

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: P832682

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

Issue Date: 5/14/2024

Test Information

Test Method: LM-79-08
Report Number: P832682
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-254-13)
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-MQ-CG
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE
3500K, 70 CRI LEDS AND MEDIUM DISTRIBUTION WITH CLEAR GLASS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6762 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Luminous Opening: Circular (Dia: 0.71' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

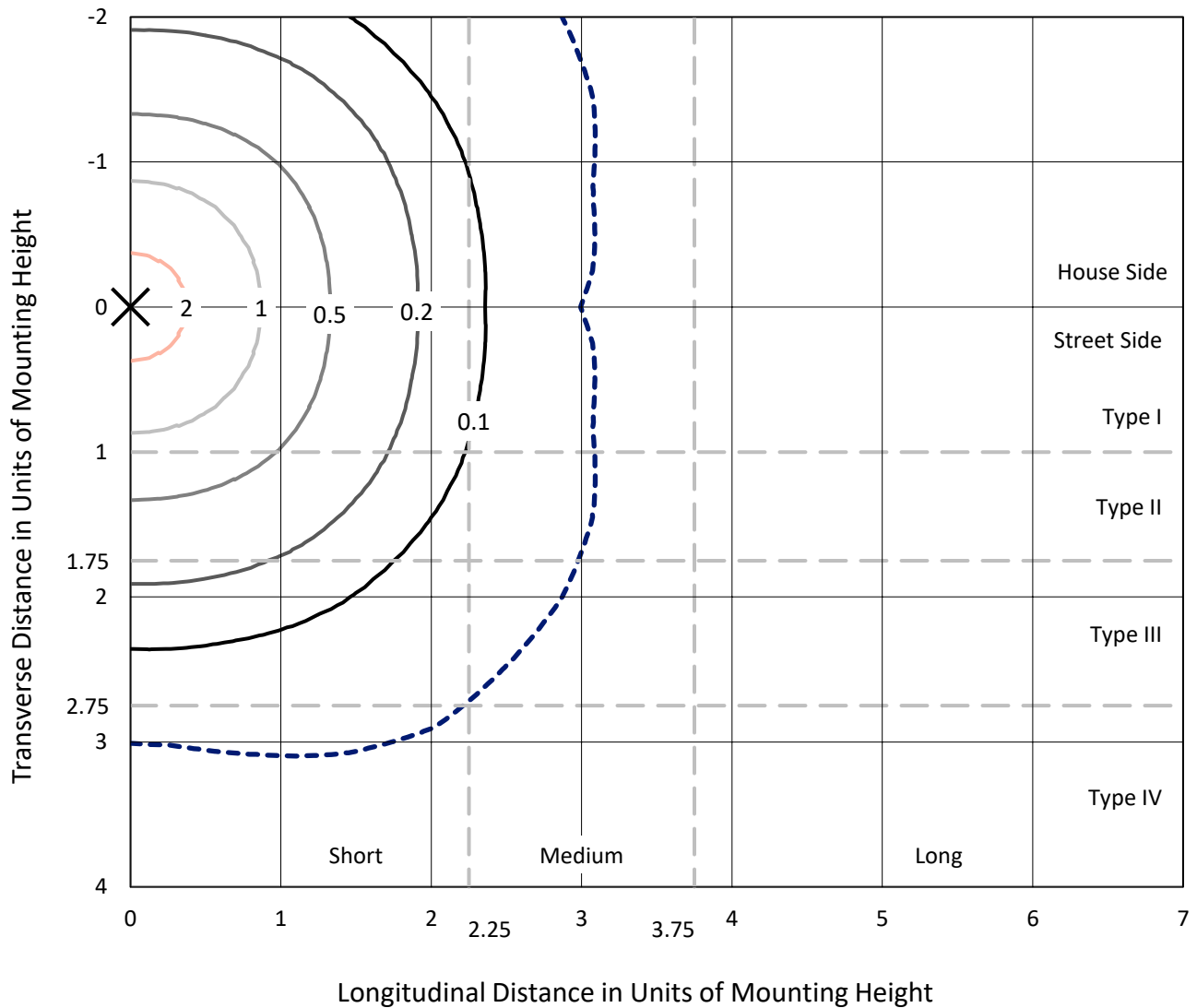
Input Watts (W): 59.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

