

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: P594037

Luminaire Tested: **ISC-PA1B-727-U-5WQ**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P594037
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2201-510-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/22/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: ISC-PA1B-727-U-5WQ
Description: IMPACT ELITE LED CYLINDER LUMINAIRE
(1) 70 CRI, 2700K, 450mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4447 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')
IES Classification: Type V - Medium
BUG Rating: B3 - U0 - G1

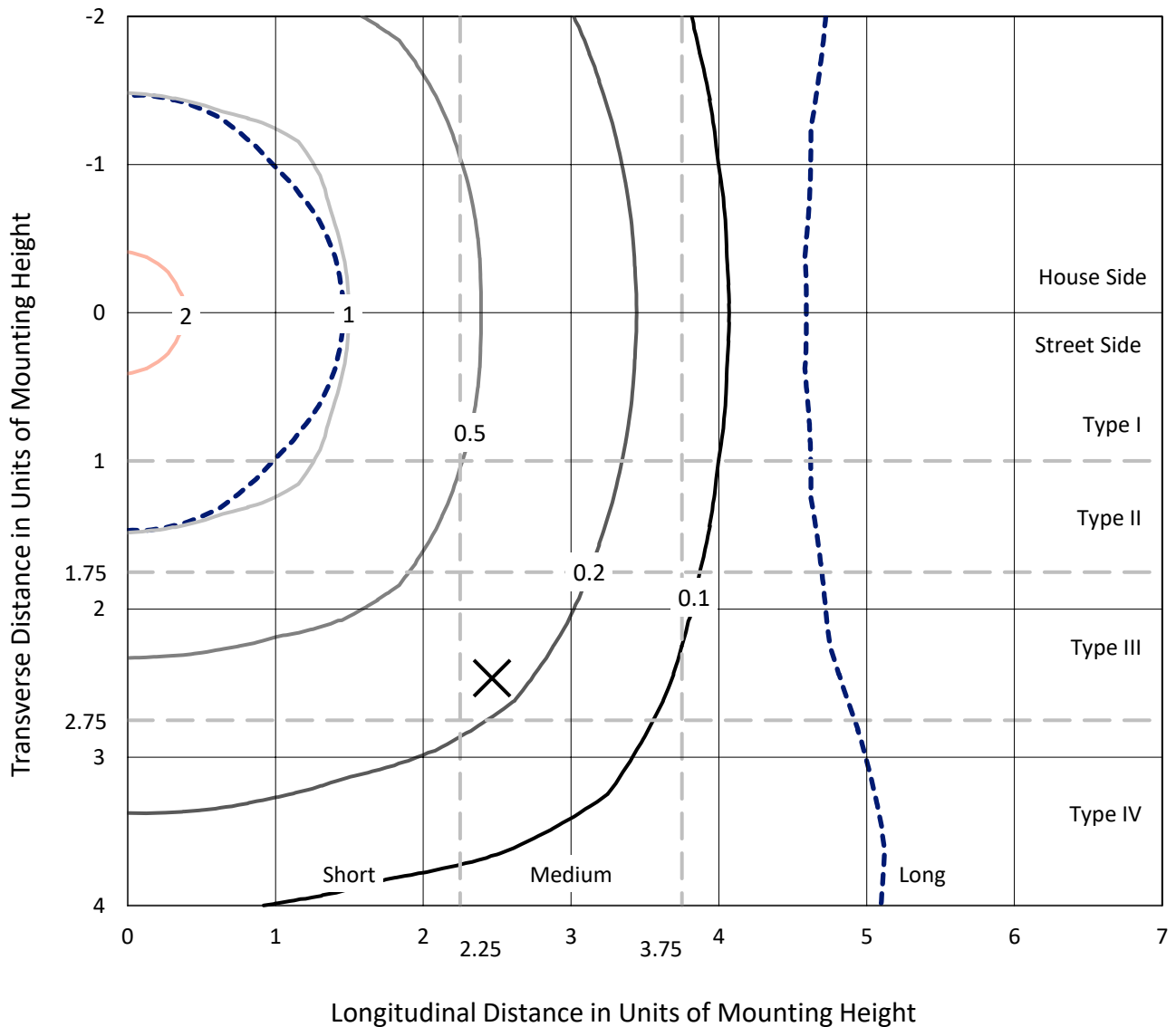
Input Watts (W): 36.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

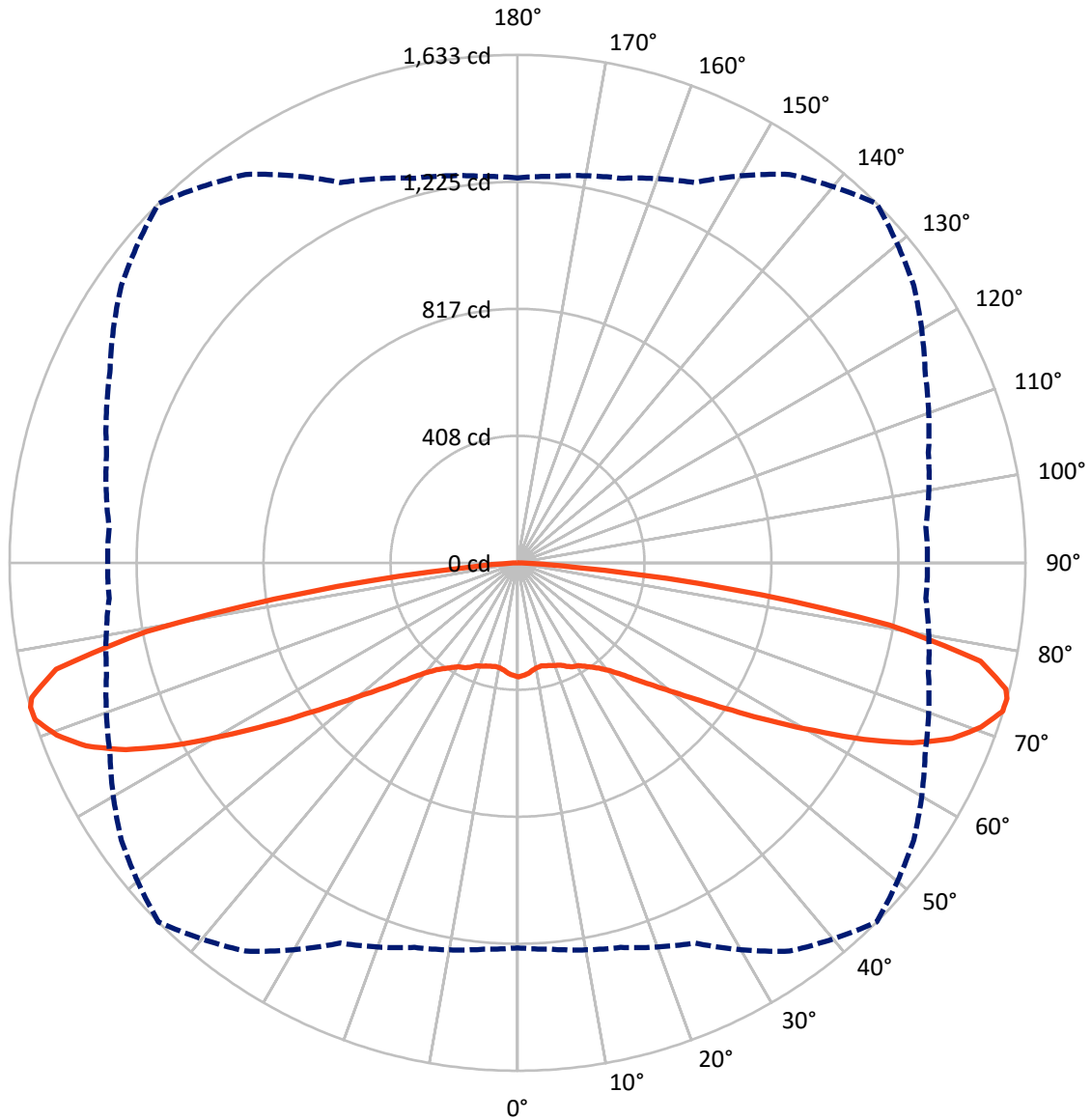
