

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: P887704

Luminaire Tested: **TT-D3-735-U-MQ-TC**

Issue Date: 10/9/2024

Test Information

Test Method: LM-79-08
Report Number: P887704
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-D3-735-U-MQ-TC
Description: MQ
3500K, 70 CRI LEDS, MEDIUM DISTRIBUTION AND TOTALCOMFORT ACCESSORY
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5266 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

Input Watts (W): 47.2
Input Voltage (V): 120.0
Input Current (Ain): 0.39
Voltage Rise (V): NR
Power Factor: 0.989
Total Harmonic Distortion (THDi): 12.9%
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT



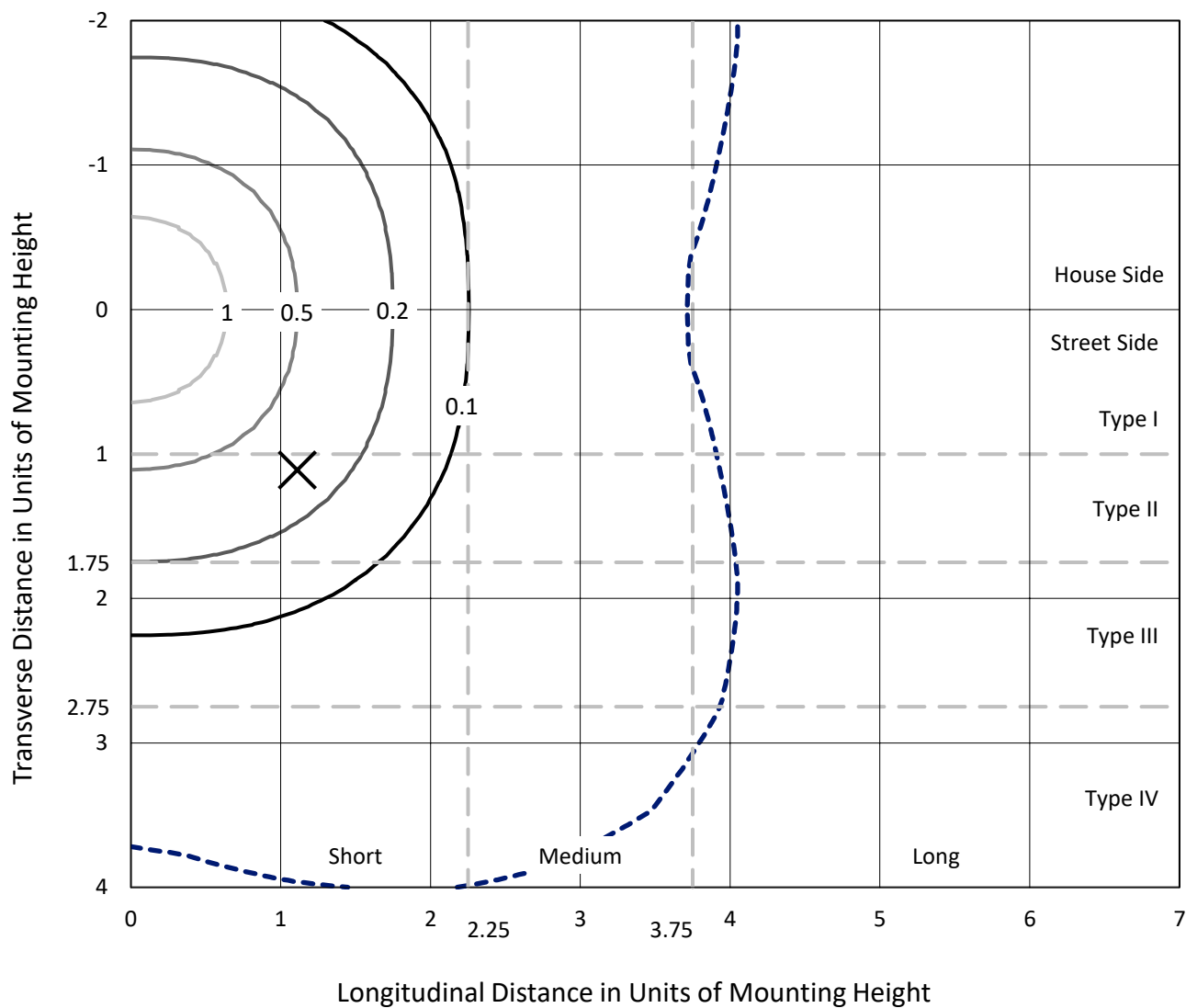
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

