

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: P887824

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

Issue Date: 10/9/2024

Test Information

Test Method: LM-79-08
Report Number: P887824
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-238-2)
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-MQ-TC
Description: MQ
3000K, 80 CRI LEDS, MEDIUM DISTRIBUTION AND TOTALCOMFORT ACCESSORY
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5925 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - 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



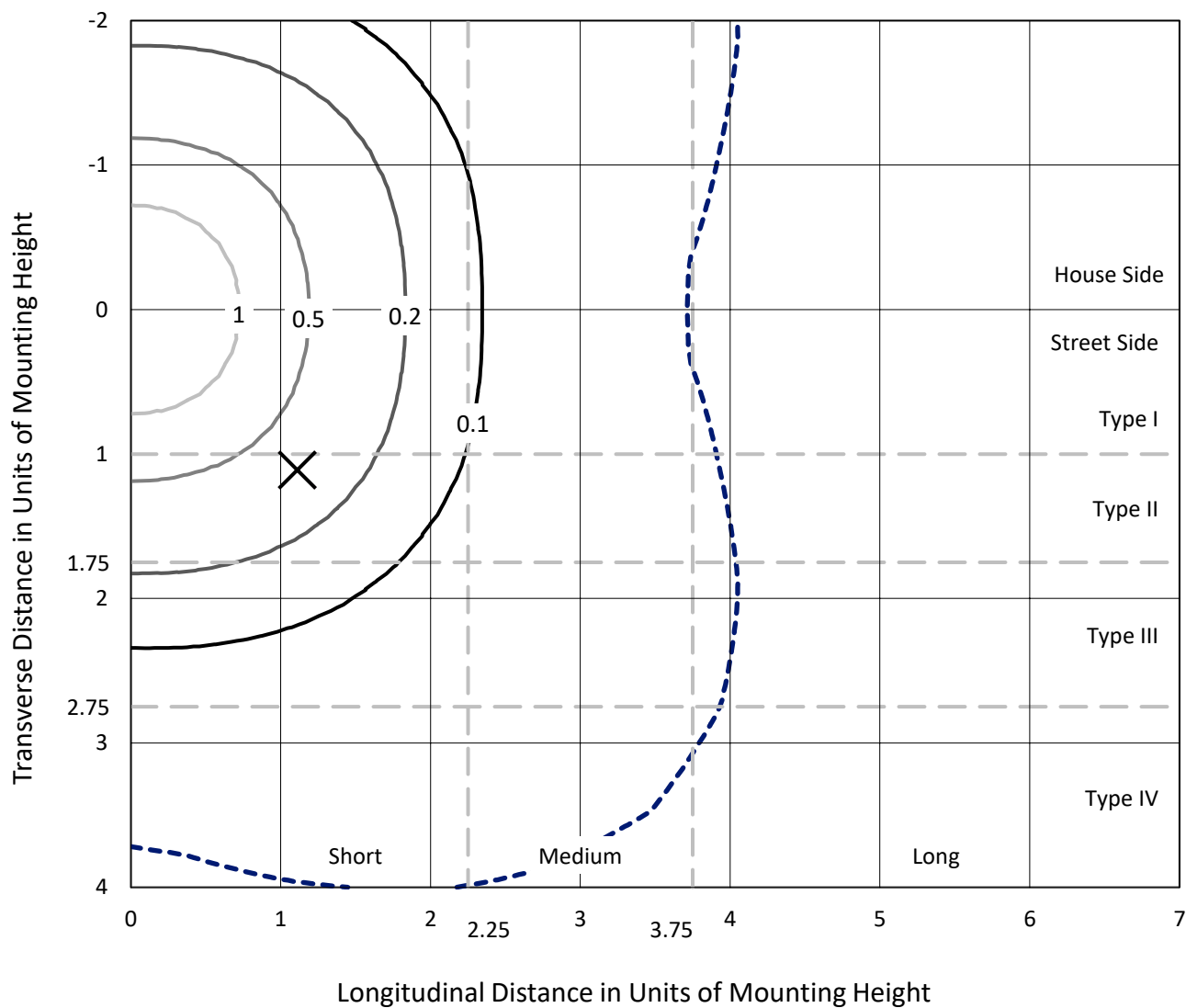
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