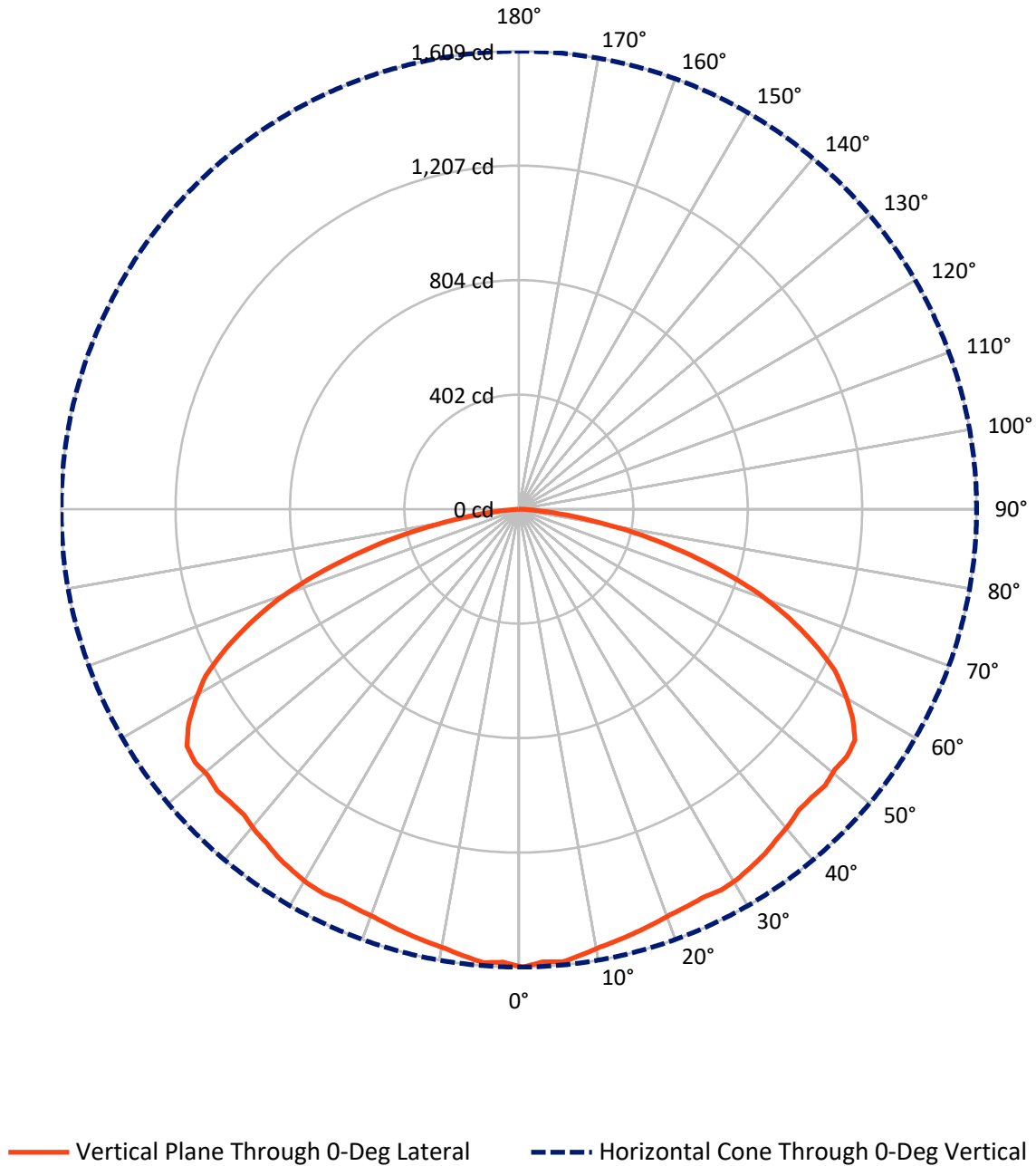
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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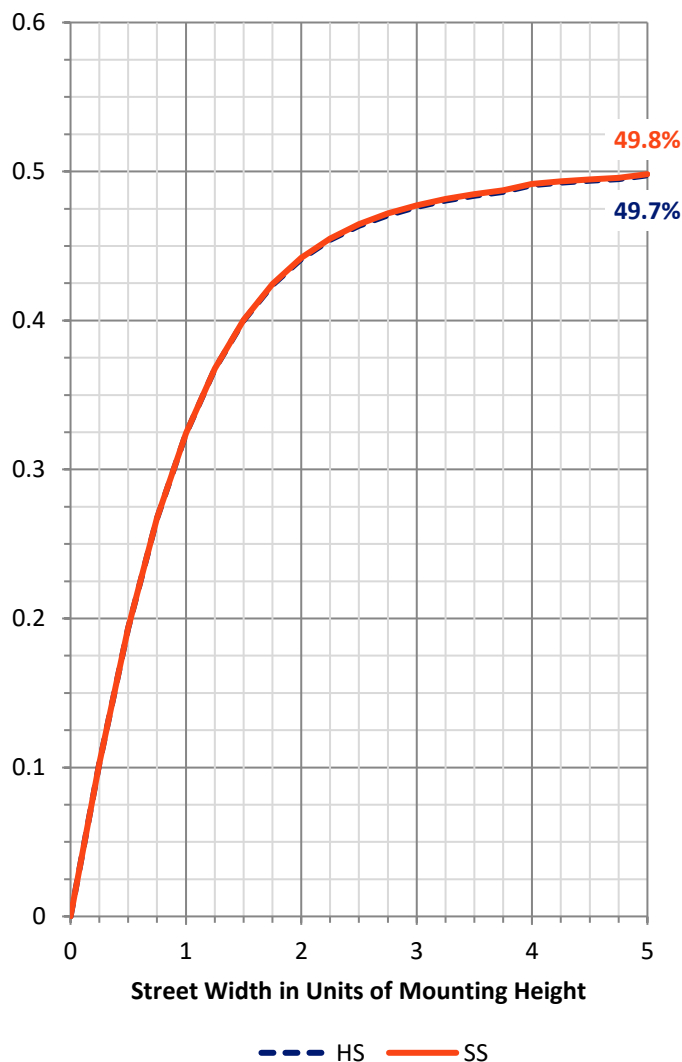
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3381.0	0.0	3381.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3381.0	0.0	3381.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6762.0	0.0	6762.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.1	2.2
10°-20°	437.0	6.5
20°-30°	703.0	10.4
30°-40°	939.2	13.9
40°-50°	1141.1	16.9
50°-60°	1325.8	19.6
60°-70°	1223.2	18.1
70°-80°	716.1	10.6
80°-90°	125.5	1.9
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°	6762.0	100.0
0°-180°	6762.0	100.0

