

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: P832684

Luminaire Tested: **TTN-D3-735-U-WQ-CG**

Issue Date: 5/14/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P832684  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-254-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/14/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: TTN-D3-735-U-WQ-CG  
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE  
3500K, 70 CRI LEDS AND WIDE DISTRIBUTION WITH CLEAR GLASS  
Light Source: -  
Ballast/Driver: -

**Summary**

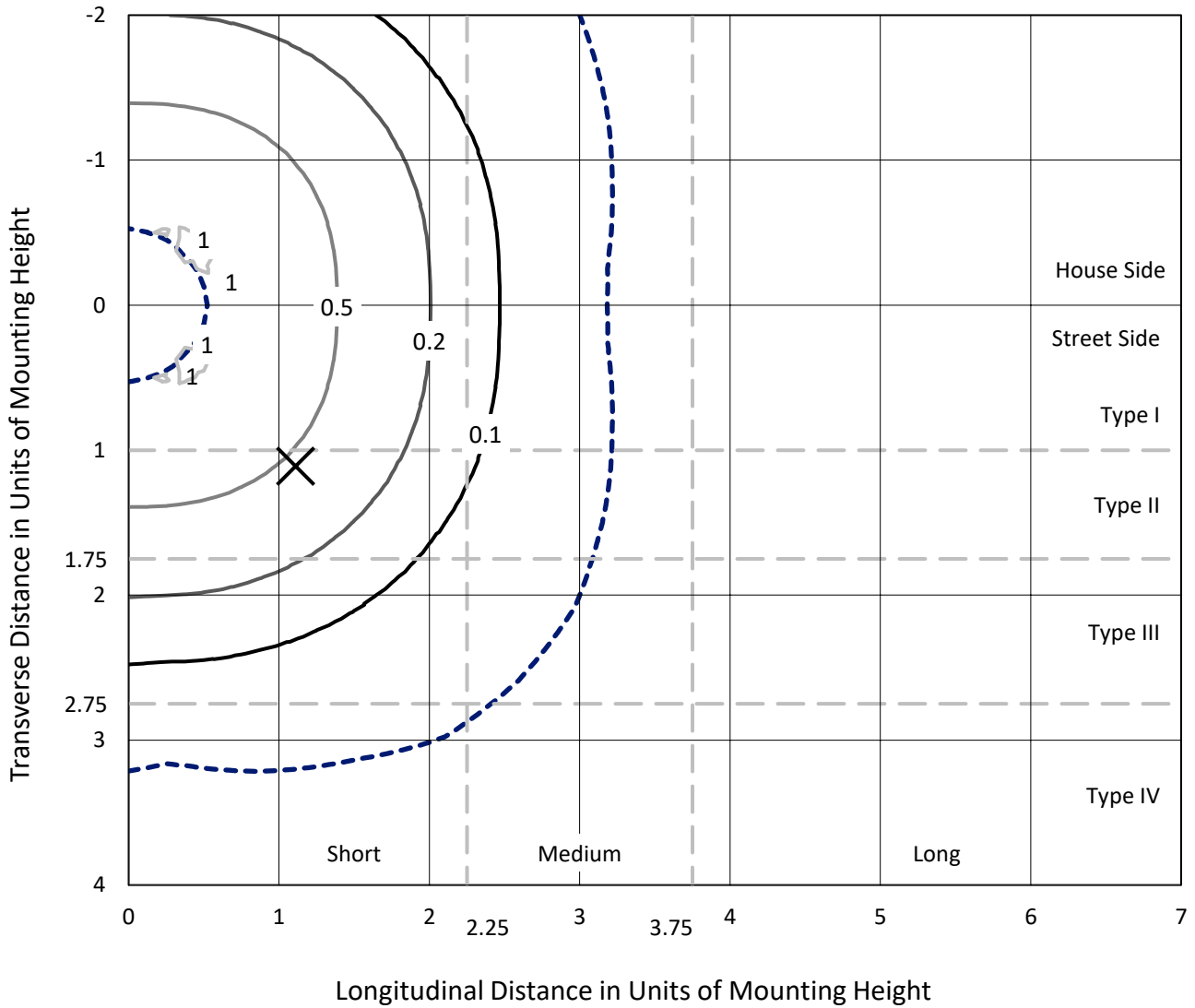
Lumens per Lamp: N/A  
Luminaire Lumens: 6334 lumens  
Efficiency: N/A  
Efficacy: 107.0 lumens/watt  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 59.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

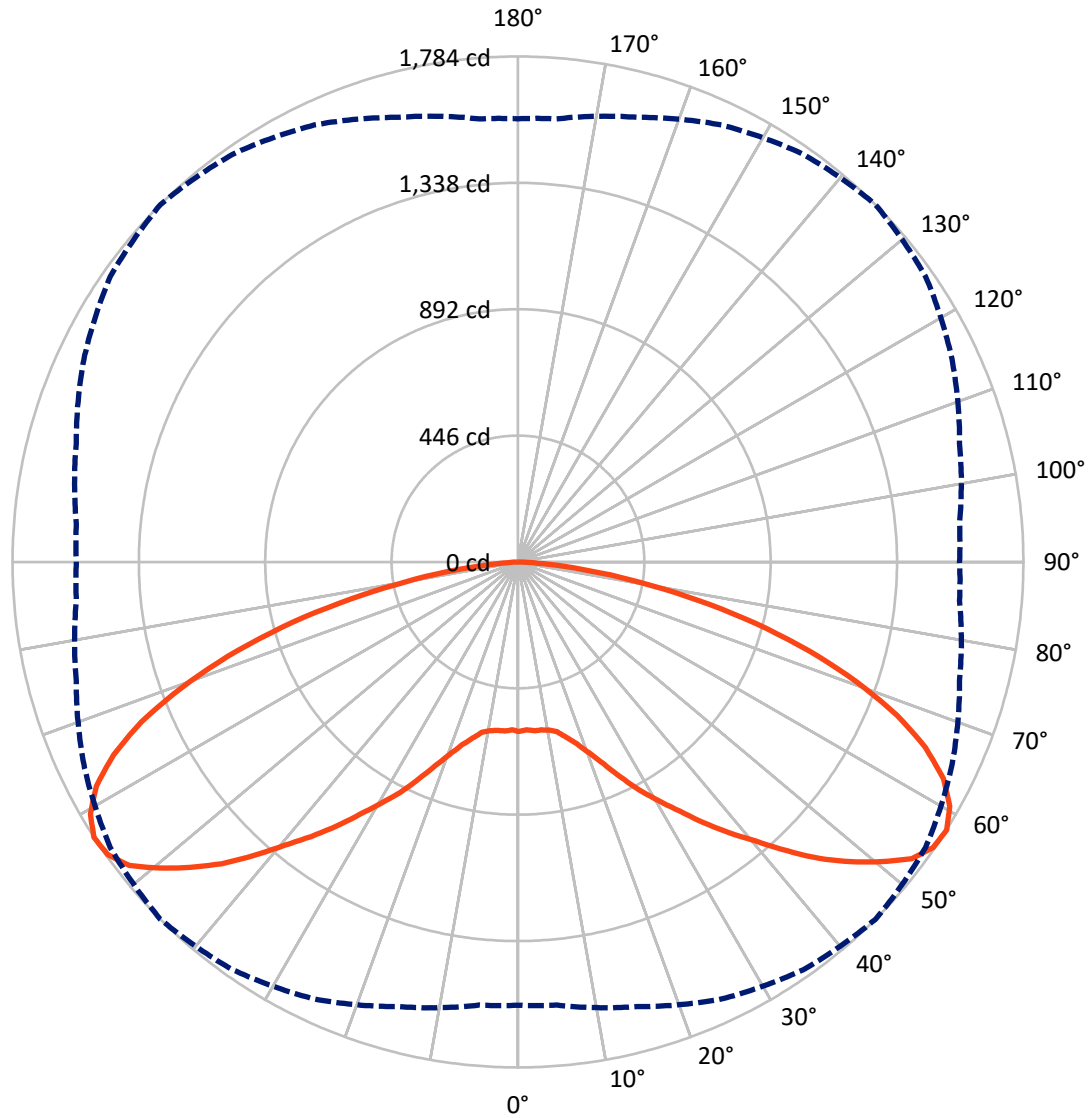
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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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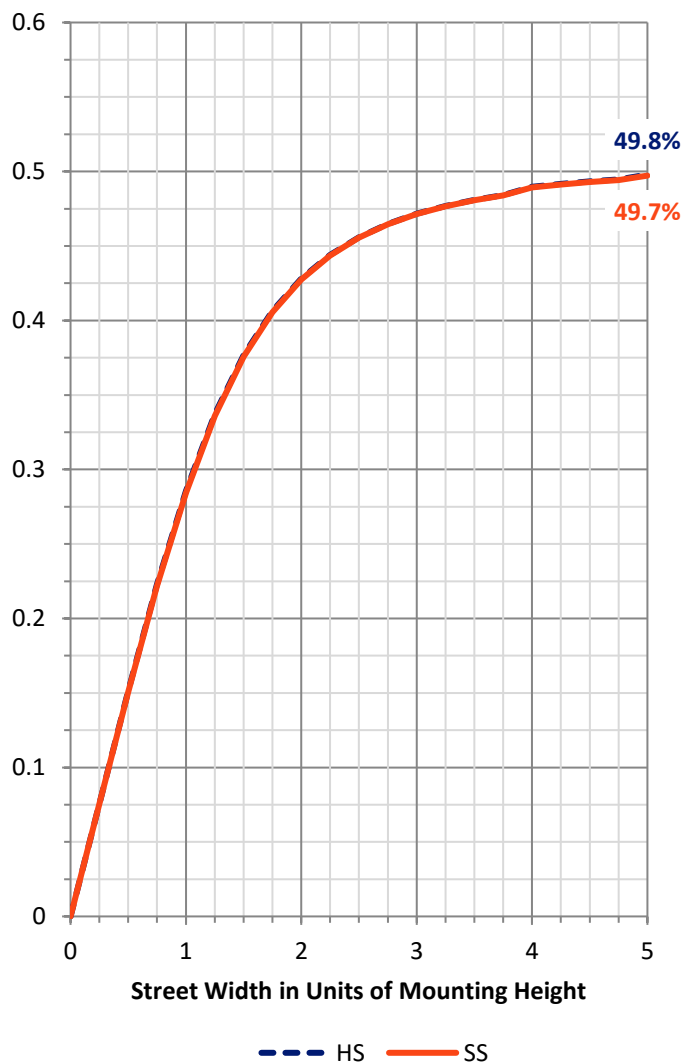
