

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: P887794

Luminaire Tested: **TT-D4-735-U-MQ-TC**

Issue Date: 10/9/2024

Test Information

Test Method: LM-79-08
Report Number: P887794
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-D4-735-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: 6268 lumens
Efficiency: N/A
Efficacy: 108.8 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

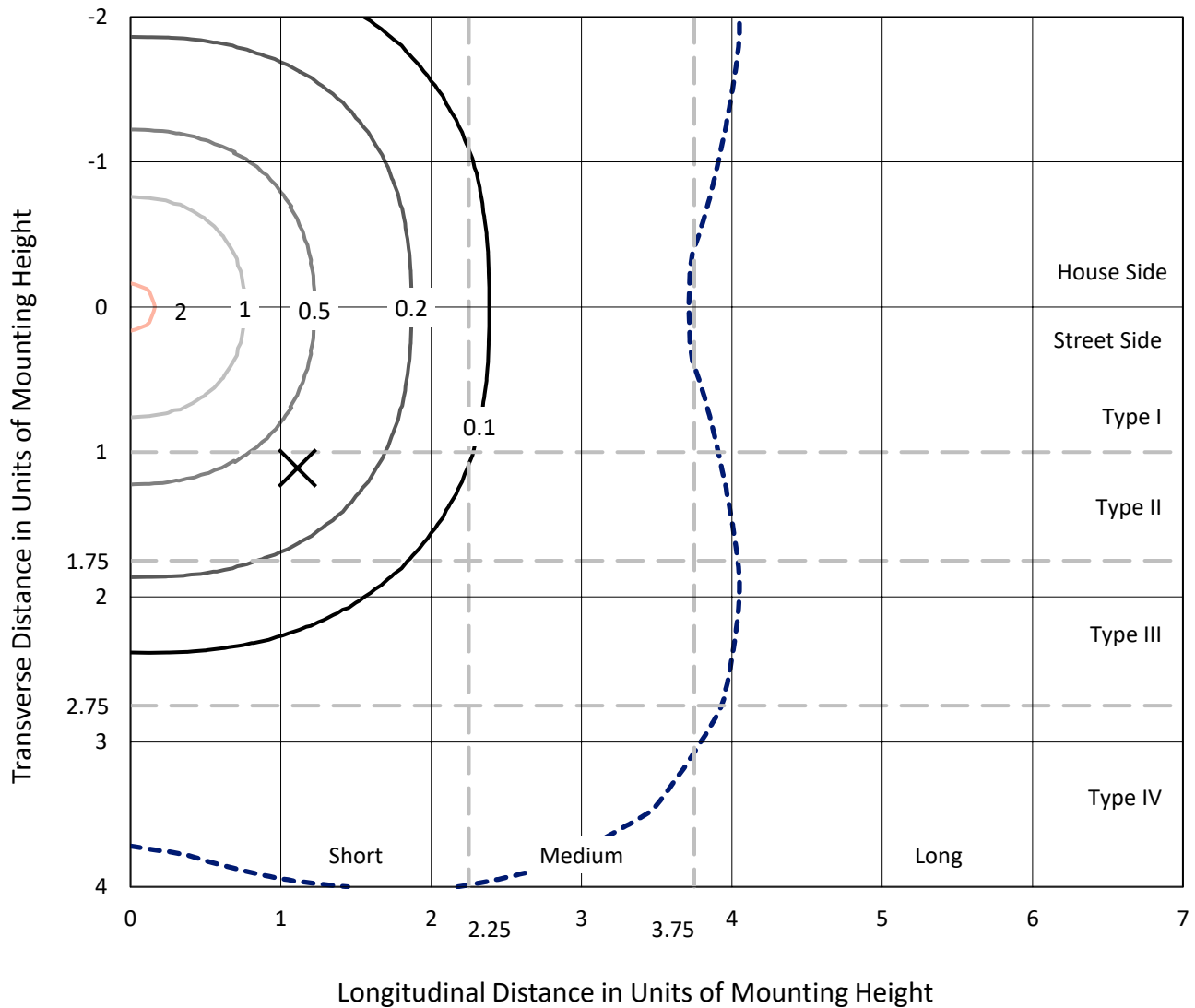


REPORT NUMBER: P887794

CATALOG NUMBER: TT-D4-735-U-MQ-TC

Iso-Footcandle Lines of Horizontal Illumination

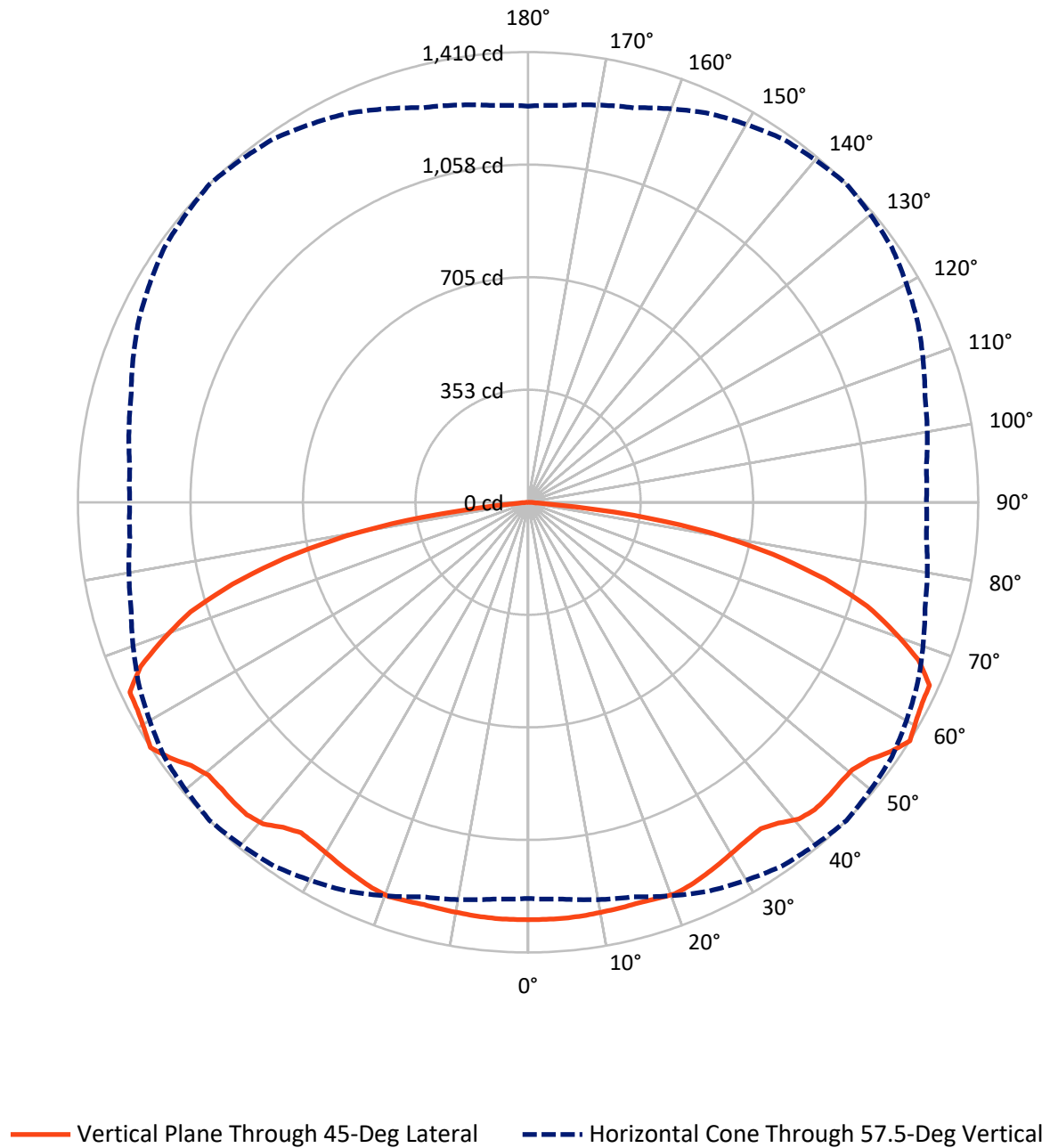
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type V - Short - N/A

