

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: P823468

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

Issue Date: 4/16/2024

Test Information

Test Method: LM-79-08
Report Number: P823468
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-D3-830-U-MQ
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE
3000K, 80 CRI LEDS AND MEDIUM DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6609 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Luminous Opening: Circular (Dia: 0.71' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

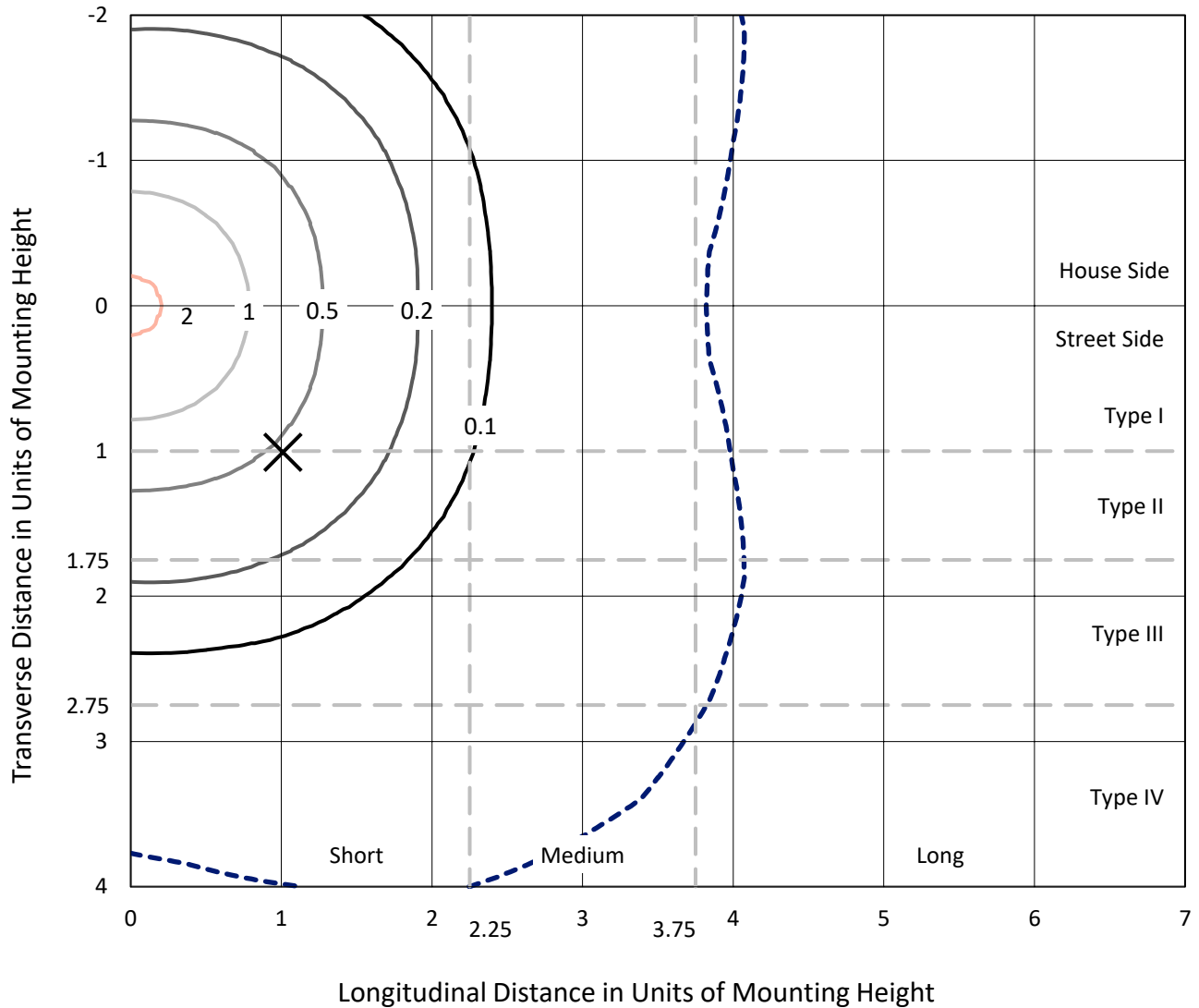
Input Watts (W): 59.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

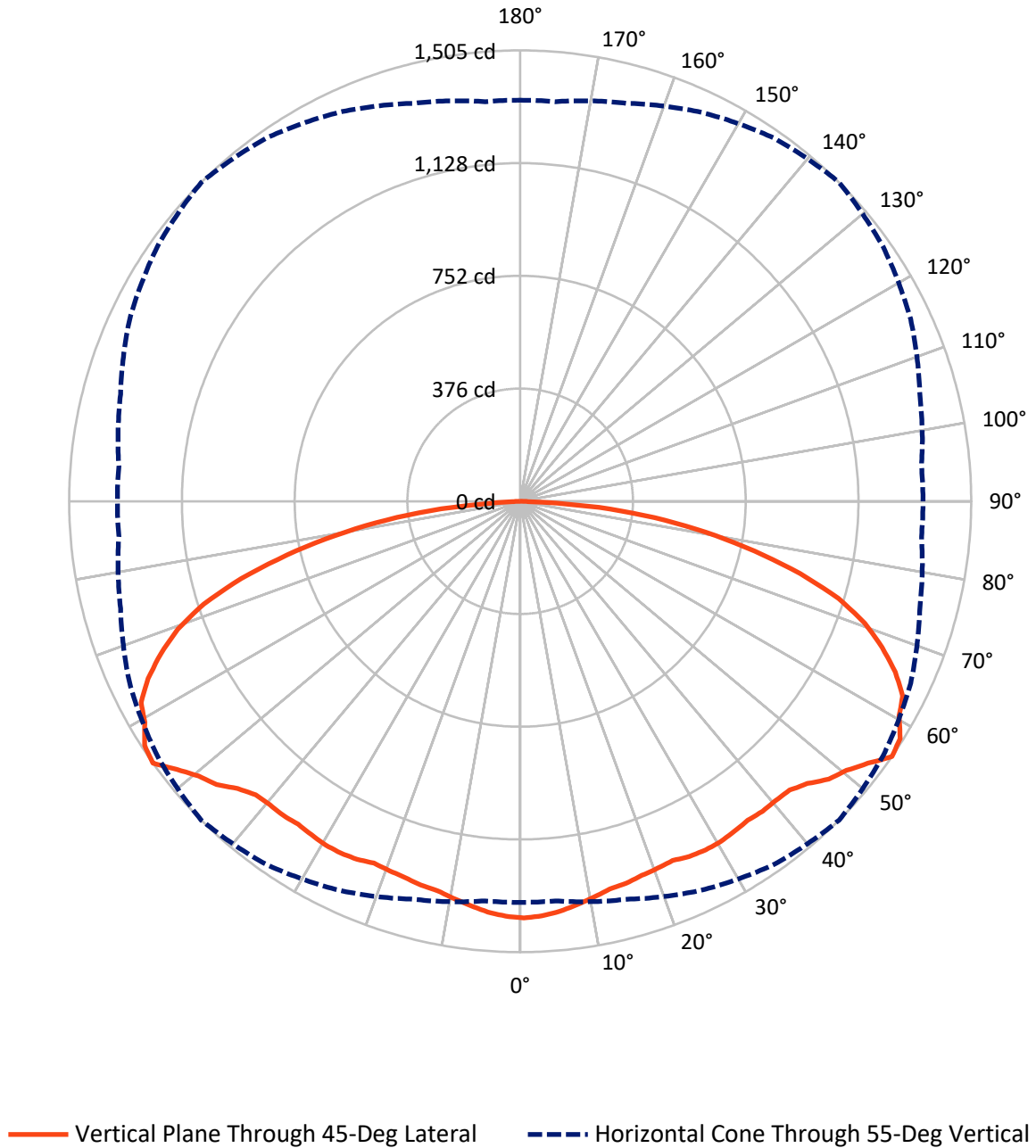
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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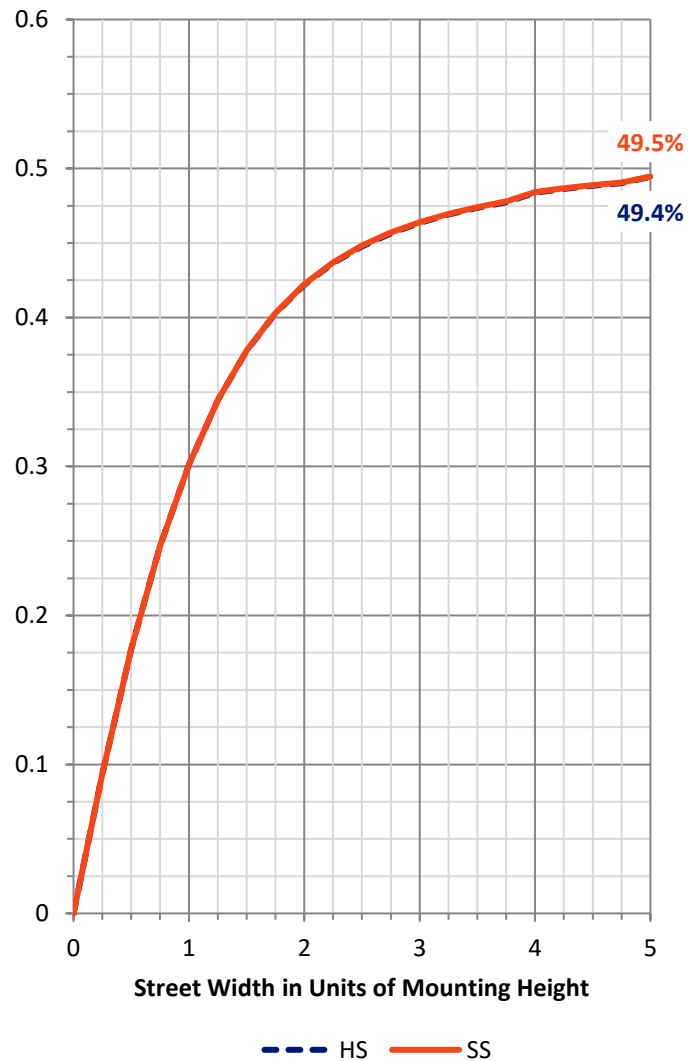