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3167.0	0.0	3167.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3167.0	0.0	3167.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6334.0	0.0	6334.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.1	0.9
10°-20°	184.5	2.9
20°-30°	388.2	6.1
30°-40°	699.8	11.0
40°-50°	1112.4	17.6
50°-60°	1484.1	23.4
60°-70°	1433.9	22.6
70°-80°	830.9	13.1
80°-90°	143.2	2.3
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°	6334.0	100.0
0°-180°	6334.0	100.0

**Coefficient of Utilization**



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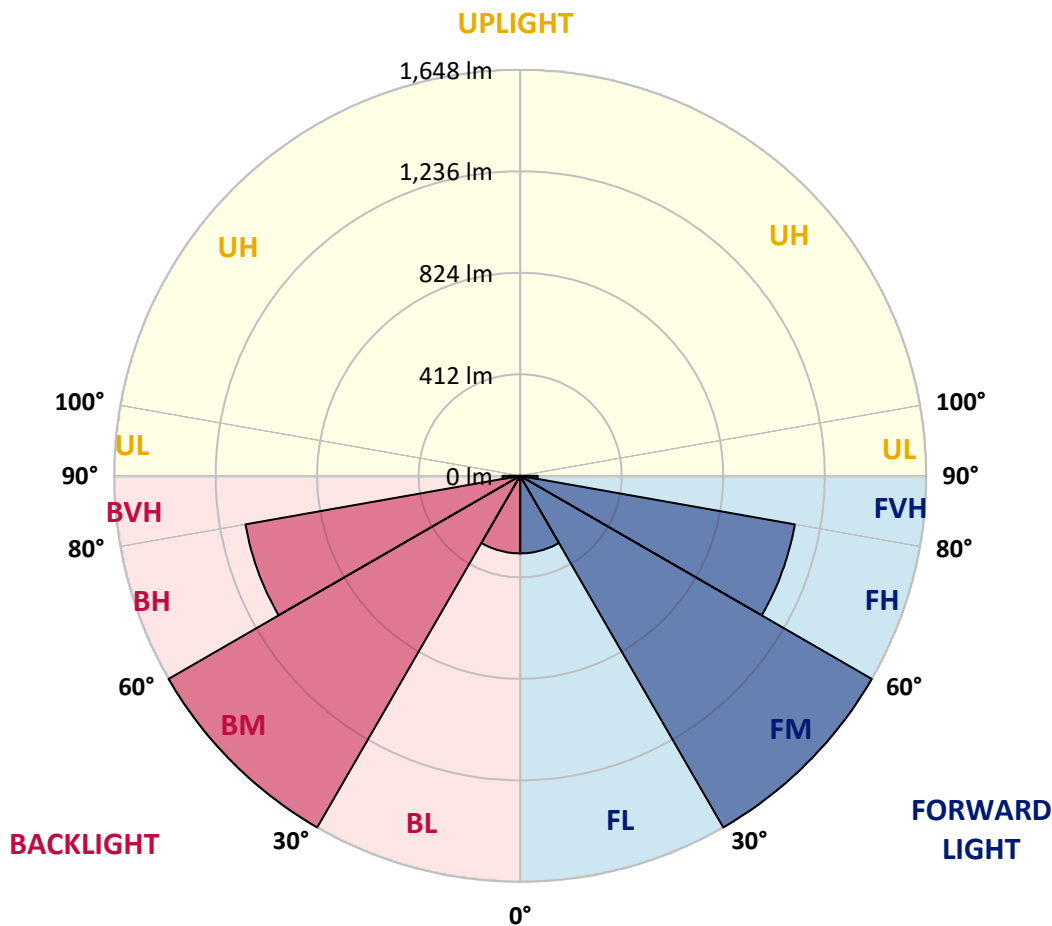
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	314.9	5.0			
FM (30°-60°)	1648.1	26.0			
FH (60°-80°)	1132.4	17.9			G1/1800
FVH (80°-90°)	71.6	1.1			G1/100
BL (0°-30°)	314.9	5.0	B1/500		
BM (30°-60°)	1648.1	26.0	B2/2500		
