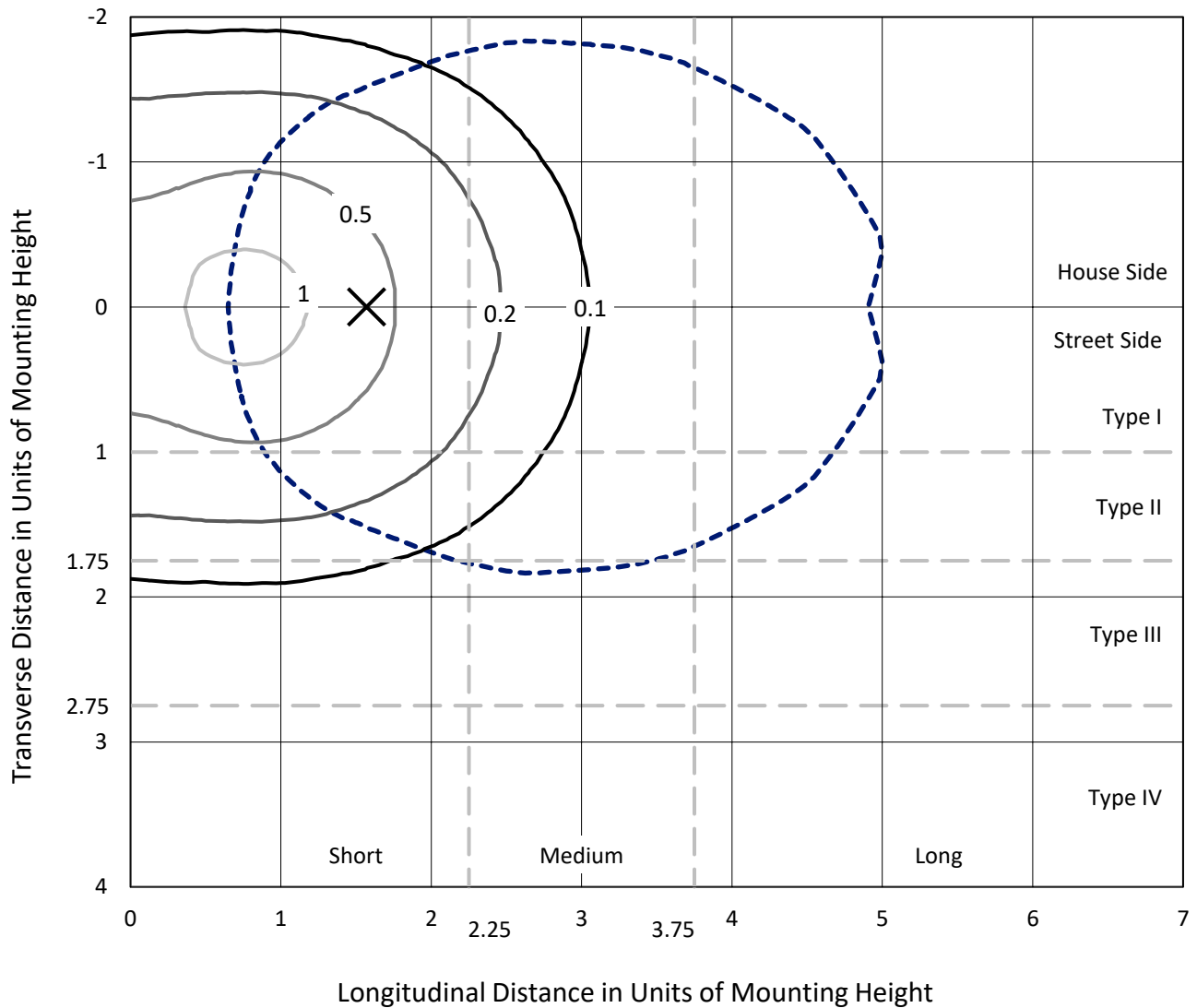
Lumens per Lamp: N/A  
Luminaire Lumens: 6148 lumens  
Efficiency: N/A  
Efficacy: 103.9 lumens/watt  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 59.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

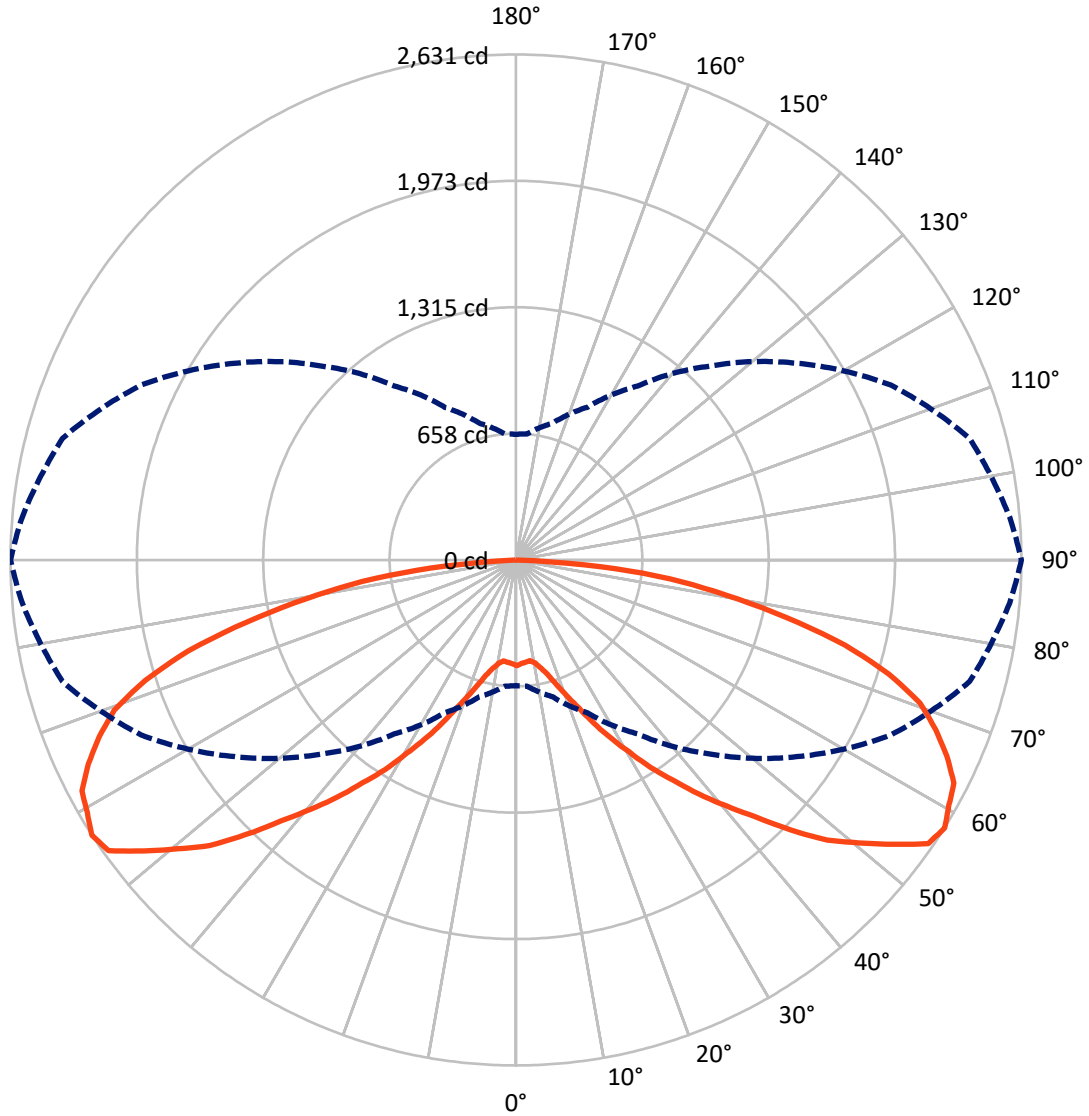
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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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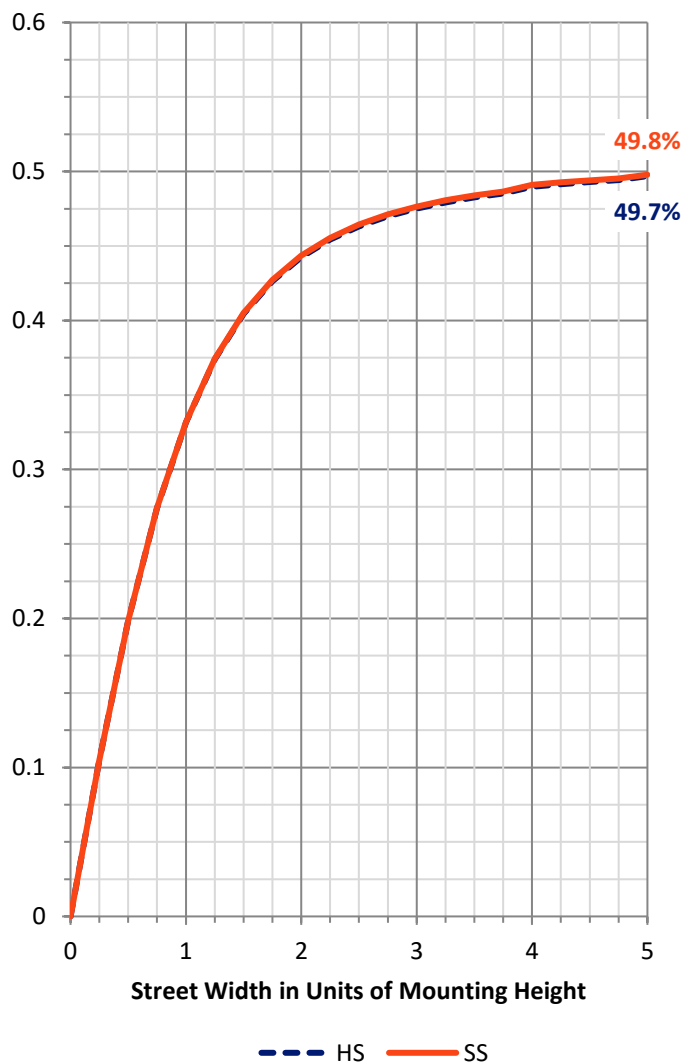
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3074.0	0.0	3074.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3074.0	0.0	3074.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6148.0	0.0	6148.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.6	0.8
10°-20°	164.9	2.7
20°-30°	344.0	5.6
30°-40°	616.9	10.0
40°-50°	985.8	16.0
50°-60°	1349.5	22.0
60°-70°	1392.0	22.6
70°-80°	989.9	16.1
80°-90°	253.4	4.1
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°	6148.0	100.0
0°-180°	6148.0	100.0

