

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: P832707

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

Issue Date: 5/14/2024

Test Information

Test Method: LM-79-08
Report Number: P832707
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-D3-830-U-MQ-CG
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE
3000K, 80 CRI LEDS AND MEDIUM DISTRIBUTION WITH CLEAR GLASS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6392 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Luminous Opening: Circular (Dia: 0.71' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

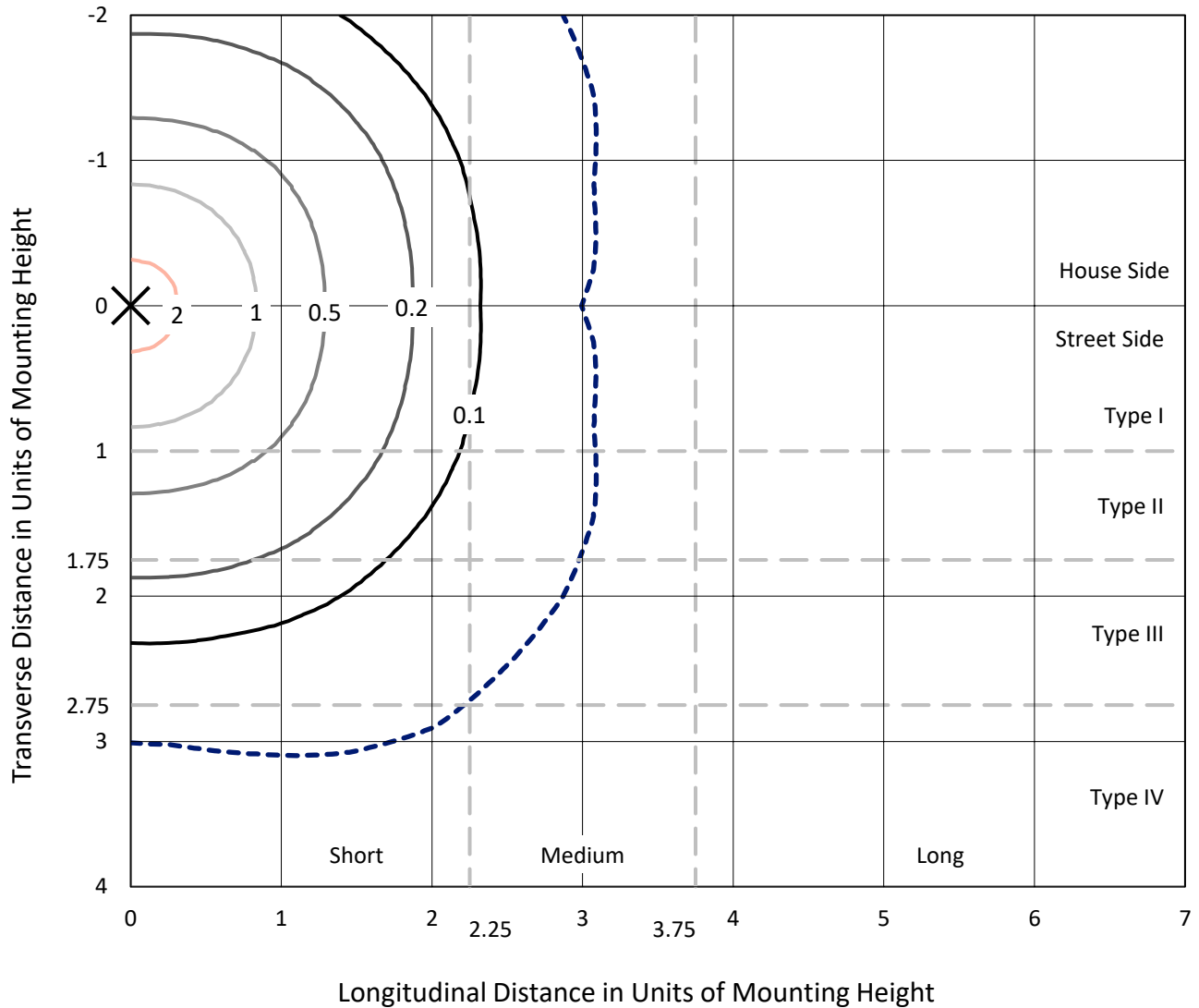
Input Watts (W): 59.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