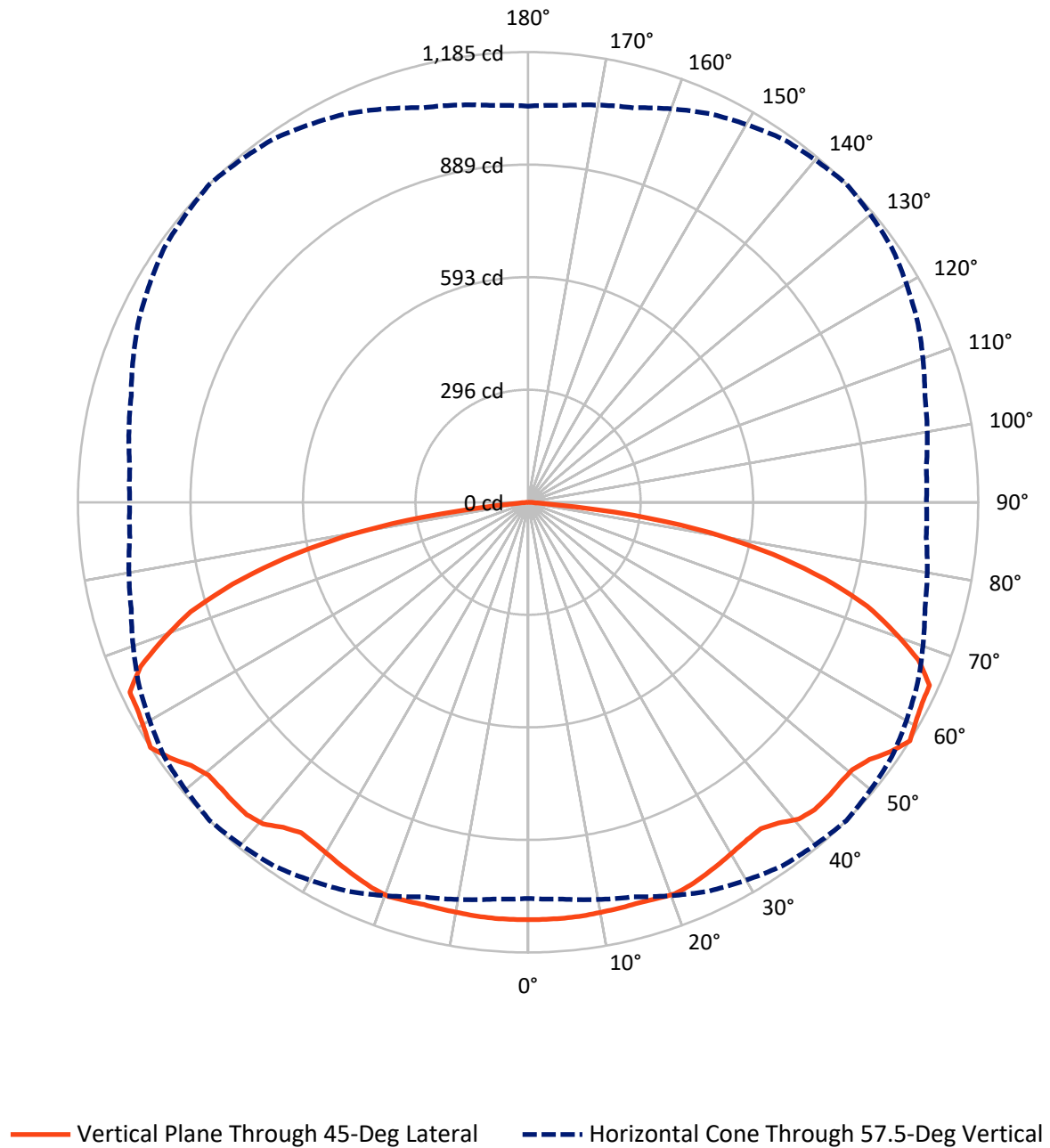


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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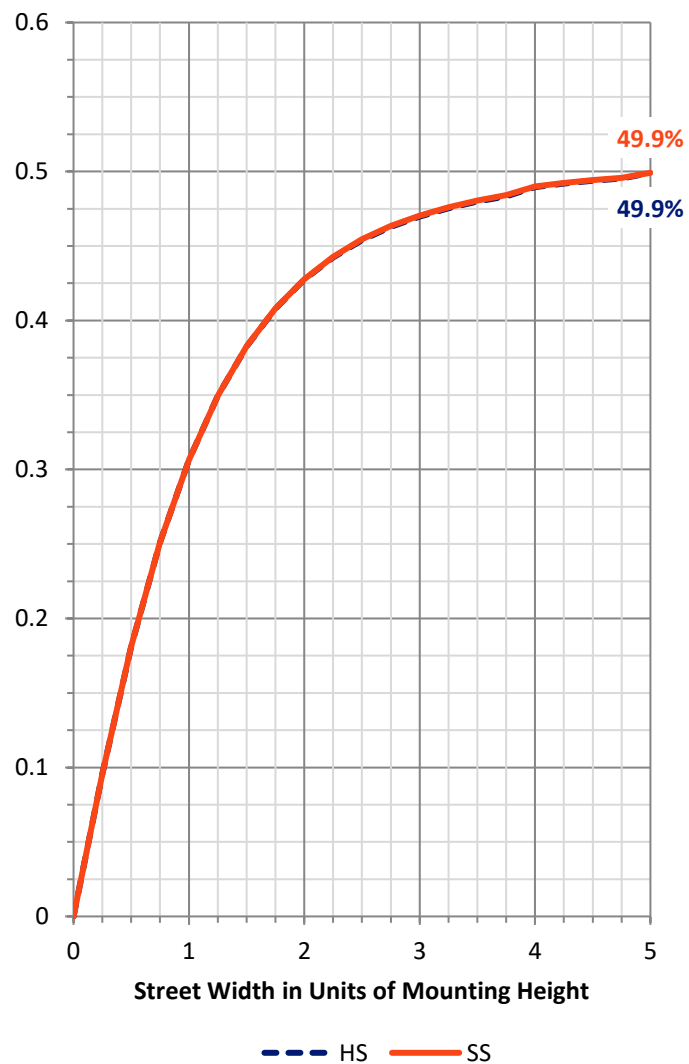
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2633.0	0.0	2633.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2633.0	0.0	2633.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5266.0	0.0	5266.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.8	2.0
10°-20°	310.4	5.9
20°-30°	500.3	9.5
30°-40°	664.0	12.6
40°-50°	834.0	15.8
50°-60°	983.5	18.7
60°-70°	1032.4	19.6
70°-80°	725.6	13.8
80°-90°	111.0	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°	5266.0	100.0
0°-180°	5266.0	100.0

