

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: P823443

Luminaire Tested: **TTN-D3-735-U-MQ**

Issue Date: 4/16/2024

Test Information

Test Method: LM-79-08
Report Number: P823443
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-254-8)
Test Lab: INNOVATION CENTER
Issue Date: 4/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TTN-D3-735-U-MQ
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE
3500K, 70 CRI LEDS AND MEDIUM DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6993 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Luminous Opening: Circular (Dia: 0.71' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

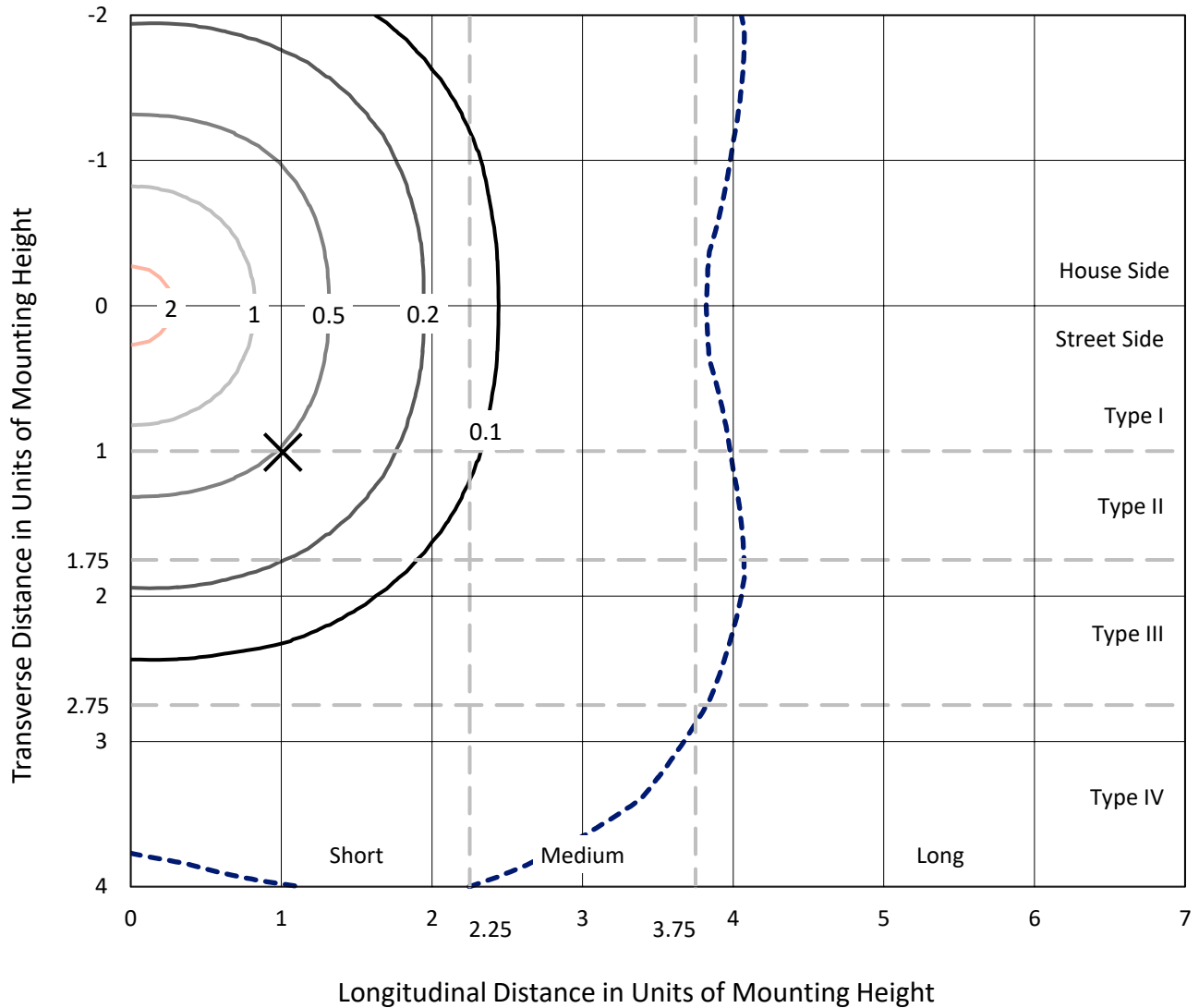
Input Watts (W): 59.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