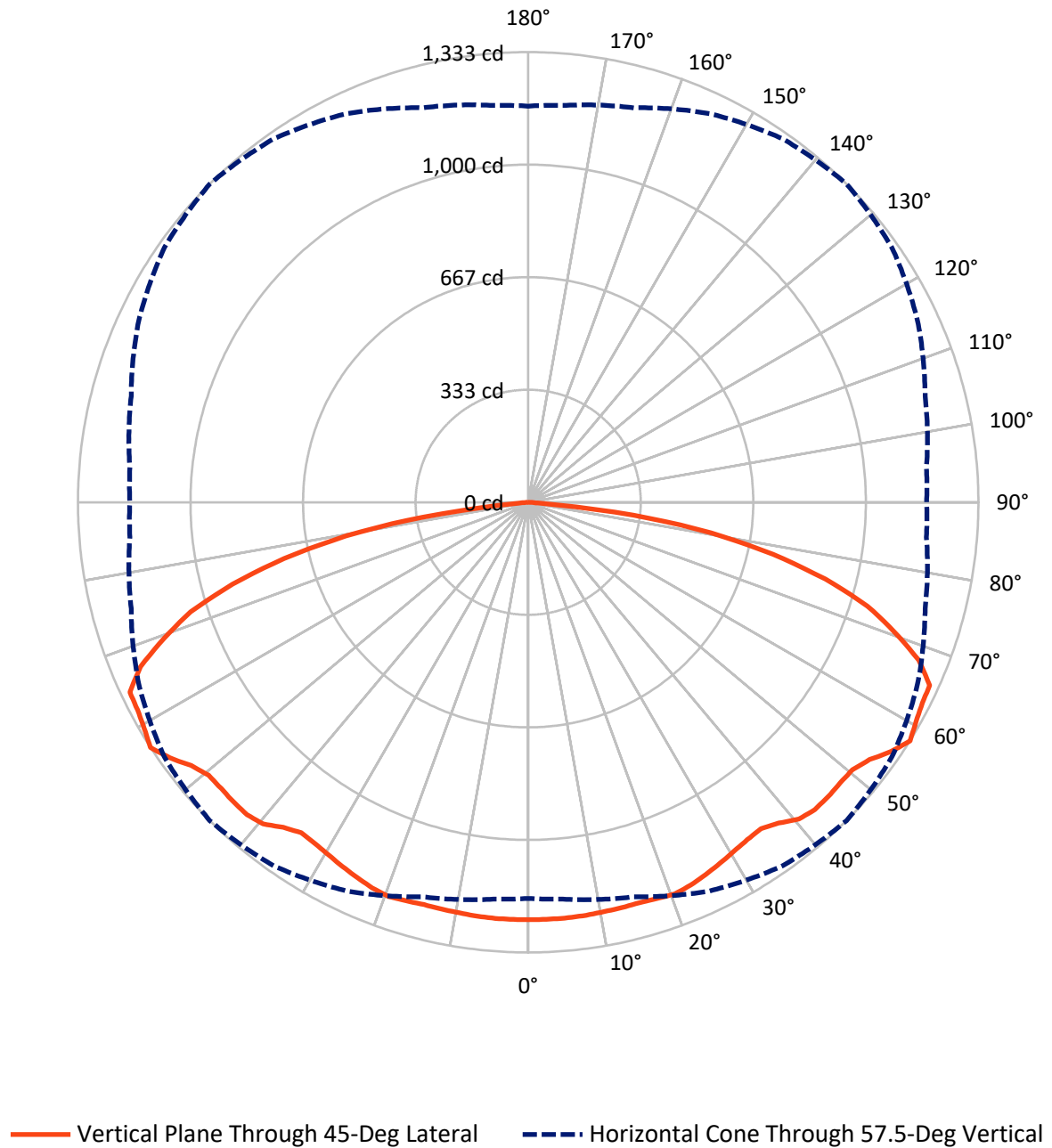


Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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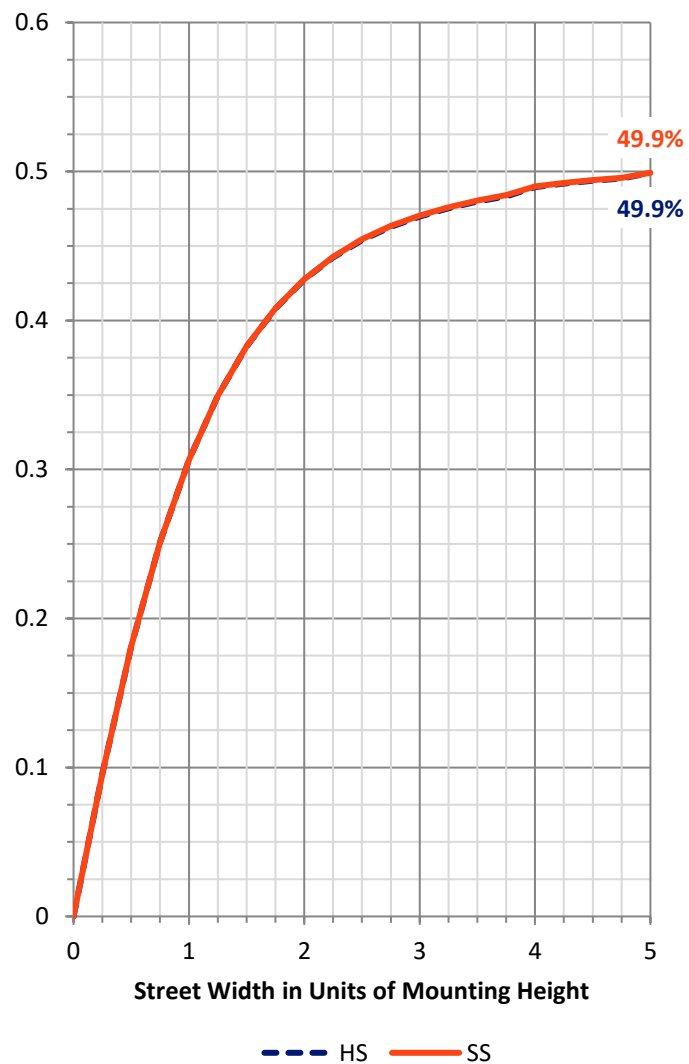
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2962.5	0.0	2962.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2962.5	0.0	2962.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5925.0	0.0	5925.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.9	2.0
10°-20°	349.2	5.9
20°-30°	562.9	9.5
30°-40°	747.1	12.6
40°-50°	938.4	15.8
50°-60°	1106.6	18.7
60°-70°	1161.6	19.6
70°-80°	816.5	13.8
80°-90°	124.9	2.1
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°	5925.0	100.0
0°-180°	5925.0	100.0

