

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: P887826

Luminaire Tested: **TT-D4-830-U-WQ-TC**

Issue Date: 10/9/2024

Test Information

Test Method: LM-79-08
Report Number: P887826
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-238-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/9/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-D4-830-U-WQ-TC
Description: WQ
3000K, 80 CRI LEDS, WIDE DISTRIBUTION AND TOTALCOMFORT ACCESSORY
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5819 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 57.6
Input Voltage (V): 120.0
Input Current (Ain): 0.48
Voltage Rise (V): NR
Power Factor: 0.994
Total Harmonic Distortion (THDi): 10.3%
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT



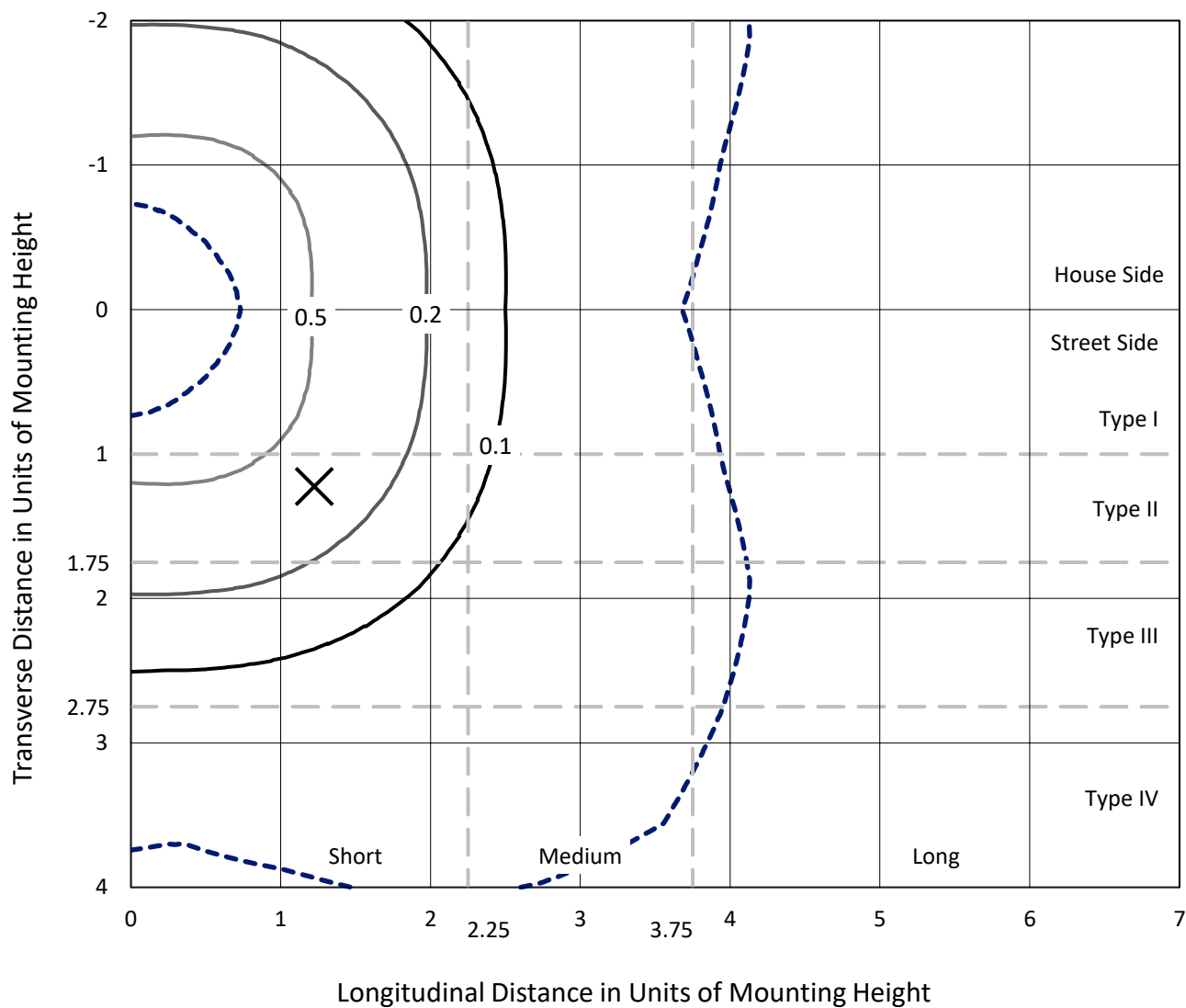
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