**Coefficient of Utilization**



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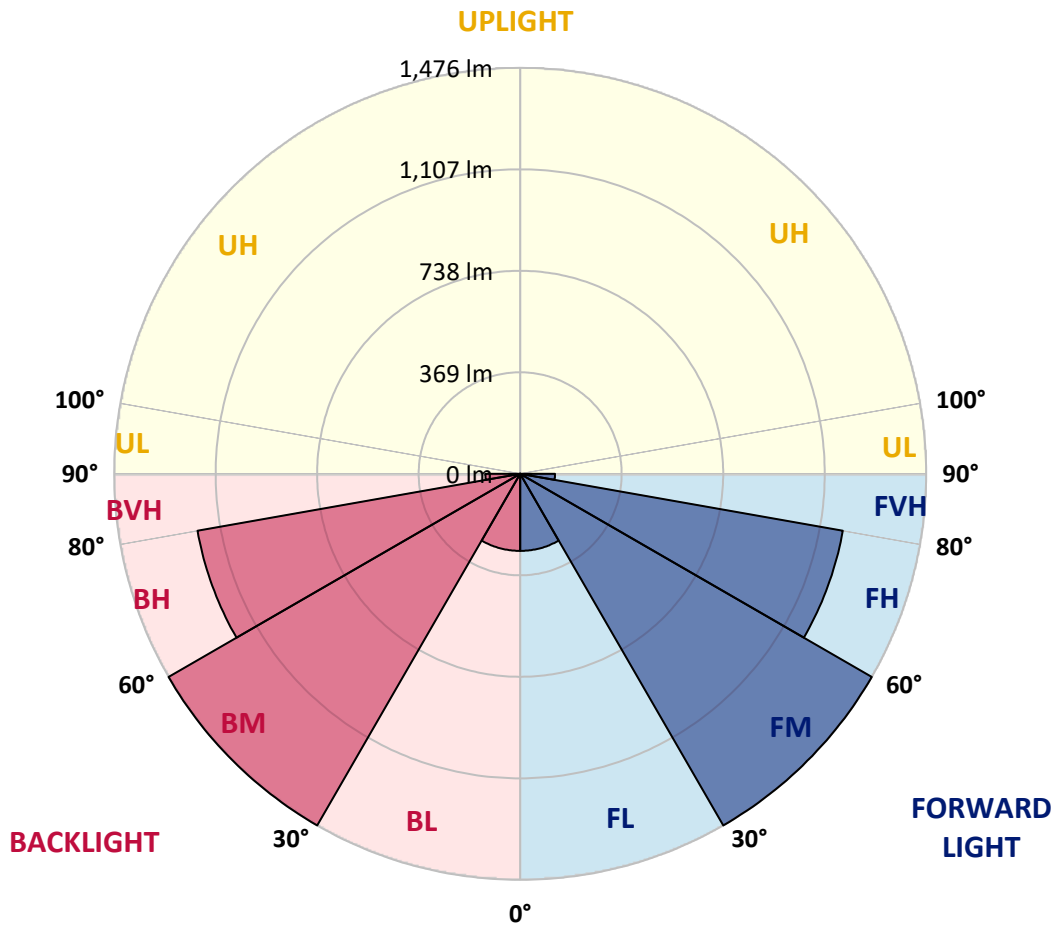
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	280.2	4.6			
FM (30°-60°)	1476.1	24.0			
FH (60°-80°)	1191.0	19.4			G1/1800
FVH (80°-90°)	126.7	2.1			G2/225
BL (0°-30°)	280.2	4.6	B1/500		
BM (30°-60°)	1476.1	24.0	B2/2500		
BH (60°-80°)	1191.0	19.4	B3/2500		G3/2500
BVH (80°-90°)	126.7	2.1			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	550.0	550.0	550.0	550.0	550.0	550.0	550.0	550.0	550.0	550.0	550.0
2.5°	550.0	550.0	544.8	544.8	544.8	539.6	539.6	539.6	539.6	534.4	539.6
5°	550.0	550.0	550.0	550.0	544.8	539.6	539.6	539.6	534.4	534.4	534.4
7.5°	544.8	544.8	544.8	544.8	539.6	534.4	534.4	534.4	529.2	529.2	529.2
10°	539.6	544.8	539.6	539.6	534.4	534.4	539.6	539.6	544.8	544.8	544.8
12.5°	534.4	534.4	534.4	539.6	539.6	544.8	555.2	565.5	570.7	575.9	575.9
15°	534.4	534.4	539.6	544.8	555.2	565.5	581.1	596.7	607.0	617.4	617.4
17.5°	534.4	534.4	539.6	555.2	570.7	591.5	617.4	638.2	658.9	674.5	679.7
20°	534.4	534.4	544.8	565.5	596.7	627.8	664.1	695.2	726.4	752.3	752.3