REPORT NUMBER: P887794
CATALOG NUMBER: TT-D4-735-U-MQ-TC

Luminous Intensity Polar Plot



REPORT NUMBER: P887794

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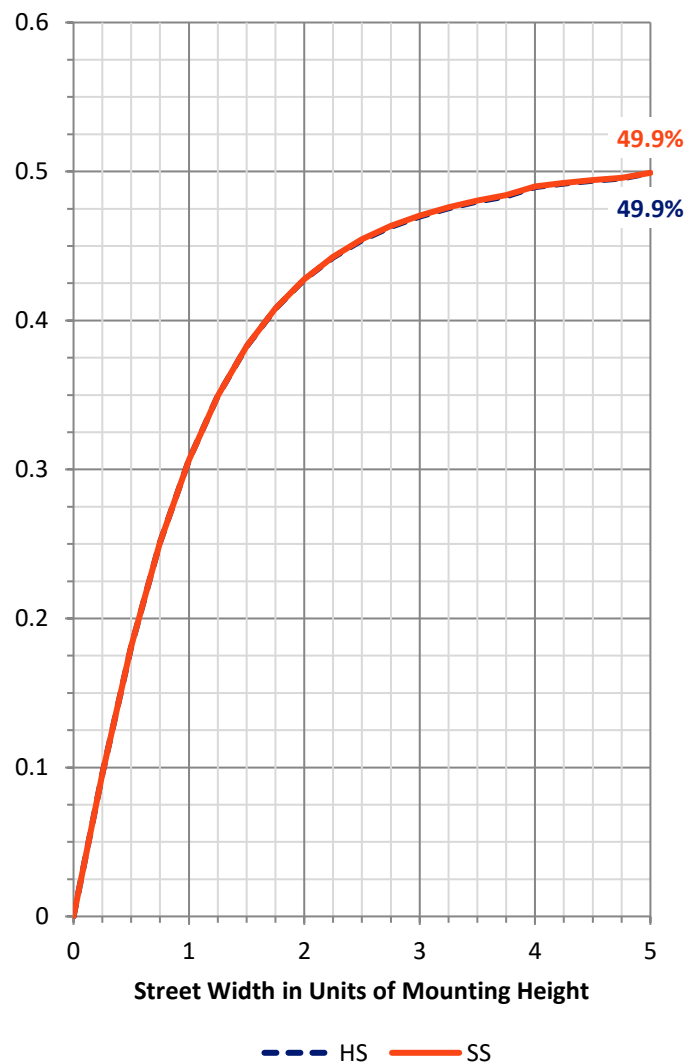
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3134.0	0.0	3134.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3134.0	0.0	3134.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6268.0	0.0	6268.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.8	2.0
10°-20°	369.4	5.9
20°-30°	595.5	9.5
30°-40°	790.3	12.6
40°-50°	992.7	15.8
50°-60°	1170.6	18.7
60°-70°	1228.8	19.6
70°-80°	863.7	13.8
80°-90°	132.1	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°	6268.0	100.0
0°-180°	6268.0	100.0

