

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: P832685

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

Issue Date: 5/14/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P832685  
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-D3-735-U-WQ-SG  
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE  
3500K, 70 CRI LEDS AND WIDE DISTRIBUTION WITH SOLITE GLASS  
Light Source: -  
Ballast/Driver: -

**Summary**

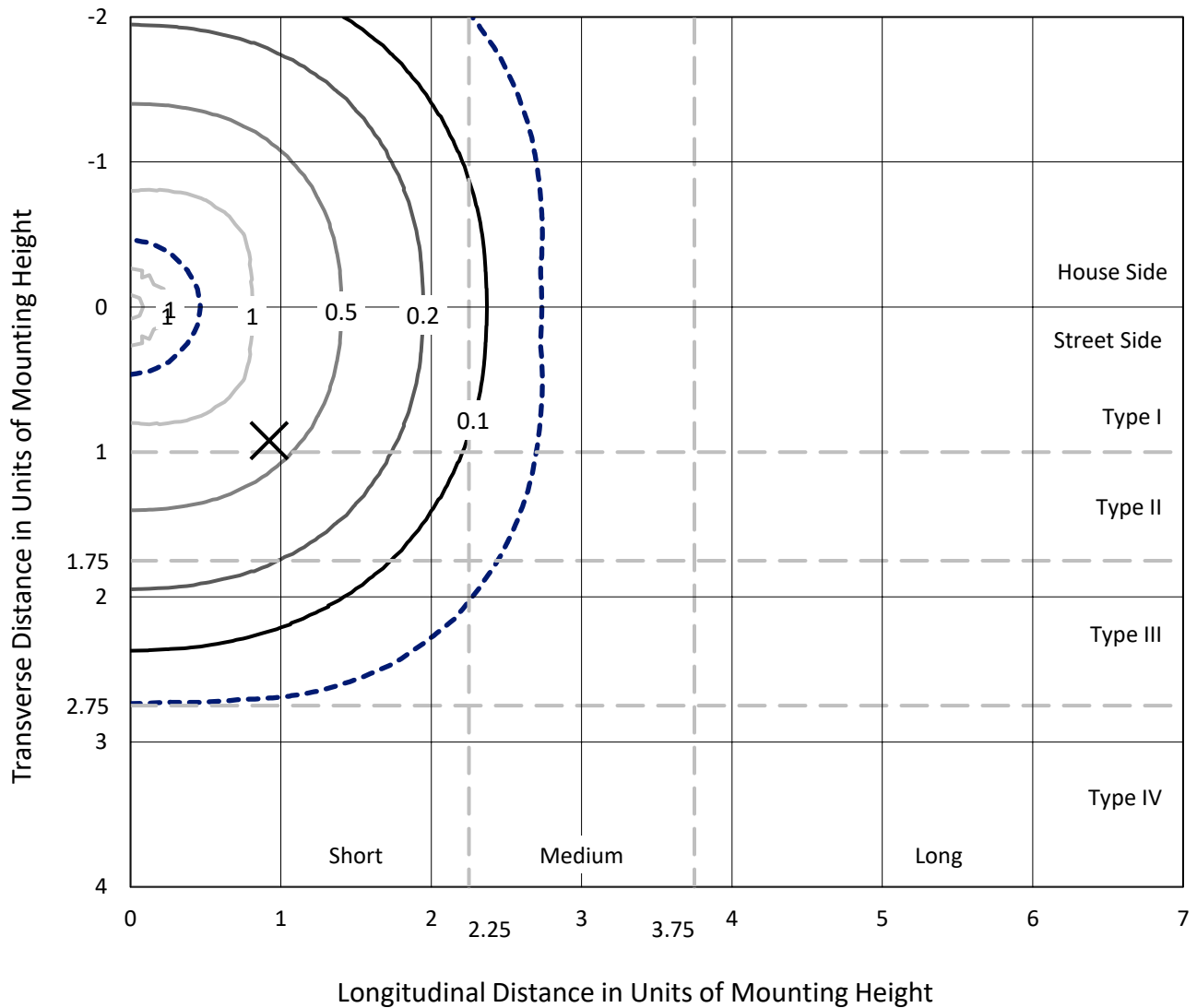
Lumens per Lamp: N/A  
Luminaire Lumens: 6208 lumens  
Efficiency: N/A  
Efficacy: 104.9 lumens/watt  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 59.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

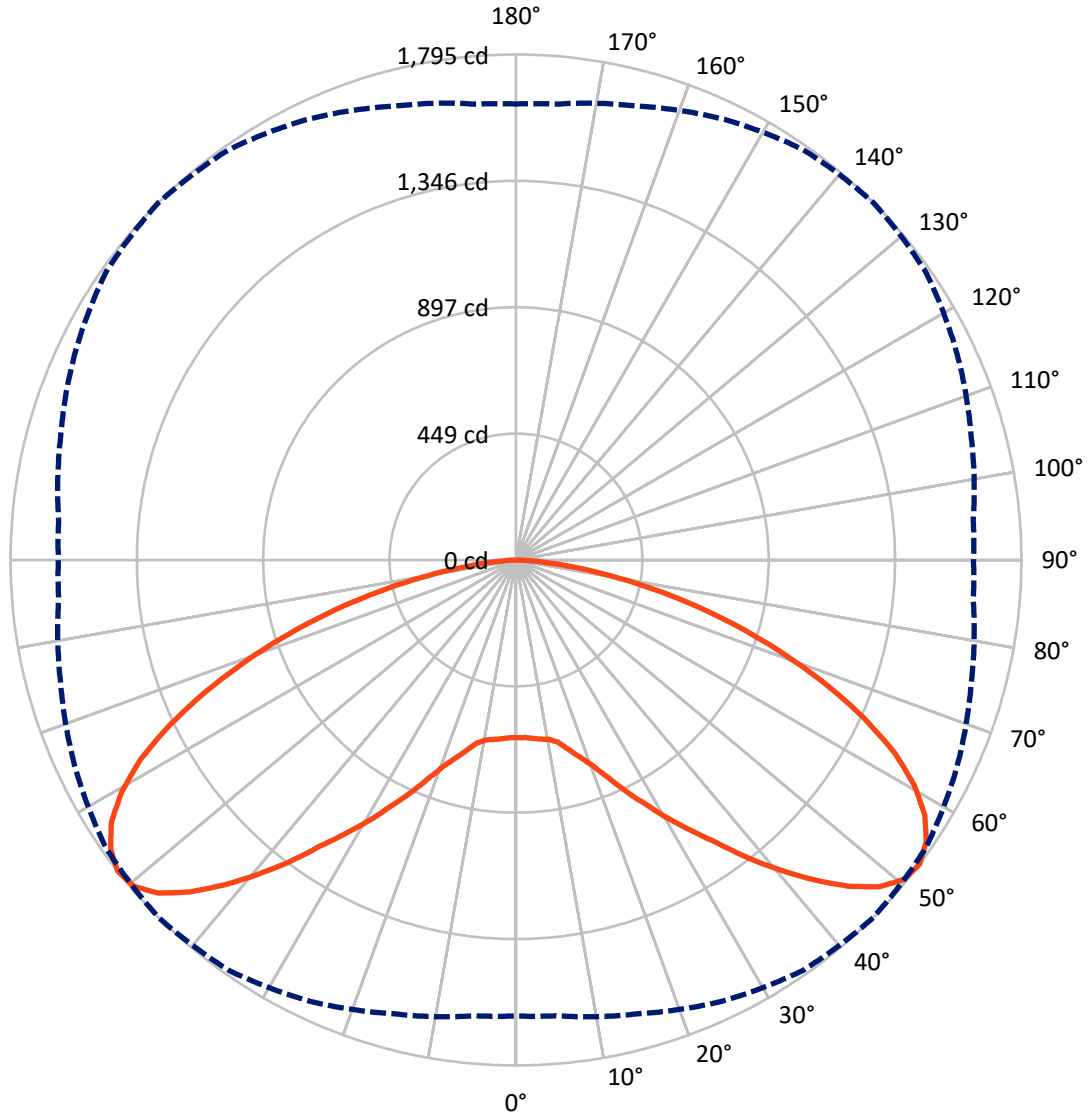
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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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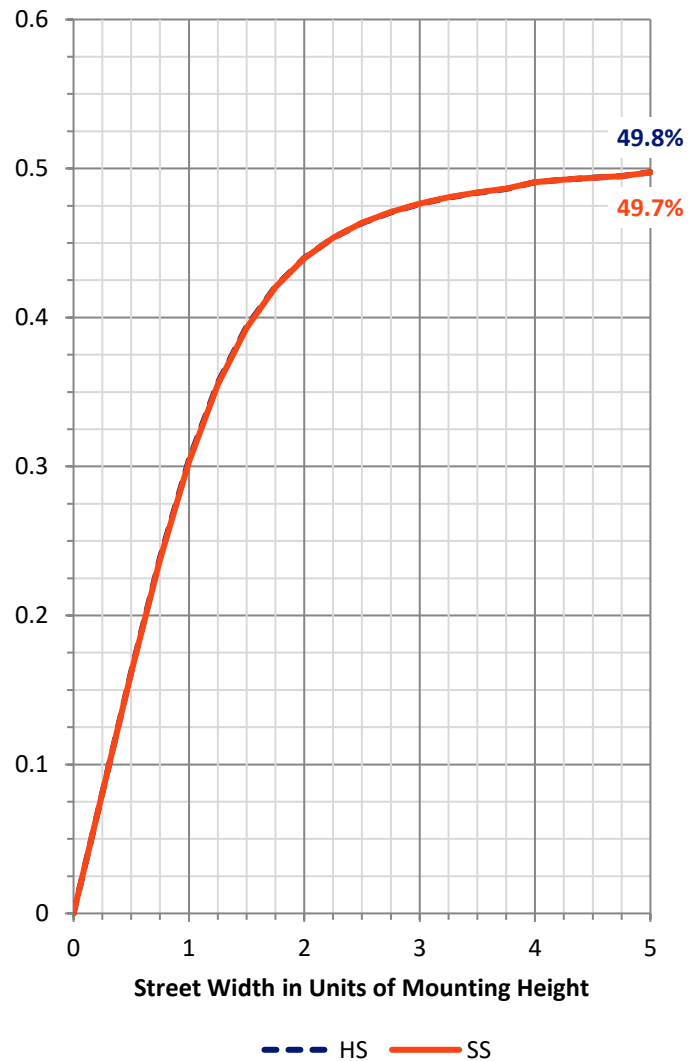