Coefficient of Utilization



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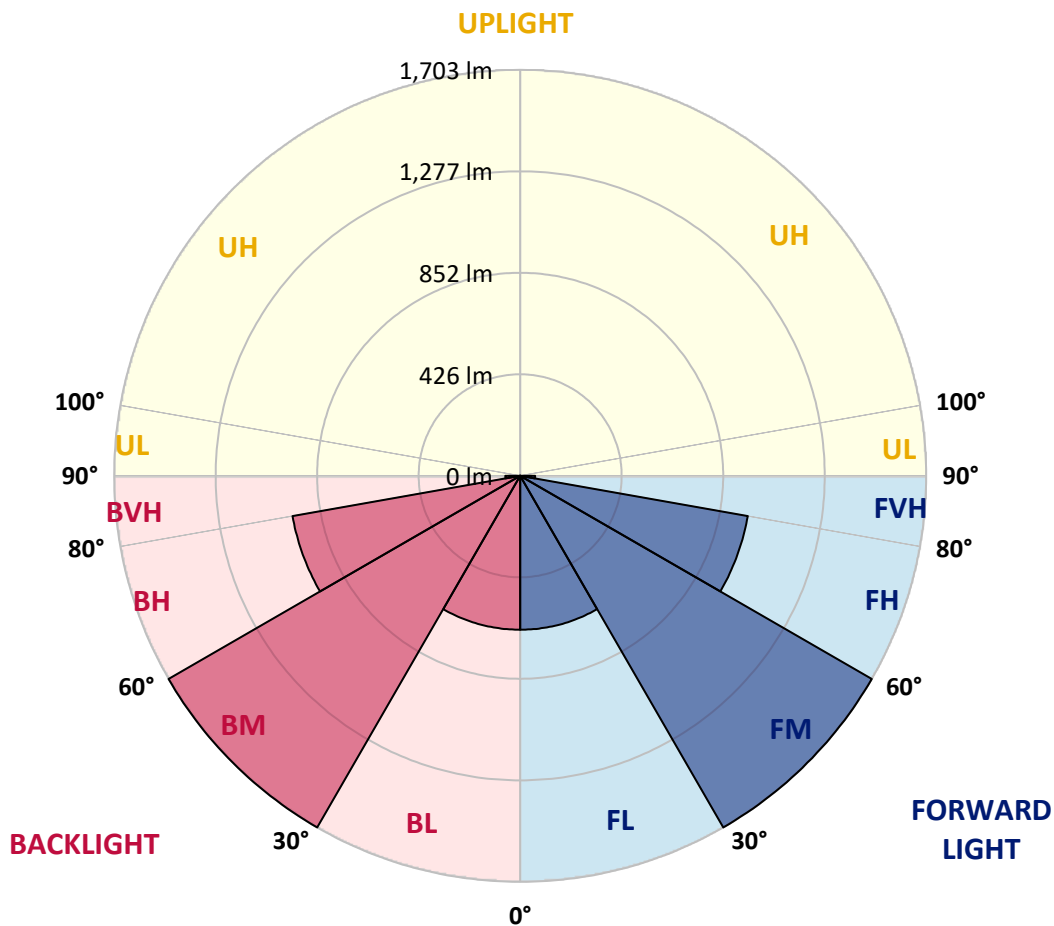
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	645.6	9.5			
FM (30°-60°)	1703.1	25.2			
FH (60°-80°)	969.7	14.3			G1/1800
FVH (80°-90°)	62.7	0.9			G1/100
BL (0°-30°)	645.6	9.5	B2/1000		
BM (30°-60°)	1703.1	25.2	B2/2500		
BH (60°-80°)	969.7	14.3	B2/1000		G1/1800
BVH (80°-90°)	62.7	0.9			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°	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7
2.5°	1592.2	1597.7	1592.2	1592.2	1592.2	1592.2	1592.2	1592.2	1592.2	1592.2	1597.7
5°	1597.7	1597.7	1597.7	1597.7	1592.2	1592.2	1592.2	1592.2	1592.2	1597.7	1597.7
7.5°	1581.2	1581.2	1581.2	1581.2	1581.2	1575.7	1581.2	1581.2	1581.2	1581.2	1581.2
10°	1564.7	1564.7	1564.7	1564.7	1564.7	1564.7	1564.7	1564.7	1564.7	1564.7	1564.7
12.5°	1553.8	1553.8	1553.8	1553.8	1553.8	1553.8	1553.8	1553.8	1553.8	1548.3	1548.3
15°	1542.8	1542.8	1542.8	1542.8	1548.3	1548.3	1542.8	1542.8	1542.8	1542.8	1542.8
17.5°	1531.8	1531.8	1531.8	1531.8	1537.3	1537.3	1537.3	1531.8	1531.8	1531.8	1531.8
20°	1520.8	1520.8	1520.8	1520.8	1526.3	1526.3	1526.3	1526.3	1526.3	1520.8	1520.8
22.5°	1515.3	1515.3	1515.3	1515.3	1520.8	1520.8	1520.8	1520.8	1515.3	1515.3	1515.3
25°	1509.8	1515.3	1515.3	1515.3	1520.8	1526.3	1526.3	1520.8	1515.3	1509.8	1509.8
27.5°	1515.3	1515.3	1515.3	1520.8	1520.8	1526.3	1526.3	1520.8	1515.3	1515.3	1515.3
30°	1509.8	1509.8	1509.8	1515.3	1520.8	1526.3	1520.8	1520.8	1515.3	1509.8	1509.8
32.5°	1498.9	1498.9	1504.4	1509.8	1515.3	1515.3	1515.3	1509.8	1504.4	1498.9	1498.9
35°	1487.9	1487.9	1487.9	1493.4	1504.4	1504.4	1504.4	1498.9	1493.4	1487.9	1482.4