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3304.5	0.0	3304.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3304.5	0.0	3304.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6609.0	0.0	6609.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.1	2.0
10°-20°	373.6	5.7
20°-30°	603.9	9.1
30°-40°	817.1	12.4
40°-50°	1023.5	15.5
50°-60°	1254.3	19.0
60°-70°	1257.3	19.0
70°-80°	907.3	13.7
80°-90°	241.9	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°	6609.0	100.0
0°-180°	6609.0	100.0



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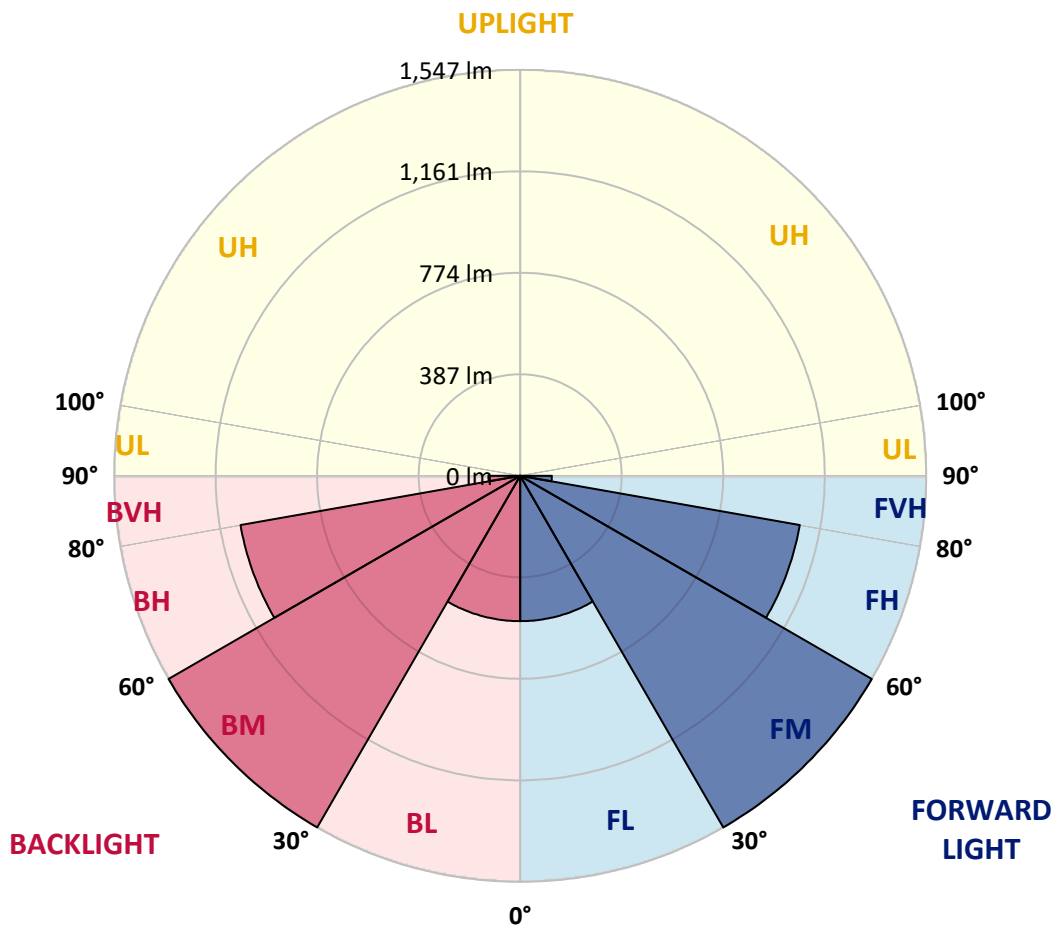
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	553.8	8.4			
FM (30°-60°)	1547.4	23.4			
FH (60°-80°)	1082.3	16.4			G1/1800
FVH (80°-90°)	121.0	1.8			G2/225
BL (0°-30°)	553.8	8.4	B2/1000		
BM (30°-60°)	1547.4	23.4	B2/2500		
BH (60°-80°)	1082.3	16.4	B3/2500		G1/1800
BVH (80°-90°)	121.0	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°	1390.5	1390.5	1390.5	1390.5	1390.5	1390.5	1390.5	1390.5	1390.5	1390.5	1390.5