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 2.5 fc
 Type V - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical

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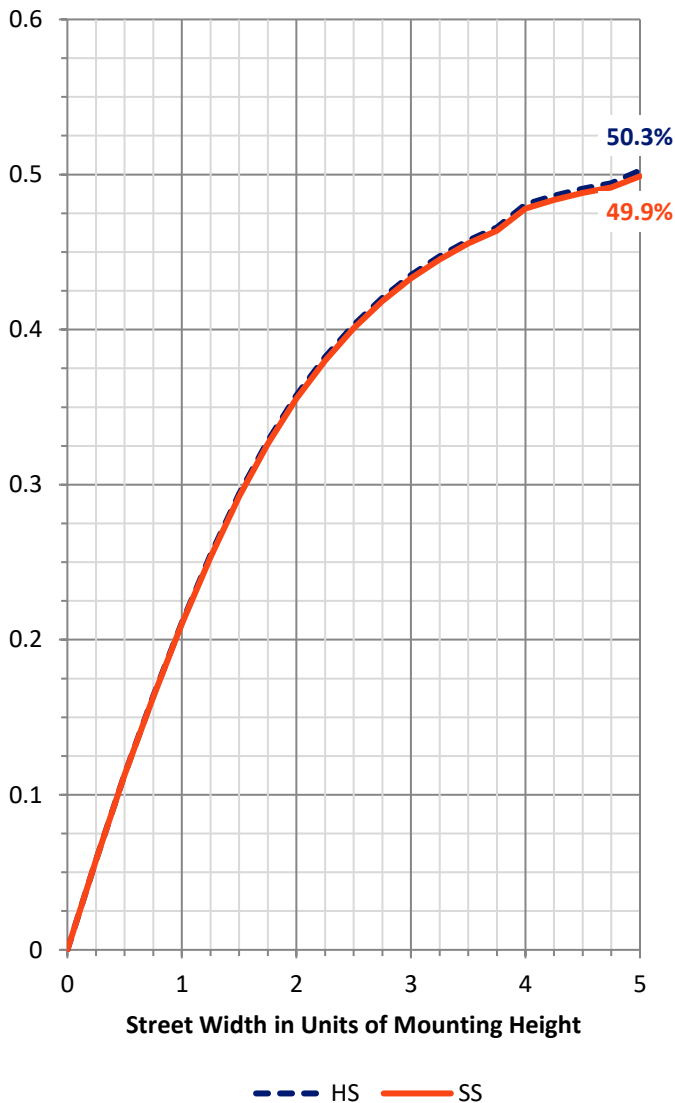
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2223.5	0.0	2223.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2223.5	0.0	2223.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4447.0	0.0	4447.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.6	0.8
10°-20°	98.5	2.2
20°-30°	170.1	3.8
30°-40°	260.6	5.9
40°-50°	424.0	9.5
50°-60°	735.2	16.5
60°-70°	1217.6	27.4
70°-80°	1317.4	29.6
80°-90°	189.8	4.3
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°	4447.0	100.0
0°-180°	4447.0	100.0



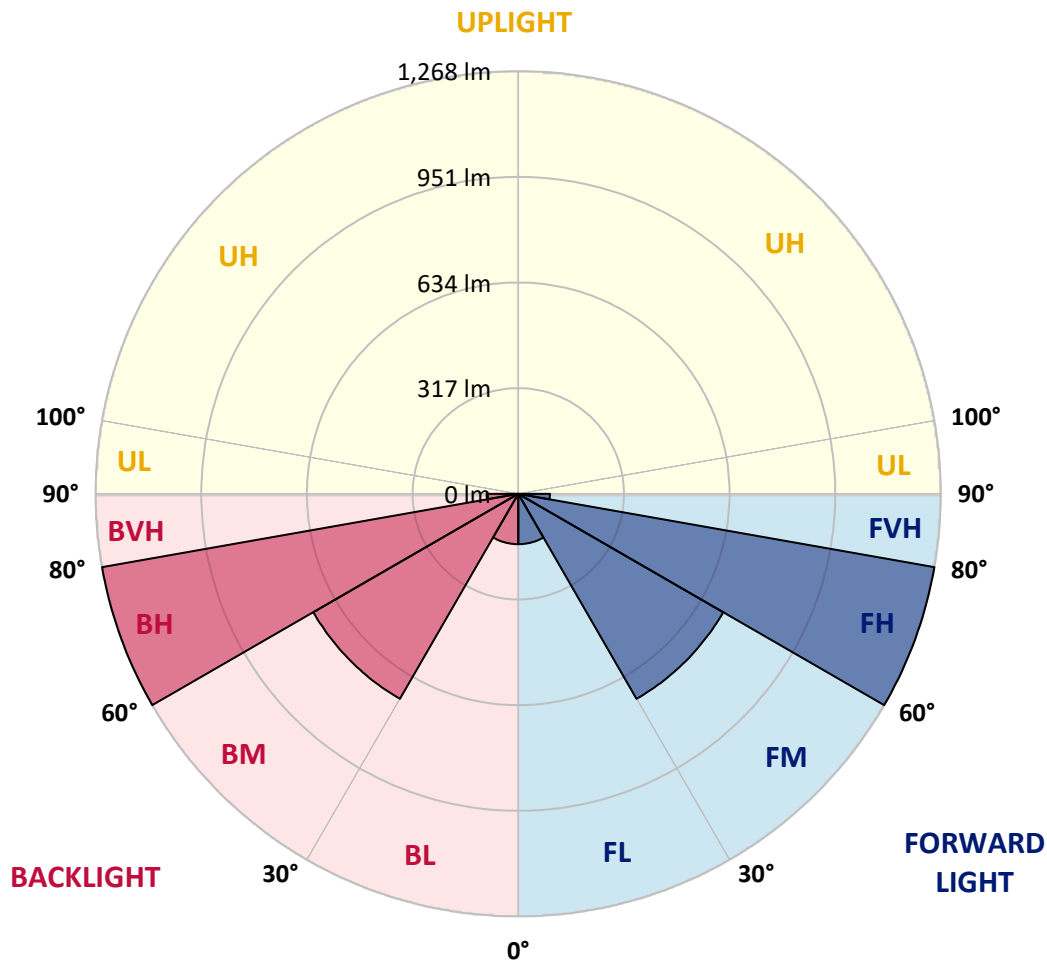