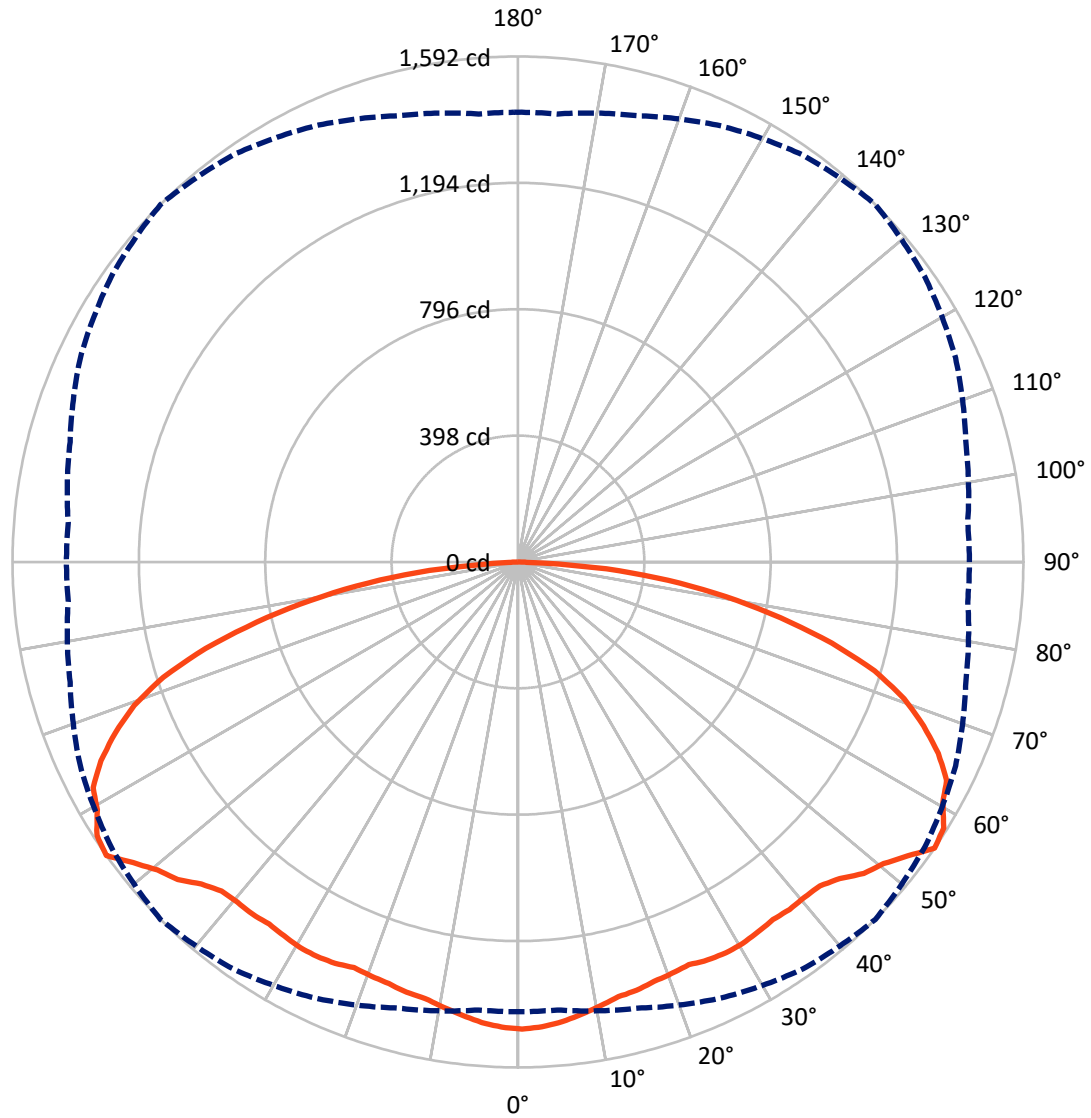
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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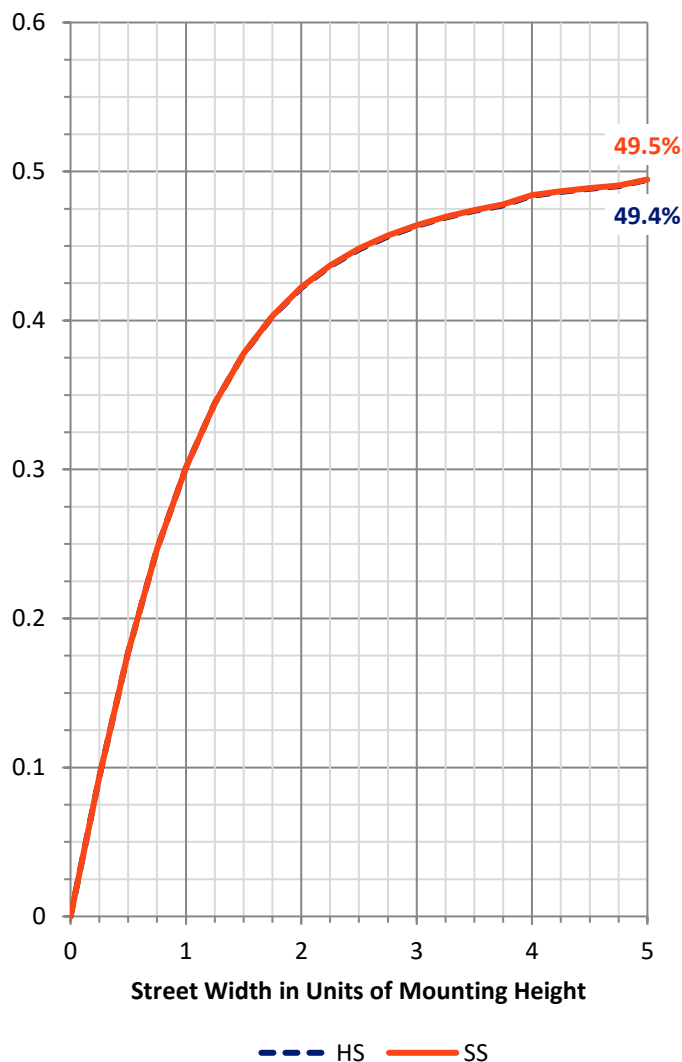
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3496.5	0.0	3496.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3496.5	0.0	3496.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6993.0	0.0	6993.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.7	2.0
10°-20°	395.3	5.7
20°-30°	638.9	9.1
30°-40°	864.6	12.4
40°-50°	1083.0	15.5
50°-60°	1327.1	19.0
60°-70°	1330.4	19.0
70°-80°	960.0	13.7
80°-90°	256.0	3.7
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°	6993.0	100.0
0°-180°	6993.0	100.0