2.5°	1385.3	1385.3	1385.3	1380.1	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3
5°	1374.9	1374.9	1374.9	1374.9	1374.9	1374.9	1374.9	1374.9	1374.9	1374.9	1374.9
7.5°	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4	1359.4
10°	1338.6	1338.6	1338.6	1338.6	1343.8	1343.8	1343.8	1343.8	1338.6	1338.6	1338.6
12.5°	1323.0	1323.0	1323.0	1328.2	1328.2	1328.2	1328.2	1328.2	1328.2	1328.2	1323.0
15°	1317.8	1317.8	1317.8	1317.8	1323.0	1323.0	1323.0	1323.0	1317.8	1317.8	1317.8
17.5°	1307.5	1307.5	1307.5	1312.7	1312.7	1312.7	1312.7	1312.7	1307.5	1307.5	1307.5
20°	1297.1	1297.1	1302.3	1302.3	1307.5	1307.5	1307.5	1302.3	1302.3	1297.1	1302.3
22.5°	1297.1	1297.1	1297.1	1302.3	1302.3	1302.3	1302.3	1297.1	1297.1	1297.1	1297.1
25°	1297.1	1297.1	1302.3	1307.5	1307.5	1312.7	1307.5	1302.3	1297.1	1297.1	1297.1
27.5°	1302.3	1302.3	1307.5	1312.7	1312.7	1317.8	1312.7	1307.5	1302.3	1302.3	1302.3
30°	1302.3	1302.3	1307.5	1312.7	1312.7	1317.8	1312.7	1307.5	1302.3	1302.3	1302.3