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3104.0	0.0	3104.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3104.0	0.0	3104.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6208.0	0.0	6208.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.0	1.0
10°-20°	200.3	3.2
20°-30°	422.8	6.8
30°-40°	772.3	12.4
40°-50°	1229.5	19.8
50°-60°	1486.7	23.9
60°-70°	1250.1	20.1
70°-80°	662.6	10.7
80°-90°	122.6	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°	6208.0	100.0
0°-180°	6208.0	100.0



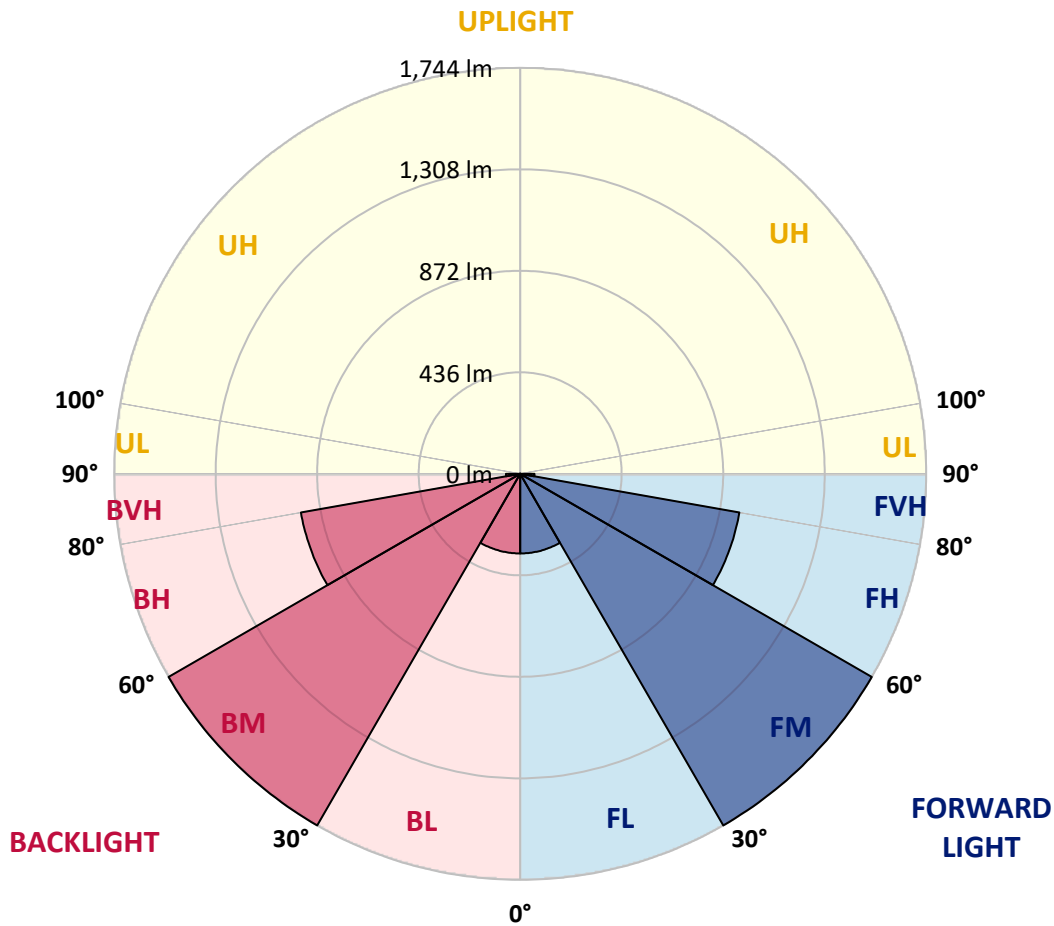
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	342.0	5.5			
FM (30°-60°)	1744.3	28.1			
FH (60°-80°)	956.4	15.4			G1/1800
FVH (80°-90°)	61.3	1.0			G1/100
BL (0°-30°)	342.0	5.5	B1/500		
BM (30°-60°)	1744.3	28.1	B2/2500		
BH (60°-80°)	956.4	15.4	B2/1000		G1/1800
BVH (80°-90°)	61.3	1.0			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°	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2