BH (60°-80°)	1132.4	17.9	B3/2500		G1/1800
BVH (80°-90°)	71.6	1.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	598.4	598.4	598.4	598.4	598.4	598.4	598.4	598.4	598.4	598.4	598.4
2.5°	592.9	592.9	592.9	592.9	592.9	592.9	592.9	592.9	592.9	592.9	592.9
5°	598.4	598.4	598.4	598.4	598.4	598.4	598.4	598.4	598.4	598.4	598.4
7.5°	592.9	592.9	598.4	598.4	598.4	598.4	598.4	598.4	598.4	592.9	592.9
10°	598.4	598.4	598.4	603.8	603.8	603.8	603.8	603.8	598.4	598.4	598.4
12.5°	609.3	609.3	614.8	614.8	614.8	614.8	614.8	614.8	614.8	609.3	609.3
15°	636.8	636.8	636.8	642.3	642.3	642.3	642.3	642.3	636.8	636.8	636.8
17.5°	664.2	664.2	669.7	669.7	675.2	675.2	675.2	669.7	669.7	669.7	669.7
20°	702.7	702.7	708.1	708.1	713.6	719.1	719.1	713.6	708.1	708.1	708.1
22.5°	752.1	757.6	757.6	757.6	763.0	774.0	768.5	763.0	757.6	757.6	757.6
25°	812.4	817.9	823.4	823.4	828.9	839.9	839.9	823.4	823.4	823.4	823.4
27.5°	883.8	889.3	894.8	894.8	900.3	911.3	905.8	894.8	894.8	889.3	889.3