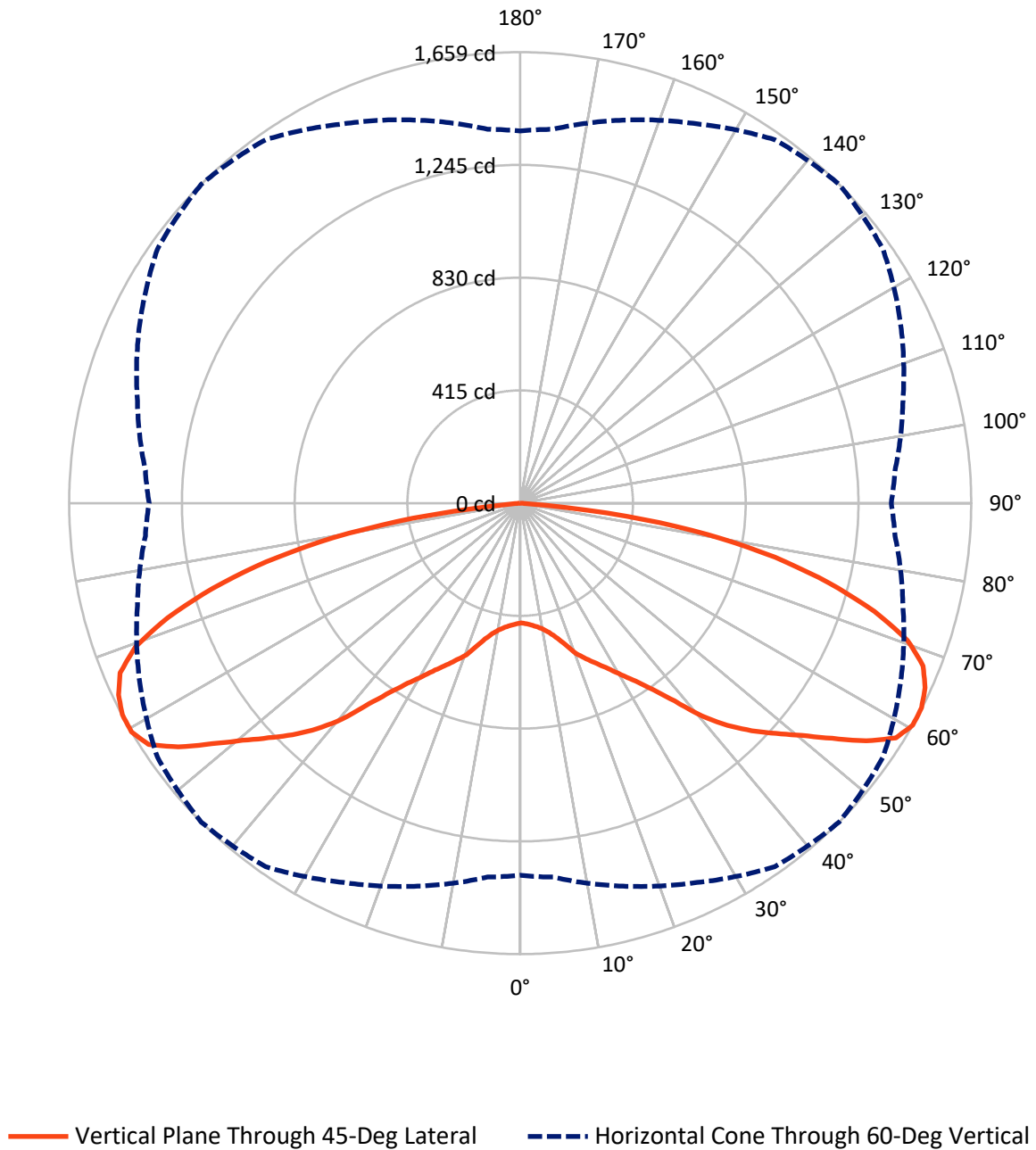


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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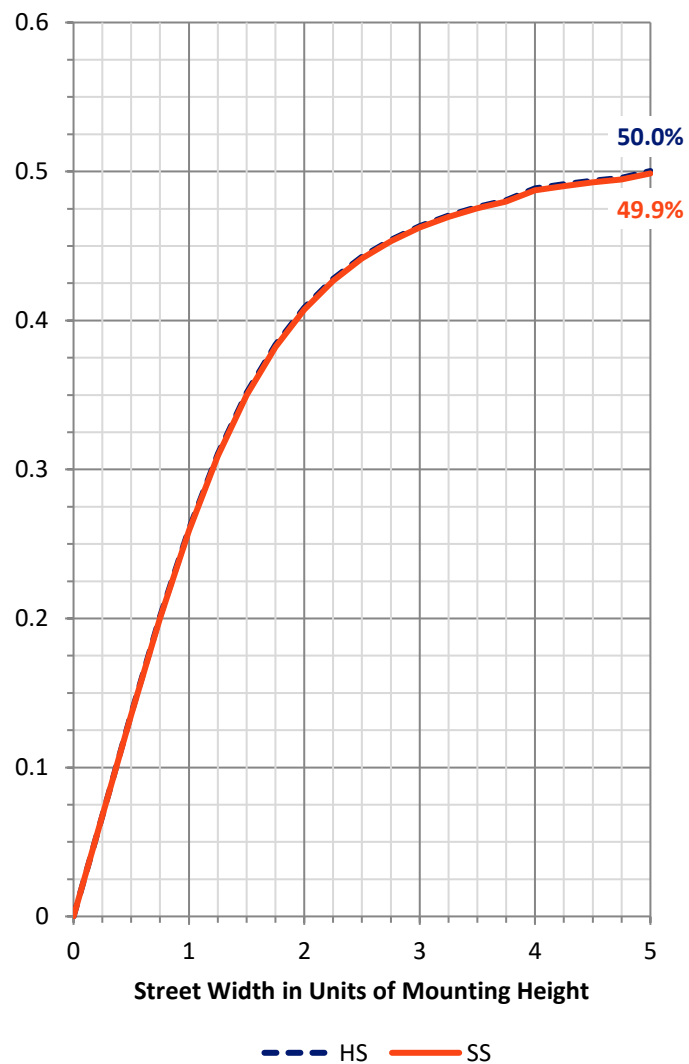
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2909.5	0.0	2909.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2909.5	0.0	2909.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5819.0	0.0	5819.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.8	0.8
10°-20°	149.1	2.6
20°-30°	302.7	5.2
30°-40°	528.0	9.1
40°-50°	881.7	15.2
50°-60°	1277.4	22.0
60°-70°	1453.7	25.0
70°-80°	1034.5	17.8
80°-90°	148.0	2.5
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°	5819.0	100.0
0°-180°	5819.0	100.0