2.5°	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2
5°	636.6	636.6	631.2	636.6	636.6	636.6	636.6	636.6	636.6	636.6	636.6
7.5°	636.6	636.6	636.6	642.1	642.1	642.1	642.1	636.6	636.6	636.6	636.6
10°	647.6	647.6	647.6	647.6	647.6	647.6	647.6	647.6	647.6	647.6	647.6
12.5°	664.1	664.1	664.1	664.1	664.1	664.1	664.1	664.1	664.1	664.1	664.1
15°	691.5	691.5	691.5	691.5	697.0	697.0	697.0	691.5	691.5	691.5	691.5
17.5°	724.5	724.5	729.9	729.9	735.4	735.4	735.4	729.9	724.5	729.9	724.5
20°	773.8	773.8	773.8	779.3	784.8	779.3	784.8	773.8	773.8	773.8	773.8
22.5°	828.7	828.7	828.7	834.2	839.7	839.7	839.7	828.7	828.7	828.7	828.7
25°	894.6	894.6	894.6	900.1	905.6	911.1	911.1	900.1	894.6	894.6	889.1
27.5°	960.4	960.4	971.4	976.9	982.4	982.4	982.4	971.4	965.9	965.9	965.9
30°	1037.3	1037.3	1048.3	1053.7	1064.7	1064.7	1064.7	1048.3	1042.8	1037.3	1037.3