22.5°	539.6	544.8	555.2	581.1	627.8	674.5	721.2	767.9	804.2	835.3	835.3
25°	550.0	550.0	565.5	607.0	664.1	726.4	793.8	850.9	897.6	939.1	939.1
27.5°	555.2	560.3	581.1	633.0	705.6	783.4	876.8	944.3	1006.5	1042.9	1048.0
30°	565.5	570.7	601.8	653.7	741.9	840.5	949.5	1042.9	1110.3	1146.6	1157.0
32.5°	570.7	575.9	617.4	679.7	778.2	892.4	1016.9	1136.2	1229.6	1271.1	1286.7
35°	586.3	591.5	633.0	705.6	819.8	949.5	1094.7	1234.8	1343.8	1395.7	1406.0
37.5°	601.8	607.0	648.5	731.6	861.3	1011.7	1177.8	1338.6	1463.1	1525.4	1546.1
40°	612.2	617.4	664.1	762.7	908.0	1079.2	1271.1	1447.5	1587.6	1665.5	1681.0
42.5°	627.8	633.0	684.9	788.6	949.5	1146.6	1369.7	1566.9	1717.3	1805.5	1826.3
45°	643.4	648.5	705.6	819.8	996.2	1219.3	1468.3	1707.0	1878.2	1981.9	2002.7
47.5°	658.9	664.1	726.4	850.9	1042.9	1291.9	1572.1	1831.5	2039.0	2137.6	2179.1
50°	664.1	674.5	736.7	871.6	1074.0	1354.2	1660.3	1956.0	2173.9	2303.6	2314.0
52.5°	669.3	679.7	747.1	887.2	1099.9	1400.8	1732.9	2059.8	2314.0	2469.6	2459.3
55°	674.5	674.5	747.1	887.2	1110.3	1432.0	1784.8	2127.2	2407.4	2531.9	2604.5