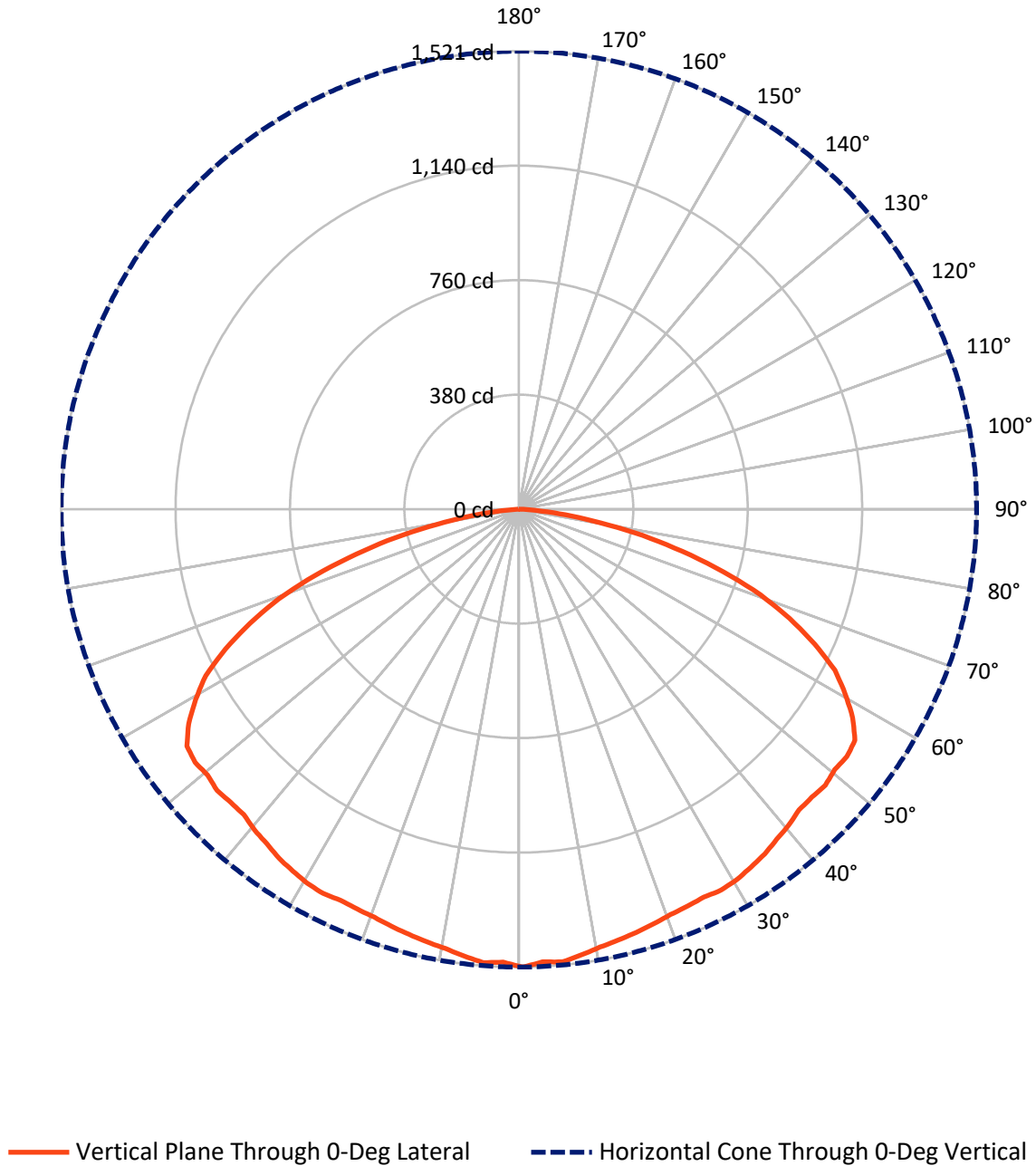
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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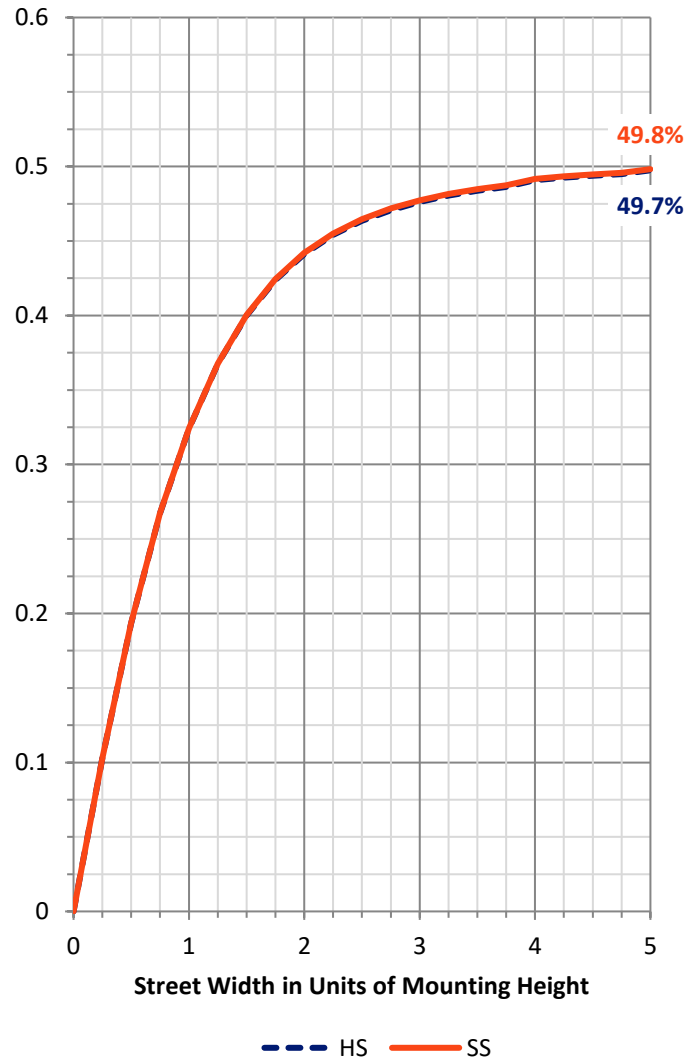
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3196.0	0.0	3196.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3196.0	0.0	3196.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6392.0	0.0	6392.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.8	2.2
10°-20°	413.1	6.5
20°-30°	664.6	10.4
30°-40°	887.8	13.9
40°-50°	1078.6	16.9
50°-60°	1253.3	19.6
60°-70°	1156.3	18.1
70°-80°	676.9	10.6
80°-90°	118.6	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°	6392.0	100.0
0°-180°	6392.0	100.0