32.5°	1108.6	1114.1	1125.1	1136.1	1147.0	1147.0	1152.5	1130.6	1119.6	1114.1	1114.1
35°	1185.5	1191.0	1201.9	1218.4	1229.4	1234.9	1240.3	1218.4	1201.9	1196.4	1196.4
37.5°	1273.3	1278.8	1295.2	1311.7	1333.6	1344.6	1350.1	1317.2	1289.7	1278.8	1278.8
40°	1372.1	1377.6	1394.0	1416.0	1437.9	1448.9	1454.4	1421.5	1394.0	1383.0	1377.6
42.5°	1454.4	1465.4	1481.8	1514.8	1536.7	1553.2	1553.2	1514.8	1481.8	1465.4	1465.4
45°	1531.2	1542.2	1569.6	1602.6	1635.5	1652.0	1646.5	1608.1	1569.6	1547.7	1542.2
47.5°	1591.6	1602.6	1635.5	1673.9	1717.8	1734.3	1728.8	1684.9	1635.5	1608.1	1602.6
50°	1624.5	1630.0	1668.4	1723.3	1767.2	1783.7	1772.7	1728.8	1673.9	1635.5	1630.0
52.5°	1619.0	1624.5	1668.4	1728.8	1778.2	1794.7	1778.2	1728.8	1673.9	1630.0	1624.5
55°	1586.1	1591.6	1635.5	1701.4	1750.8	1767.2	1750.8	1701.4	1641.0	1597.1	1591.6
57.5°	1525.7	1531.2	1575.1	1641.0	1695.9	1712.3	1690.4	1635.5	1575.1	1531.2	1531.2