30°	949.7	955.2	960.7	966.2	971.6	977.1	977.1	966.2	960.7	955.2	949.7
32.5°	1015.6	1015.6	1026.5	1037.5	1048.5	1048.5	1054.0	1037.5	1026.5	1015.6	1010.1
35°	1081.4	1086.9	1092.4	1108.9	1125.3	1130.8	1125.3	1108.9	1092.4	1081.4	1081.4
37.5°	1152.8	1158.3	1163.8	1185.7	1202.2	1213.2	1202.2	1185.7	1163.8	1152.8	1147.3
40°	1229.6	1235.1	1240.6	1268.1	1284.5	1295.5	1279.1	1262.6	1240.6	1229.6	1224.2
42.5°	1301.0	1312.0	1323.0	1355.9	1383.4	1394.3	1377.9	1350.4	1328.5	1301.0	1295.5
45°	1388.8	1399.8	1416.3	1449.2	1476.7	1493.1	1471.2	1443.7	1410.8	1388.8	1383.4
47.5°	1460.2	1471.2	1487.7	1531.6	1570.0	1581.0	1559.0	1526.1	1482.2	1454.7	1449.2
50°	1515.1	1526.1	1559.0	1608.4	1652.3	1663.3	1641.4	1597.4	1548.0	1509.6	1504.1
52.5°	1559.0	1570.0	1608.4	1674.3	1723.7	1740.2	1712.7	1663.3	1597.4	1553.5	1548.0
55°	1581.0	1586.5	1635.9	1707.2	1756.6	1778.6	1751.2	1696.3	1624.9	1575.5	1570.0
57.5°	1564.5	1570.0	1624.9	1701.7	1756.6	1784.1	1756.6	1690.8	1613.9	1564.5	1559.0