Coefficient of Utilization



REPORT NUMBER: P887794

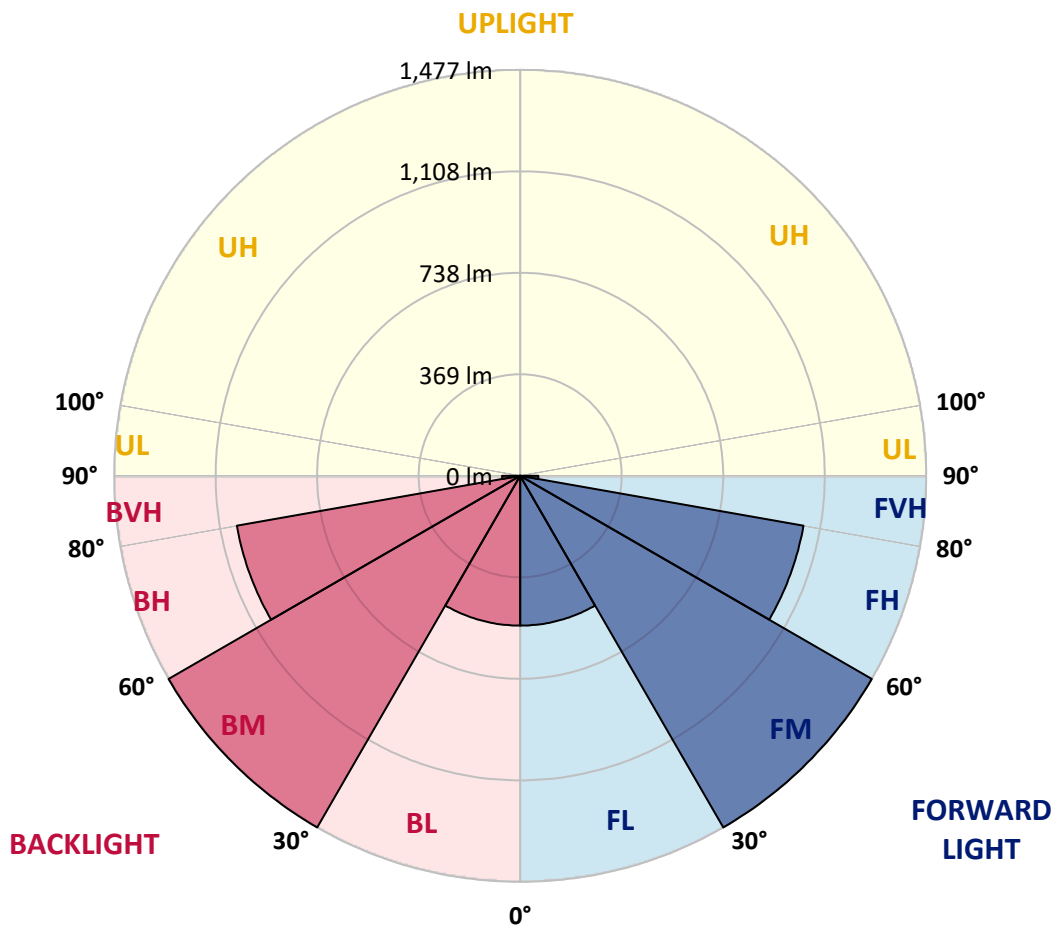
CATALOG NUMBER: TT-D4-735-U-MQ-TC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	544.8	8.7			
FM	(30°-60°)	1476.8	23.6			
FH	(60°-80°)	1046.3	16.7			G1/1800
FVH	(80°-90°)	66.1	1.1			G1/100
BL	(0°-30°)	544.8	8.7	B2/1000		
BM	(30°-60°)	1476.8	23.6	B2/2500		
BH	(60°-80°)	1046.3	16.7	B3/2500		G1/1800
BVH	(80°-90°)	66.1	1.1			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