Coefficient of Utilization



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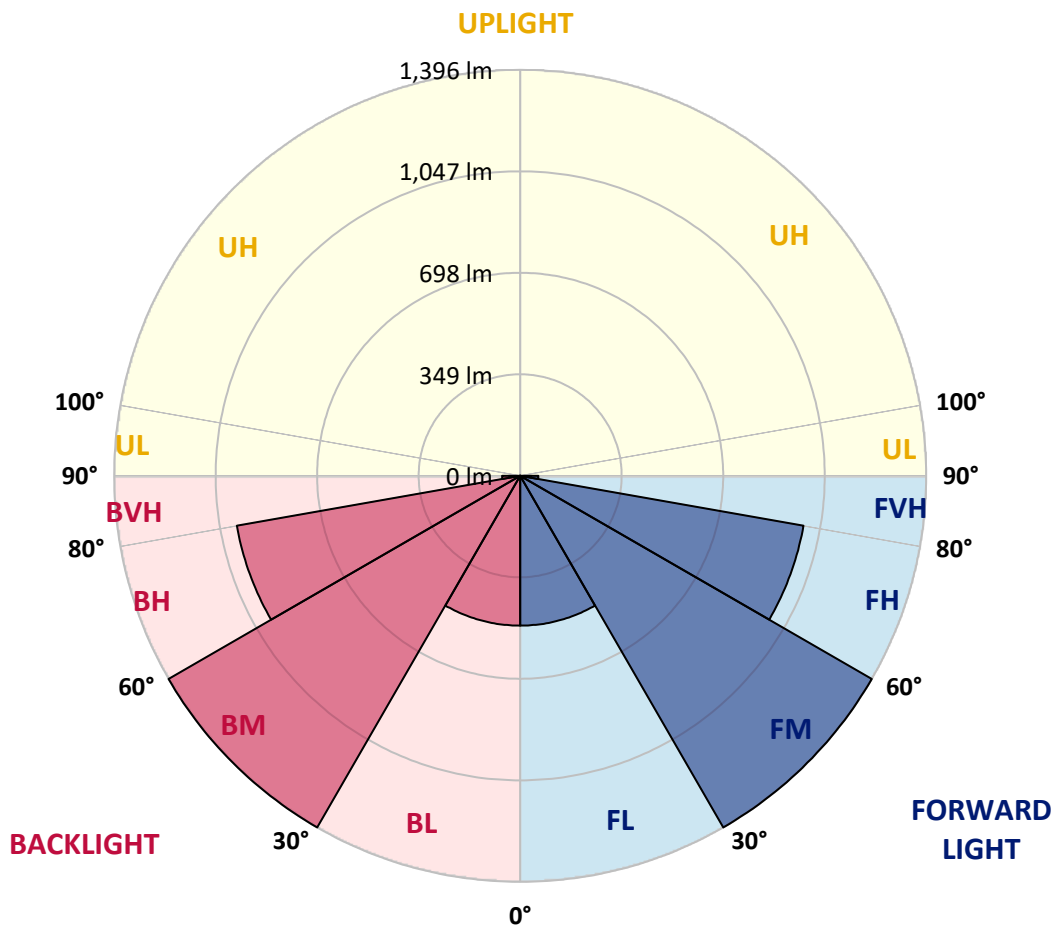
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	515.0	8.7			
FM	(30°-60°)	1396.0	23.6			
FH	(60°-80°)	989.0	16.7			G1/1800
FVH	(80°-90°)	62.4	1.1			G1/100
BL	(0°-30°)	515.0	8.7	B2/1000		
BM	(30°-60°)	1396.0	23.6	B2/2500		
BH	(60°-80°)	989.0	16.7	B2/1000		G1/1800
BVH	(80°-90°)	62.4	1.1			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°	1236.2	1236.2	1236.2	1236.2	1236.2	1236.2	1236.2	1236.2	1236.2	1236.2	1236.2
2.5°	1237.3	1237.3	1237.3	1236.2	1235.1	1236.2	1235.1	1236.2	1236.2	1236.2	1237.3
5°	1237.3	1237.3	1237.3	1236.2	1236.2	1236.2	1236.2	1236.2	1236.2	1236.2	1236.2
7.5°	1236.2	1236.2	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1
10°	1235.1	1235.1	1234.1	1234.1	1233.0	1233.0	1233.0	1234.1	1234.1	1234.1	1234.1
12.5°	1231.9	1233.0	1233.0	1231.9	1231.9	1231.9	1230.9	1231.9	1231.9	1230.9	1230.9
15°	1229.8	1230.9	1230.9	1230.9	1230.9	1230.9	1229.8	1230.9	1229.8	1229.8	1229.8
17.5°	1229.8	1229.8	1230.9	1231.9	1233.0	1234.1	1231.9	1231.9	1229.8	1228.7	1228.7
20°	1231.9	1231.9	1233.0	1234.1	1237.3	1238.3	1237.3	1234.1	1233.0	1230.9	1230.9
22.5°	1225.5	1226.6	1227.7	1227.7	1229.8	1231.9	1230.9	1228.7	1226.6	1225.5	1225.5
25°	1217.0	1217.0	1217.0	1219.1	1221.3	1221.3	1220.2	1219.1	1217.0	1215.9	1215.9
27.5°	1205.3	1204.2	1205.3	1207.4	1209.5	1210.6	1209.5	1208.5	1205.3	1205.3	1204.2
30°	1192.5	1191.4	1193.5	1195.7	1198.9	1199.9	1198.9	1196.7	1193.5	1192.5	1191.4
32.5°	1179.7	1179.7	1181.8	1185.0	1189.3	1191.4	1189.3	1187.1	1181.8	1179.7	1179.7
35°	1167.9	1167.9	1173.3	1179.7	1185.0	1187.1	1185.0	1181.8	1175.4	1170.1	1170.1