Coefficient of Utilization



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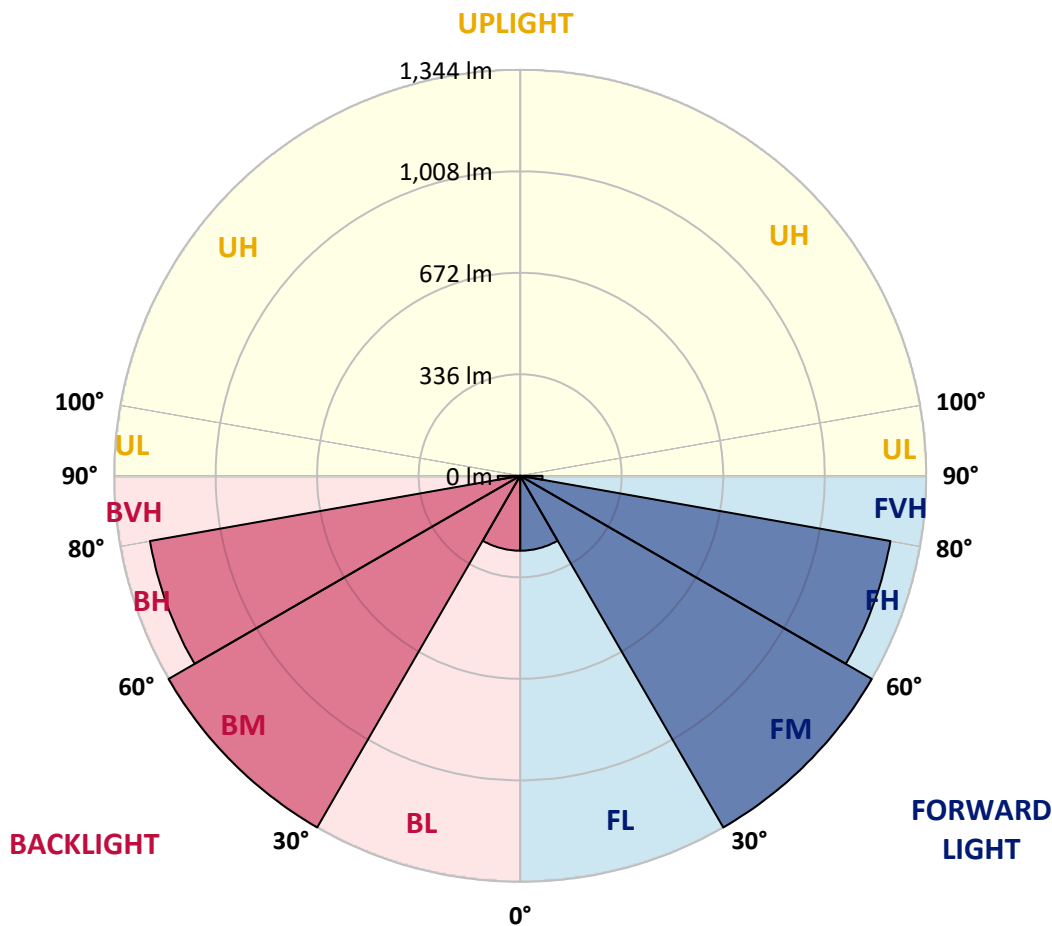
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	247.8	4.3			
FM	(30°-60°)	1343.6	23.1			
FH	(60°-80°)	1244.1	21.4			G1/1800
FVH	(80°-90°)	74.0	1.3			G1/100
BL	(0°-30°)	247.8	4.3	B1/500		
BM	(30°-60°)	1343.6	23.1	B2/2500		
BH	(60°-80°)	1244.1	21.4	B3/2500		G1/1800
BVH	(80°-90°)	74.0	1.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5
2.5°	445.8	445.8	445.8	445.8	445.8	444.7	444.7	445.8	445.8	445.8	446.9
5°	451.1	452.2	451.1	452.2	451.1	451.1	451.1	452.2	452.2	452.2	452.2
7.5°	459.7	459.7	458.6	459.7	458.6	459.7	459.7	460.7	460.7	460.7	460.7
10°	473.5	473.5	473.5	473.5	472.5	472.5	473.5	474.6	475.7	475.7	475.7
12.5°	491.6	491.6	491.6	493.8	491.6	490.6	490.6	492.7	493.8	492.7	491.6
15°	513.0	513.0	514.0	516.2	516.2	516.2	515.1	515.1	516.2	514.0	513.0
17.5°	541.8	541.8	541.8	546.0	549.2	550.3	547.1	545.0	545.0	542.8	540.7
20°	579.1	580.2	580.2	584.4	589.8	591.9	588.7	584.4	583.4	580.2	579.1
22.5°	610.0	612.2	613.2	616.4	620.7	621.8	621.8	617.5	616.4	614.3	610.0
25°	639.9	642.0	643.1	649.5	653.8	653.8	654.8	649.5	647.4	644.2	639.9
27.5°	672.9	672.9	674.0	682.5	690.0	688.9	688.9	684.7	680.4	675.1	674.0
30°	708.1	710.3	710.3	720.9	729.5	732.7	728.4	724.1	717.7	712.4	709.2
32.5°	748.7	749.7	754.0	768.9	777.5	780.7	778.5	771.1	760.4	755.1	751.9
35°	794.5	795.6	806.3	826.5	839.3	842.5	842.5	827.6	813.7	802.0	796.7
37.5°	858.5	861.7	878.8	904.4	928.9	923.6	932.1	905.4	884.1	868.1	860.6