32.5°	1291.9	1297.1	1302.3	1307.5	1312.7	1312.7	1312.7	1307.5	1302.3	1297.1	1297.1
35°	1286.7	1291.9	1297.1	1302.3	1307.5	1307.5	1307.5	1302.3	1297.1	1291.9	1291.9
37.5°	1281.5	1281.5	1291.9	1297.1	1302.3	1312.7	1307.5	1297.1	1291.9	1286.7	1286.7
40°	1276.3	1281.5	1286.7	1297.1	1302.3	1312.7	1307.5	1297.1	1286.7	1281.5	1281.5
42.5°	1276.3	1276.3	1286.7	1297.1	1307.5	1317.8	1312.7	1302.3	1286.7	1281.5	1276.3
45°	1281.5	1286.7	1302.3	1323.0	1333.4	1343.8	1338.6	1323.0	1297.1	1286.7	1281.5
47.5°	1302.3	1307.5	1323.0	1343.8	1369.7	1385.3	1369.7	1343.8	1323.0	1307.5	1302.3
50°	1312.7	1317.8	1343.8	1369.7	1406.0	1411.2	1406.0	1369.7	1343.8	1317.8	1317.8
52.5°	1333.4	1333.4	1364.5	1411.2	1442.4	1452.7	1442.4	1416.4	1364.5	1338.6	1333.4
55°	1338.6	1338.6	1374.9	1432.0	1478.7	1504.6	1478.7	1437.2	1380.1	1343.8	1343.8
57.5°	1307.5	1317.8	1364.5	1421.6	1478.7	1494.3	1478.7	1426.8	1369.7	1323.0	1317.8