REPORT NUMBER: P887794

CATALOG NUMBER: TT-D4-735-U-MQ-TC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1307.8	1307.8	1307.8	1307.8	1307.8	1307.8	1307.8	1307.8	1307.8	1307.8	1307.8
2.5°	1308.9	1308.9	1308.9	1307.8	1306.6	1307.8	1306.6	1307.8	1307.8	1307.8	1308.9
5°	1308.9	1308.9	1308.9	1307.8	1307.8	1307.8	1307.8	1307.8	1307.8	1307.8	1307.8
7.5°	1307.8	1307.8	1306.6	1306.6	1306.6	1306.6	1306.6	1306.6	1306.6	1306.6	1306.6
10°	1306.6	1306.6	1305.5	1305.5	1304.4	1304.4	1304.4	1305.5	1305.5	1305.5	1305.5
12.5°	1303.2	1304.4	1304.4	1303.2	1303.2	1303.2	1302.1	1303.2	1303.2	1302.1	1302.1
15°	1301.0	1302.1	1302.1	1302.1	1302.1	1302.1	1301.0	1302.1	1301.0	1301.0	1301.0
17.5°	1301.0	1301.0	1302.1	1303.2	1304.4	1305.5	1303.2	1303.2	1301.0	1299.9	1299.9
20°	1303.2	1303.2	1304.4	1305.5	1308.9	1310.0	1308.9	1305.5	1304.4	1302.1	1302.1
22.5°	1296.5	1297.6	1298.7	1298.7	1301.0	1303.2	1302.1	1299.9	1297.6	1296.5	1296.5
25°	1287.5	1287.5	1287.5	1289.7	1292.0	1292.0	1290.8	1289.7	1287.5	1286.3	1286.3
27.5°	1275.0	1273.9	1275.0	1277.3	1279.6	1280.7	1279.6	1278.4	1275.0	1275.0	1273.9
30°	1261.5	1260.4	1262.6	1264.9	1268.3	1269.4	1268.3	1266.0	1262.6	1261.5	1260.4
32.5°	1248.0	1248.0	1250.2	1253.6	1258.1	1260.4	1258.1	1255.9	1250.2	1248.0	1248.0
35°	1235.5	1235.5	1241.2	1248.0	1253.6	1255.9	1253.6	1250.2	1243.4	1237.8	1237.8
37.5°	1236.7	1238.9	1246.8	1262.6	1271.7	1275.0	1272.8	1262.6	1251.3	1242.3	1238.9
40°	1253.6	1255.9	1269.4	1285.2	1299.9	1305.5	1301.0	1287.5	1271.7	1258.1	1255.9
42.5°	1254.7	1255.9	1271.7	1292.0	1308.9	1316.8	1311.1	1294.2	1275.0	1259.2	1257.0
45°	1245.7	1249.1	1267.1	1290.8	1308.9	1316.8	1308.9	1294.2	1270.5	1252.5	1251.3
47.5°	1236.7	1238.9	1259.2	1285.2	1306.6	1314.5	1307.8	1287.5	1261.5	1242.3	1241.2
50°	1229.9	1232.2	1250.2	1284.1	1307.8	1316.8	1308.9	1287.5	1255.9	1236.7	1235.5
52.5°	1227.6	1229.9	1259.2	1295.4	1331.5	1339.4	1330.3	1297.6	1263.8	1234.4	1234.4
55°	1233.3	1234.4	1273.9	1328.1	1361.9	1378.8	1364.2	1329.2	1281.8	1243.4	1238.9
57.5°	1241.2	1248.0	1279.6	1343.9	1390.1	1410.4	1391.3	1346.1	1287.5	1252.5	1248.0
60°	1214.1	1224.3	1268.3	1323.6	1376.6	1395.8	1380.0	1330.3	1268.3	1223.1	1222.0
62.5°	1165.6	1170.1	1229.9	1299.9	1360.8	1385.6	1364.2	1310.0	1234.4	1187.0	1181.4
65°	1152.0	1157.7	1200.6	1287.5	1350.6	1382.2	1360.8	1294.2	1207.3	1156.6	1152.0
67.5°	1069.7	1082.1	1144.2	1220.9	1292.0	1319.0	1298.7	1240.1	1144.2	1082.1	1073.1
70°	971.5	986.2	1044.9	1129.5	1189.3	1217.5	1192.7	1145.3	1043.7	983.9	973.8
72.5°	857.5	866.6	934.3	1003.1	1077.6	1111.4	1079.8	1018.9	930.9	858.7	854.2
75°	700.7	716.5	792.1	855.3	925.3	961.4	937.7	866.6	783.1	705.2	699.6
77.5°	536.0	541.6	619.5	692.8	751.5	784.2	765.0	697.3	611.6	534.8	528.1
80°	355.4	359.9	422.0	488.6	545.0	581.1	558.5	497.6	404.0	348.7	340.8
82.5°	153.5	156.8	194.1	250.5	301.3	332.9	314.8	257.3	178.3	144.4	136.5
85°	12.4	11.3	12.4	14.7	14.7	30.5	26.0	22.6	9.0	11.3	9.0
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)