60°	1437.9	1443.4	1487.3	1558.7	1608.1	1624.5	1597.1	1553.2	1492.8	1443.4	1437.9
62.5°	1322.7	1322.7	1372.1	1443.4	1487.3	1509.3	1481.8	1432.4	1377.6	1322.7	1328.2
65°	1185.5	1180.0	1229.4	1295.2	1344.6	1361.1	1333.6	1289.7	1234.9	1185.5	1185.5
67.5°	1042.8	1042.8	1081.2	1136.1	1180.0	1196.4	1169.0	1130.6	1086.7	1042.8	1042.8
70°	889.1	889.1	916.5	971.4	1009.8	1020.8	1004.4	965.9	927.5	889.1	889.1
72.5°	735.4	729.9	757.4	801.3	834.2	845.2	828.7	806.8	762.9	735.4	735.4
75°	581.8	576.3	592.7	631.2	658.6	669.6	653.1	636.6	603.7	581.8	581.8
77.5°	433.6	428.1	444.5	477.5	493.9	499.4	488.5	477.5	450.0	433.6	433.6
80°	296.4	290.9	301.9	323.8	340.3	340.3	334.8	329.3	307.3	296.4	301.9
82.5°	175.6	170.1	181.1	197.6	208.6	203.1	203.1	197.6	181.1	175.6	175.6
85°	76.8	71.3	76.8	87.8	98.8	93.3	93.3	93.3	82.3	76.8	76.8
87.5°	11.0	11.0	11.0	16.5	22.0	16.5	16.5	16.5	11.0	11.0	11.0
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)