Coefficient of Utilization



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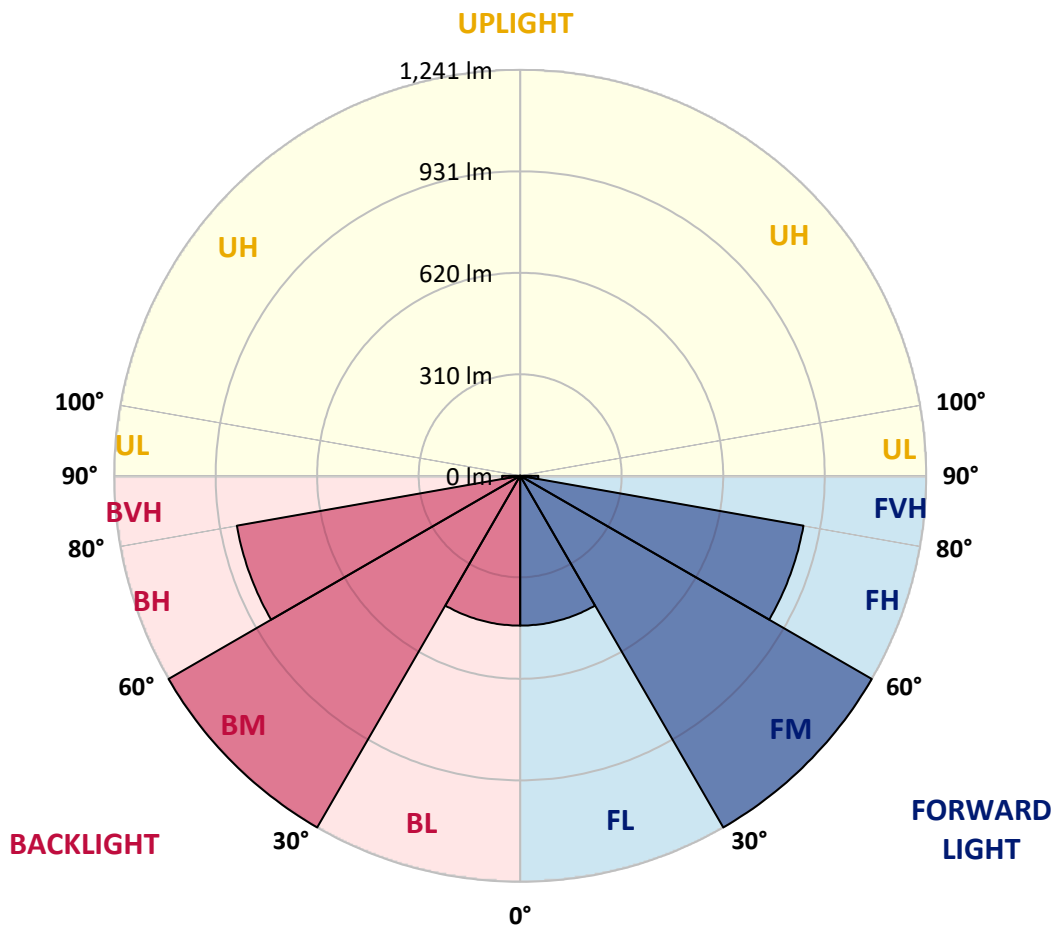
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	457.7	8.7			
FM	(30°-60°)	1240.7	23.6			
FH	(60°-80°)	879.0	16.7			G1/1800
FVH	(80°-90°)	55.5	1.1			G1/100
BL	(0°-30°)	457.7	8.7	B1/500		
BM	(30°-60°)	1240.7	23.6	B2/2500		
BH	(60°-80°)	879.0	16.7	B2/1000		G1/1800
BVH	(80°-90°)	55.5	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°	1098.7	1098.7	1098.7	1098.7	1098.7	1098.7	1098.7	1098.7	1098.7	1098.7	1098.7
2.5°	1099.7	1099.7	1099.7	1098.7	1097.8	1098.7	1097.8	1098.7	1098.7	1098.7	1099.7
5°	1099.7	1099.7	1099.7	1098.7	1098.7	1098.7	1098.7	1098.7	1098.7	1098.7	1098.7
7.5°	1098.7	1098.7	1097.8	1097.8	1097.8	1097.8	1097.8	1097.8	1097.8	1097.8	1097.8
10°	1097.8	1097.8	1096.8	1096.8	1095.9	1095.9	1095.9	1096.8	1096.8	1096.8	1096.8
12.5°	1094.9	1095.9	1095.9	1094.9	1094.9	1094.9	1094.0	1094.9	1094.9	1094.0	1094.0
15°	1093.0	1094.0	1094.0	1094.0	1094.0	1094.0	1093.0	1094.0	1093.0	1093.0	1093.0
17.5°	1093.0	1093.0	1094.0	1094.9	1095.9	1096.8	1094.9	1094.9	1093.0	1092.1	1092.1
20°	1094.9	1094.9	1095.9	1096.8	1099.7	1100.6	1099.7	1096.8	1095.9	1094.0	1094.0
22.5°	1089.2	1090.2	1091.1	1091.1	1093.0	1094.9	1094.0	1092.1	1090.2	1089.2	1089.2
25°	1081.6	1081.6	1081.6	1083.5	1085.4	1085.4	1084.5	1083.5	1081.6	1080.7	1080.7
27.5°	1071.2	1070.3	1071.2	1073.1	1075.0	1076.0	1075.0	1074.1	1071.2	1071.2	1070.3
30°	1059.8	1058.9	1060.8	1062.7	1065.5	1066.5	1065.5	1063.6	1060.8	1059.8	1058.9
32.5°	1048.5	1048.5	1050.4	1053.2	1057.0	1058.9	1057.0	1055.1	1050.4	1048.5	1048.5