60°	1271.2	1286.7	1328.2	1395.7	1437.2	1452.7	1442.4	1395.7	1333.4	1286.7	1281.5
62.5°	1234.8	1255.6	1302.3	1354.2	1416.4	1432.0	1416.4	1354.2	1302.3	1255.6	1234.8
65°	1157.0	1177.8	1245.2	1307.5	1364.5	1374.9	1369.7	1307.5	1245.2	1177.8	1167.4
67.5°	1079.2	1094.7	1141.4	1240.0	1286.7	1302.3	1291.9	1234.8	1146.6	1094.7	1089.6
70°	996.2	1011.7	1053.2	1146.6	1193.3	1219.3	1198.5	1146.6	1053.2	1011.7	1006.5
72.5°	887.2	908.0	954.7	1037.7	1084.4	1110.3	1089.6	1037.7	954.7	902.8	892.4
75°	757.5	773.1	830.1	897.6	944.3	965.0	949.5	902.8	830.1	773.1	767.9
77.5°	617.4	633.0	684.9	752.3	778.3	799.0	783.4	747.1	684.9	633.0	627.8
80°	467.0	482.5	529.2	581.1	607.0	627.8	612.2	575.9	529.2	482.5	477.3
82.5°	306.1	321.7	363.2	404.7	430.6	451.4	435.8	399.5	368.4	321.7	316.5
85°	129.7	145.3	181.6	223.1	243.9	264.6	249.0	217.9	181.6	150.5	145.3
87.5°	10.4	15.6	15.6	20.8	15.6	25.9	15.6	15.6	15.6	15.6	15.6
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)