Coefficient of Utilization



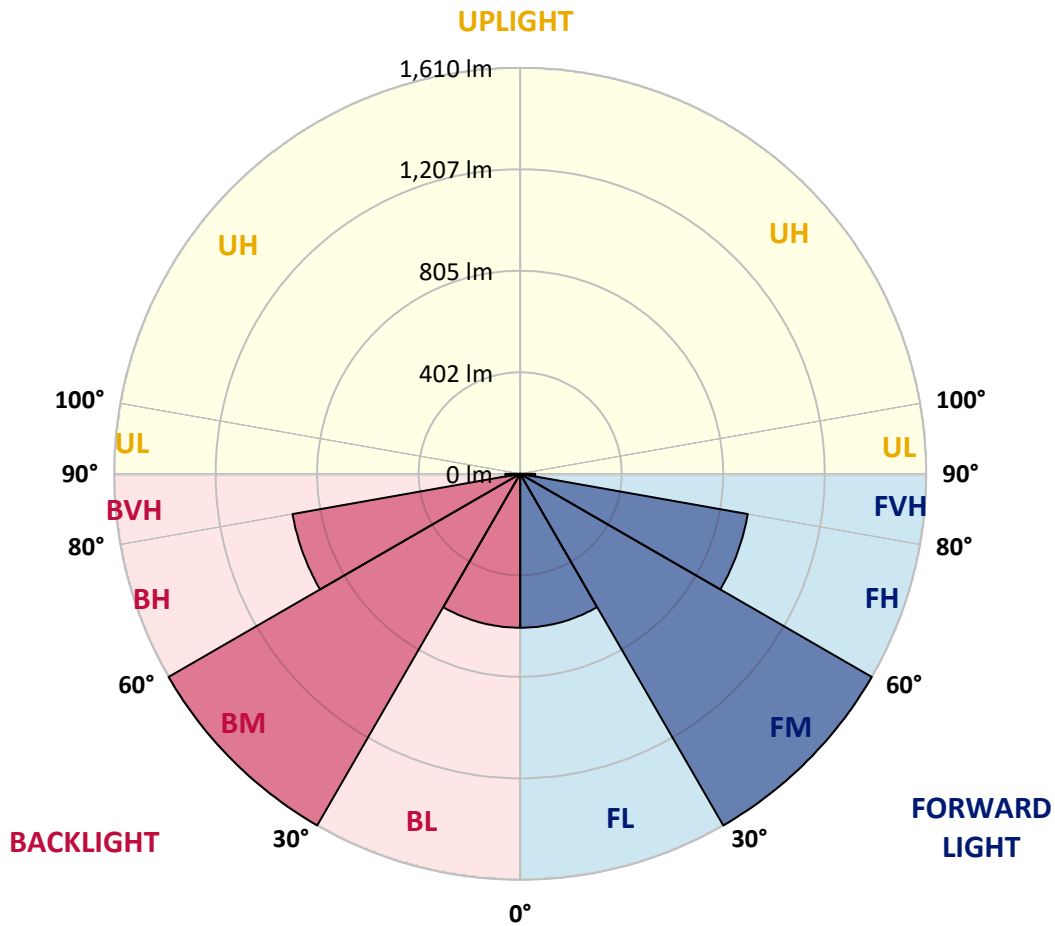
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	610.3	9.5			
FM (30°-60°)	1609.9	25.2			
FH (60°-80°)	916.6	14.3			G1/1800
FVH (80°-90°)	59.3	0.9			G1/100
BL (0°-30°)	610.3	9.5	B2/1000		
BM (30°-60°)	1609.9	25.2	B2/2500		
BH (60°-80°)	916.6	14.3	B2/1000		G1/1800
BVH (80°-90°)	59.3	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°	1520.6	1520.6	1520.6	1520.6	1520.6	1520.6	1520.6	1520.6	1520.6	1520.6	1520.6
2.5°	1505.1	1510.3	1505.1	1505.1	1505.1	1505.1	1505.1	1505.1	1505.1	1505.1	1510.3
5°	1510.3	1510.3	1510.3	1510.3	1505.1	1505.1	1505.1	1505.1	1505.1	1510.3	1510.3
7.5°	1494.7	1494.7	1494.7	1494.7	1494.7	1489.5	1494.7	1494.7	1494.7	1494.7	1494.7
10°	1479.1	1479.1	1479.1	1479.1	1479.1	1479.1	1479.1	1479.1	1479.1	1479.1	1479.1
12.5°	1468.7	1468.7	1468.7	1468.7	1468.7	1468.7	1468.7	1468.7	1468.7	1463.6	1463.6
15°	1458.4	1458.4	1458.4	1458.4	1463.6	1463.6	1458.4	1458.4	1458.4	1458.4	1458.4
17.5°	1448.0	1448.0	1448.0	1448.0	1453.2	1453.2	1453.2	1448.0	1448.0	1448.0	1448.0
20°	1437.6	1437.6	1437.6	1437.6	1442.8	1442.8	1442.8	1442.8	1442.8	1437.6	1437.6
22.5°	1432.4	1432.4	1432.4	1432.4	1437.6	1437.6	1437.6	1437.6	1432.4	1432.4	1432.4
25°	1427.2	1432.4	1432.4	1432.4	1437.6	1442.8	1442.8	1437.6	1432.4	1427.2	1427.2
27.5°	1432.4	1432.4	1432.4	1437.6	1437.6	1442.8	1442.8	1437.6	1432.4	1432.4	1432.4
30°	1427.2	1427.2	1427.2	1432.4	1437.6	1442.8	1437.6	1437.6	1432.4	1427.2	1427.2
32.5°	1416.8	1416.8	1422.0	1427.2	1432.4	1432.4	1432.4	1427.2	1422.0	1416.8	1416.8
35°	1406.5	1406.5	1406.5	1411.7	1422.0	1422.0	1422.0	1416.8	1411.7	1406.5	1401.3