35°	1038.0	1038.0	1042.8	1048.5	1053.2	1055.1	1053.2	1050.4	1044.7	1039.9	1039.9
37.5°	1039.0	1040.9	1047.5	1060.8	1068.4	1071.2	1069.3	1060.8	1051.3	1043.7	1040.9
40°	1053.2	1055.1	1066.5	1079.7	1092.1	1096.8	1093.0	1081.6	1068.4	1057.0	1055.1
42.5°	1054.1	1055.1	1068.4	1085.4	1099.7	1106.3	1101.5	1087.3	1071.2	1057.9	1056.0
45°	1046.6	1049.4	1064.6	1084.5	1099.7	1106.3	1099.7	1087.3	1067.4	1052.3	1051.3
47.5°	1039.0	1040.9	1057.9	1079.7	1097.8	1104.4	1098.7	1081.6	1059.8	1043.7	1042.8
50°	1033.3	1035.2	1050.4	1078.8	1098.7	1106.3	1099.7	1081.6	1055.1	1039.0	1038.0
52.5°	1031.4	1033.3	1057.9	1088.3	1118.6	1125.2	1117.7	1090.2	1061.7	1037.1	1037.1
55°	1036.1	1037.1	1070.3	1115.8	1144.2	1158.4	1146.1	1116.7	1076.9	1044.7	1040.9
57.5°	1042.8	1048.5	1075.0	1129.0	1167.9	1185.0	1168.9	1130.9	1081.6	1052.3	1048.5
60°	1020.0	1028.6	1065.5	1112.0	1156.5	1172.6	1159.4	1117.7	1065.5	1027.6	1026.7
62.5°	979.3	983.1	1033.3	1092.1	1143.3	1164.1	1146.1	1100.6	1037.1	997.3	992.5
65°	967.9	972.6	1008.6	1081.6	1134.7	1161.3	1143.3	1087.3	1014.3	971.7	967.9
67.5°	898.7	909.1	961.2	1025.7	1085.4	1108.2	1091.1	1041.8	961.2	909.1	901.5
70°	816.2	828.5	877.8	948.9	999.2	1022.9	1002.0	962.2	876.9	826.6	818.1
72.5°	720.5	728.0	784.9	842.8	905.3	933.8	907.2	856.0	782.1	721.4	717.6
75°	588.7	602.0	665.5	718.6	777.3	807.7	787.8	728.0	657.9	592.5	587.7
77.5°	450.3	455.0	520.4	582.1	631.4	658.8	642.7	585.8	513.8	449.3	443.7
80°	298.6	302.4	354.5	410.5	457.9	488.2	469.2	418.1	339.4	292.9	286.3
82.5°	128.9	131.8	163.1	210.5	253.1	279.7	264.5	216.1	149.8	121.3	114.7
85°	10.4	9.5	10.4	12.3	12.3	25.6	21.8	19.0	7.6	9.5	7.6
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)