Coefficient of Utilization



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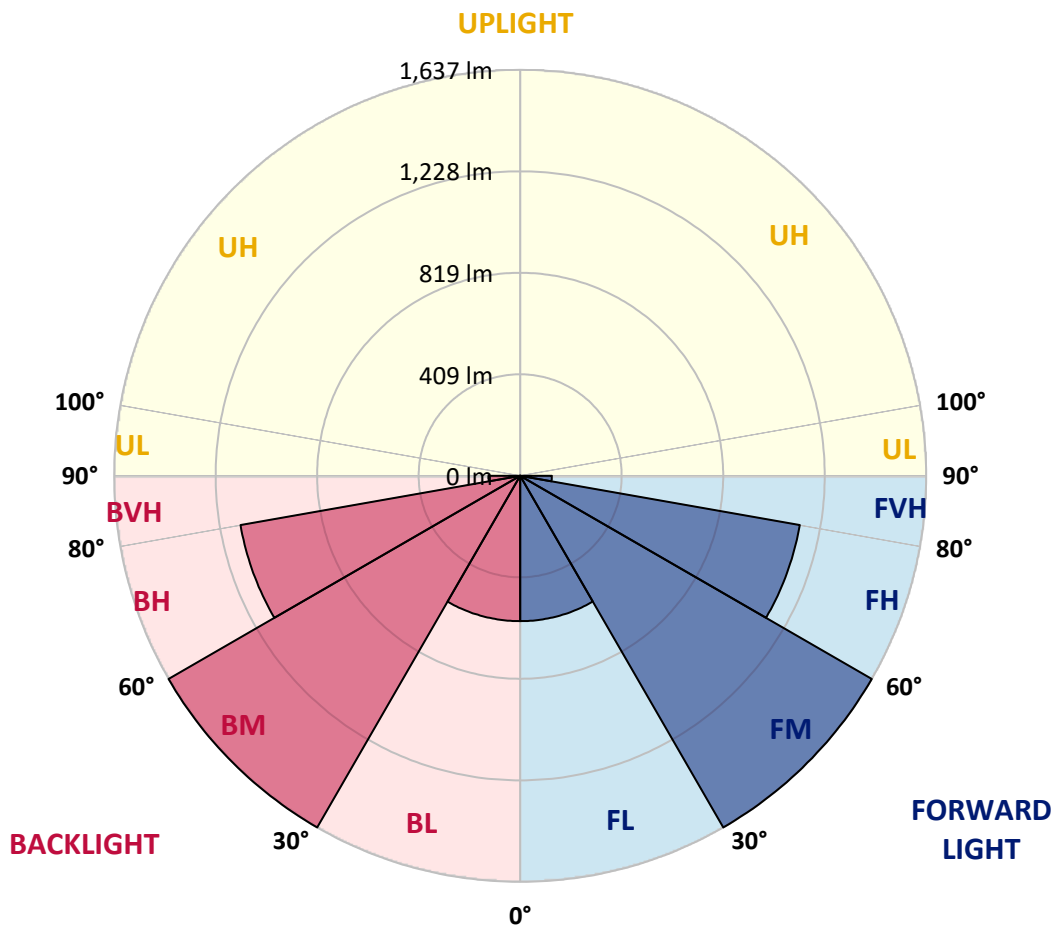
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	586.0	8.4			
FM (30°-60°)	1637.3	23.4			
FH (60°-80°)	1145.2	16.4			G1/1800
FVH (80°-90°)	128.0	1.8			G2/225
BL (0°-30°)	586.0	8.4	B2/1000		
BM (30°-60°)	1637.3	23.4	B2/2500		
BH (60°-80°)	1145.2	16.4	B3/2500		G1/1800
BVH (80°-90°)	128.0	1.8			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1471.3	1471.3	1471.3	1471.3	1471.3	1471.3	1471.3	1471.3	1471.3	1471.3	1471.3
2.5°	1465.8	1465.8	1465.8	1460.3	1465.8	1465.8	1465.8	1465.8	1465.8	1465.8	1465.8
5°	1454.8	1454.8	1454.8	1454.8	1454.8	1454.8	1454.8	1454.8	1454.8	1454.8	1454.8
7.5°	1438.3	1438.3	1438.3	1438.3	1438.3	1438.3	1438.3	1438.3	1438.3	1438.3	1438.3
10°	1416.4	1416.4	1416.4	1416.4	1421.9	1421.9	1421.9	1421.9	1416.4	1416.4	1416.4
12.5°	1399.9	1399.9	1399.9	1405.4	1405.4	1405.4	1405.4	1405.4	1405.4	1405.4	1399.9
15°	1394.4	1394.4	1394.4	1394.4	1399.9	1399.9	1399.9	1399.9	1394.4	1394.4	1394.4
17.5°	1383.4	1383.4	1383.4	1388.9	1388.9	1388.9	1388.9	1388.9	1383.4	1383.4	1383.4
20°	1372.5	1372.5	1377.9	1377.9	1383.4	1383.4	1383.4	1377.9	1377.9	1372.5	1377.9
22.5°	1372.5	1372.5	1372.5	1377.9	1377.9	1377.9	1377.9	1372.5	1372.5	1372.5	1372.5
25°	1372.5	1372.5	1377.9	1383.4	1383.4	1388.9	1383.4	1377.9	1372.5	1372.5	1372.5
27.5°	1377.9	1377.9	1383.4	1388.9	1388.9	1394.4	1388.9	1383.4	1377.9	1377.9	1377.9
30°	1377.9	1377.9	1383.4	1388.9	1388.9	1394.4	1388.9	1383.4	1377.9	1377.9	1377.9
32.5°	1367.0	1372.5	1377.9	1383.4	1388.9	1388.9	1388.9	1383.4	1377.9	1372.5	1372.5
35°	1361.5	1367.0	1372.5	1377.9	1383.4	1383.4	1383.4	1377.9	1372.5	1367.0	1367.0