37.5°	1390.9	1396.1	1396.1	1406.5	1411.7	1416.8	1411.7	1406.5	1396.1	1390.9	1390.9
40°	1380.5	1380.5	1385.7	1396.1	1406.5	1406.5	1401.3	1396.1	1385.7	1380.5	1380.5
42.5°	1364.9	1364.9	1375.3	1385.7	1401.3	1401.3	1396.1	1385.7	1375.3	1364.9	1364.9
45°	1364.9	1364.9	1375.3	1396.1	1406.5	1416.8	1406.5	1396.1	1375.3	1364.9	1359.8
47.5°	1370.1	1370.1	1380.5	1406.5	1427.2	1437.6	1422.0	1401.3	1380.5	1370.1	1364.9
50°	1359.8	1364.9	1385.7	1411.7	1437.6	1442.8	1437.6	1406.5	1385.7	1359.8	1359.8
52.5°	1364.9	1364.9	1390.9	1432.4	1458.4	1468.7	1458.4	1432.4	1385.7	1359.8	1359.8
55°	1354.6	1349.4	1385.7	1432.4	1473.9	1494.7	1473.9	1432.4	1380.5	1349.4	1344.2
57.5°	1307.9	1307.9	1354.6	1401.3	1453.2	1463.6	1448.0	1401.3	1349.4	1307.9	1297.5
60°	1245.6	1250.8	1297.5	1349.4	1396.1	1401.3	1390.9	1349.4	1297.5	1250.8	1235.2
62.5°	1178.1	1188.5	1235.2	1287.1	1344.2	1354.6	1339.0	1287.1	1224.8	1193.7	1167.7
65°	1079.5	1095.1	1147.0	1204.1	1266.3	1261.1	1261.1	1198.9	1152.2	1100.3	1074.3
67.5°	970.5	986.1	1022.4	1100.3	1152.2	1147.0	1141.8	1100.3	1022.4	986.1	970.5
70°	851.1	861.5	897.9	975.7	1022.4	1027.6	1012.0	970.5	897.9	871.9	846.0
72.5°	711.0	716.2	768.1	830.4	877.1	871.9	866.7	830.4	762.9	737.0	705.8
75°	560.5	565.7	612.4	669.5	705.8	700.6	695.4	669.5	612.4	581.3	555.3
77.5°	420.4	415.2	461.9	503.4	524.2	529.4	519.0	498.2	456.7	430.8	415.2
80°	275.1	269.9	311.4	342.5	358.1	358.1	352.9	337.3	306.2	285.4	275.1
82.5°	155.7	150.5	176.5	197.2	212.8	207.6	202.4	192.0	176.5	160.9	150.5
85°	57.1	57.1	72.7	83.0	93.4	93.4	88.2	83.0	67.5	62.3	57.1
87.5°	5.2	5.2	10.4	15.6	15.6	15.6	10.4	10.4	5.2	5.2	5.2
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)