37.5°	1471.4	1476.9	1476.9	1487.9	1493.4	1498.9	1493.4	1487.9	1476.9	1471.4	1471.4
40°	1460.4	1460.4	1465.9	1476.9	1487.9	1487.9	1482.4	1476.9	1465.9	1460.4	1460.4
42.5°	1444.0	1444.0	1454.9	1465.9	1482.4	1482.4	1476.9	1465.9	1454.9	1444.0	1444.0
45°	1444.0	1444.0	1454.9	1476.9	1487.9	1498.9	1487.9	1476.9	1454.9	1444.0	1438.5
47.5°	1449.4	1449.4	1460.4	1487.9	1509.8	1520.8	1504.4	1482.4	1460.4	1449.4	1444.0
50°	1438.5	1444.0	1465.9	1493.4	1520.8	1526.3	1520.8	1487.9	1465.9	1438.5	1438.5
52.5°	1444.0	1444.0	1471.4	1515.3	1542.8	1553.8	1542.8	1515.3	1465.9	1438.5	1438.5
55°	1433.0	1427.5	1465.9	1515.3	1559.3	1581.2	1559.3	1515.3	1460.4	1427.5	1422.0
57.5°	1383.6	1383.6	1433.0	1482.4	1537.3	1548.3	1531.8	1482.4	1427.5	1383.6	1372.6
60°	1317.7	1323.2	1372.6	1427.5	1476.9	1482.4	1471.4	1427.5	1372.6	1323.2	1306.7
62.5°	1246.3	1257.3	1306.7	1361.6	1422.0	1433.0	1416.5	1361.6	1295.7	1262.8	1235.3
65°	1142.0	1158.5	1213.4	1273.8	1339.6	1334.2	1334.2	1268.3	1218.9	1164.0	1136.5
67.5°	1026.7	1043.2	1081.6	1164.0	1218.9	1213.4	1207.9	1164.0	1081.6	1043.2	1026.7
70°	900.4	911.4	949.8	1032.2	1081.6	1087.1	1070.6	1026.7	949.8	922.4	894.9
72.5°	752.2	757.7	812.6	878.5	927.9	922.4	916.9	878.5	807.1	779.6	746.7
75°	593.0	598.4	647.9	708.3	746.7	741.2	735.7	708.3	647.9	614.9	587.5
77.5°	444.7	439.2	488.6	532.6	554.5	560.0	549.0	527.1	483.1	455.7	439.2
80°	291.0	285.5	329.4	362.4	378.8	378.8	373.3	356.9	323.9	302.0	291.0
82.5°	164.7	159.2	186.7	208.6	225.1	219.6	214.1	203.1	186.7	170.2	159.2
85°	60.4	60.4	76.9	87.8	98.8	98.8	93.3	87.8	71.4	65.9	60.4
87.5°	5.5	5.5	11.0	16.5	16.5	16.5	11.0	11.0	5.5	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)