37.5°	1356.0	1356.0	1367.0	1372.5	1377.9	1388.9	1383.4	1372.5	1367.0	1361.5	1361.5
40°	1350.5	1356.0	1361.5	1372.5	1377.9	1388.9	1383.4	1372.5	1361.5	1356.0	1356.0
42.5°	1350.5	1350.5	1361.5	1372.5	1383.4	1394.4	1388.9	1377.9	1361.5	1356.0	1350.5
45°	1356.0	1361.5	1377.9	1399.9	1410.9	1421.9	1416.4	1399.9	1372.5	1361.5	1356.0
47.5°	1377.9	1383.4	1399.9	1421.9	1449.3	1465.8	1449.3	1421.9	1399.9	1383.4	1377.9
50°	1388.9	1394.4	1421.9	1449.3	1487.7	1493.2	1487.7	1449.3	1421.9	1394.4	1394.4
52.5°	1410.9	1410.9	1443.8	1493.2	1526.2	1537.2	1526.2	1498.7	1443.8	1416.4	1410.9
55°	1416.4	1416.4	1454.8	1515.2	1564.6	1592.0	1564.6	1520.7	1460.3	1421.9	1421.9
57.5°	1383.4	1394.4	1443.8	1504.2	1564.6	1581.1	1564.6	1509.7	1449.3	1399.9	1394.4
60°	1345.0	1361.5	1405.4	1476.8	1520.7	1537.2	1526.2	1476.8	1410.9	1361.5	1356.0
62.5°	1306.6	1328.5	1377.9	1432.8	1498.7	1515.2	1498.7	1432.8	1377.9	1328.5	1306.6
65°	1224.2	1246.2	1317.6	1383.4	1443.8	1454.8	1449.3	1383.4	1317.6	1246.2	1235.2
67.5°	1141.9	1158.4	1207.8	1312.1	1361.5	1377.9	1367.0	1306.6	1213.3	1158.4	1152.9
70°	1054.0	1070.5	1114.4	1213.3	1262.7	1290.1	1268.1	1213.3	1114.4	1070.5	1065.0
72.5°	938.8	960.7	1010.1	1098.0	1147.4	1174.8	1152.9	1098.0	1010.1	955.2	944.3
75°	801.5	818.0	878.4	949.7	999.1	1021.1	1004.6	955.2	878.4	818.0	812.5
77.5°	653.3	669.8	724.7	796.0	823.5	845.4	829.0	790.5	724.7	669.8	664.3
80°	494.1	510.6	560.0	614.9	642.3	664.3	647.8	609.4	560.0	510.6	505.1
82.5°	323.9	340.4	384.3	428.2	455.7	477.6	461.1	422.7	389.8	340.4	334.9
85°	137.2	153.7	192.1	236.1	258.0	280.0	263.5	230.6	192.1	159.2	153.7
87.5°	11.0	16.5	16.5	22.0	16.5	27.4	16.5	16.5	16.5	16.5	16.5
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)