57.5°	653.7	658.9	736.7	876.8	1105.1	1426.8	1784.8	2153.2	2443.7	2578.6	2630.5
60°	627.8	638.2	710.8	850.9	1084.4	1411.2	1774.4	2142.8	2459.3	2604.5	2589.0
62.5°	591.5	612.2	674.5	814.6	1053.2	1374.9	1758.8	2116.8	2422.9	2573.4	2557.8
65°	550.0	570.7	627.8	778.2	985.8	1286.7	1675.8	2065.0	2324.4	2495.6	2464.5
67.5°	508.5	524.0	581.1	716.0	908.0	1193.3	1566.9	1950.8	2184.3	2371.1	2355.5
70°	461.8	466.9	524.0	643.4	830.1	1099.9	1463.1	1790.0	2059.8	2199.9	2231.0
72.5°	404.7	404.7	461.8	565.5	736.7	975.4	1323.0	1608.4	1862.6	1981.9	2028.6
75°	332.1	337.2	383.9	477.3	617.4	835.3	1125.9	1416.4	1629.1	1753.7	1769.2
77.5°	259.4	264.6	300.9	378.7	498.1	674.5	928.7	1157.0	1359.3	1468.3	1437.2
80°	186.8	192.0	217.9	275.0	368.4	503.3	716.0	918.3	1063.6	1151.8	1110.3
82.5°	114.1	119.3	134.9	171.2	233.5	326.9	487.7	638.2	752.3	824.9	809.4
85°	57.1	57.1	67.4	77.8	98.6	145.3	233.5	321.7	409.9	461.8	446.2
87.5°	10.4	15.6	15.6	15.6	15.6	10.4	15.6	15.6	15.6	25.9	10.4
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)