60°	1531.6	1531.6	1581.0	1668.8	1734.7	1751.2	1723.7	1657.8	1575.5	1526.1	1520.6
62.5°	1471.2	1465.7	1526.1	1602.9	1668.8	1685.3	1663.3	1597.4	1515.1	1465.7	1460.2
65°	1355.9	1344.9	1432.8	1504.1	1564.5	1581.0	1564.5	1504.1	1427.3	1350.4	1339.4
67.5°	1218.7	1202.2	1284.5	1366.9	1421.8	1443.7	1421.8	1372.4	1284.5	1207.7	1202.2
70°	1075.9	1059.5	1125.3	1196.7	1257.1	1268.1	1246.1	1196.7	1114.4	1065.0	1065.0
72.5°	905.8	889.3	949.7	1004.6	1065.0	1075.9	1054.0	1010.1	949.7	900.3	894.8
75°	719.1	702.7	757.6	801.5	861.9	867.3	856.4	807.0	757.6	708.1	708.1
77.5°	532.5	516.0	559.9	598.4	647.8	647.8	642.3	603.8	559.9	527.0	527.0
80°	351.3	340.3	378.8	395.2	439.2	439.2	433.7	406.2	373.3	351.3	345.8
82.5°	197.6	186.6	219.6	225.1	258.0	258.0	252.5	230.6	208.6	192.1	192.1
85°	76.9	65.9	87.8	93.3	109.8	109.8	104.3	98.8	82.3	71.4	71.4
87.5°	5.5	5.5	11.0	11.0	16.5	16.5	16.5	11.0	11.0	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)