40°	938.5	941.7	967.3	996.1	1029.2	1030.2	1033.4	997.2	969.4	949.2	940.6
42.5°	998.2	1007.8	1039.8	1077.1	1105.9	1117.7	1111.3	1078.2	1040.9	1015.3	1005.7
45°	1061.1	1070.7	1109.1	1150.7	1181.7	1194.5	1183.8	1151.8	1112.3	1079.3	1067.5
47.5°	1124.1	1133.7	1173.1	1219.0	1257.4	1265.9	1259.5	1221.1	1175.3	1139.0	1127.3
50°	1185.9	1197.7	1236.1	1293.6	1336.3	1342.7	1338.4	1294.7	1237.1	1199.8	1192.3
52.5°	1240.3	1258.4	1315.0	1373.6	1431.2	1437.6	1434.4	1372.6	1307.5	1259.5	1238.2
55°	1306.4	1318.2	1376.8	1472.8	1520.8	1544.3	1528.3	1466.4	1379.0	1324.6	1308.6
57.5°	1365.1	1375.8	1431.2	1524.0	1596.5	1629.6	1602.9	1525.1	1433.3	1372.6	1368.3
60°	1369.4	1381.1	1458.9	1540.0	1632.8	1659.4	1629.6	1545.3	1457.9	1384.3	1365.1
62.5°	1344.8	1359.8	1434.4	1556.0	1641.3	1657.3	1632.8	1546.4	1439.7	1367.2	1345.9
65°	1341.6	1348.0	1413.1	1540.0	1605.1	1637.0	1606.1	1534.7	1419.5	1350.2	1332.0
67.5°	1261.6	1259.5	1347.0	1460.0	1563.5	1598.7	1560.3	1462.1	1354.4	1270.2	1248.8
70°	1156.1	1150.7	1237.1	1361.9	1465.3	1511.2	1463.2	1366.2	1247.8	1159.3	1143.3
72.5°	1015.3	1005.7	1094.2	1227.5	1326.7	1363.0	1324.6	1231.8	1105.9	1021.7	997.2
75°	832.9	820.1	918.2	1046.2	1136.9	1175.3	1131.5	1059.0	934.2	847.9	814.8
77.5°	623.9	606.8	699.6	832.9	912.9	958.8	911.8	843.6	720.9	635.6	609.0
80°	401.0	378.6	453.3	586.6	655.9	700.7	647.4	591.9	473.5	403.1	383.9
82.5°	163.2	144.0	193.0	290.1	344.5	396.7	341.3	293.3	206.9	161.0	148.2
85°	11.7	6.4	9.6	11.7	9.6	18.1	7.5	9.6	8.5	8.5	8.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)