37.5°	1169.0	1171.1	1178.6	1193.5	1202.1	1205.3	1203.1	1193.5	1182.9	1174.3	1171.1
40°	1185.0	1187.1	1199.9	1214.9	1228.7	1234.1	1229.8	1217.0	1202.1	1189.3	1187.1
42.5°	1186.1	1187.1	1202.1	1221.3	1237.3	1244.7	1239.4	1223.4	1205.3	1190.3	1188.2
45°	1177.5	1180.7	1197.8	1220.2	1237.3	1244.7	1237.3	1223.4	1201.0	1183.9	1182.9
47.5°	1169.0	1171.1	1190.3	1214.9	1235.1	1242.6	1236.2	1217.0	1192.5	1174.3	1173.3
50°	1162.6	1164.7	1181.8	1213.8	1236.2	1244.7	1237.3	1217.0	1187.1	1169.0	1167.9
52.5°	1160.5	1162.6	1190.3	1224.5	1258.6	1266.1	1257.5	1226.6	1194.6	1166.9	1166.9
55°	1165.8	1166.9	1204.2	1255.4	1287.4	1303.4	1289.5	1256.5	1211.7	1175.4	1171.1
57.5°	1173.3	1179.7	1209.5	1270.3	1314.1	1333.3	1315.1	1272.5	1217.0	1183.9	1179.7
60°	1147.7	1157.3	1198.9	1251.1	1301.3	1319.4	1304.5	1257.5	1198.9	1156.2	1155.1
62.5°	1101.8	1106.1	1162.6	1228.7	1286.3	1309.8	1289.5	1238.3	1166.9	1122.1	1116.7
65°	1089.0	1094.3	1134.9	1217.0	1276.7	1306.6	1286.3	1223.4	1141.3	1093.3	1089.0
67.5°	1011.1	1022.9	1081.5	1154.1	1221.3	1246.9	1227.7	1172.2	1081.5	1022.9	1014.3
70°	918.3	932.2	987.7	1067.7	1124.2	1150.9	1127.4	1082.6	986.6	930.1	920.5
72.5°	810.6	819.2	883.2	948.2	1018.6	1050.6	1020.7	963.1	880.0	811.7	807.4
75°	662.4	677.3	748.8	808.5	874.6	908.8	886.4	819.2	740.2	666.6	661.3
77.5°	506.6	512.0	585.6	654.9	710.4	741.3	723.2	659.2	578.1	505.6	499.2
80°	336.0	340.2	398.9	461.8	515.2	549.3	528.0	470.4	381.8	329.6	322.1
82.5°	145.1	148.3	183.5	236.8	284.8	314.6	297.6	243.2	168.5	136.5	129.1
85°	11.7	10.7	11.7	13.9	13.9	28.8	24.5	21.3	8.5	10.7	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)