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	151.1	3.4			
FM (30°-60°)	709.9	16.0			
FH (60°-80°)	1267.5	28.5			G1/1800
FVH (80°-90°)	94.9	2.1			G1/100
BL (0°-30°)	151.1	3.4	B1/500		
BM (30°-60°)	709.9	16.0	B1/1000		
BH (60°-80°)	1267.5	28.5	B3/2500		G1/1800
BVH (80°-90°)	94.9	2.1			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	366.9	366.9	366.9	366.9	366.9	366.9	366.9	366.9	366.9	366.9	366.9
2.5°	361.6	362.6	362.6	361.6	362.6	362.6	362.6	363.7	362.6	364.7	363.7
5°	356.3	356.3	357.3	356.3	356.3	357.3	356.3	358.4	357.3	359.5	357.3
7.5°	347.8	347.8	347.8	347.8	348.9	348.9	348.9	351.0	351.0	351.0	349.9
10°	345.7	344.7	344.7	342.5	342.5	342.5	341.5	344.7	345.7	347.8	346.8
12.5°	346.8	346.8	344.7	342.5	341.5	340.4	340.4	343.6	346.8	347.8	347.8
15°	351.0	351.0	347.8	343.6	343.6	343.6	342.5	343.6	348.9	351.0	348.9
17.5°	354.2	353.1	349.9	347.8	347.8	346.8	346.8	346.8	349.9	353.1	353.1
20°	359.5	359.5	355.2	353.1	353.1	352.1	351.0	349.9	353.1	357.3	356.3
22.5°	366.9	364.7	361.6	359.5	358.4	357.3	355.2	356.3	358.4	361.6	361.6
25°	372.1	372.1	369.0	367.9	369.0	369.0	365.8	363.7	364.7	367.9	367.9
27.5°	374.3	374.3	372.1	372.1	376.4	378.5	374.3	370.0	367.9	371.1	370.0
30°	382.7	382.7	380.6	379.6	382.7	383.8	381.7	378.5	377.4	380.6	379.6
32.5°	397.5	396.5	393.3	390.1	391.2	396.5	392.2	391.2	391.2	394.4	395.4
35°	414.4	412.3	409.2	406.0	407.0	412.3	408.1	408.1	409.2	413.4	413.4
37.5°	438.8	436.6	432.4	425.0	424.0	430.3	429.2	430.3	434.5	436.6	438.8
40°	465.2	464.1	458.8	452.5	451.4	455.7	456.7	458.8	463.1	465.2	466.2
42.5°	503.2	501.1	492.7	486.3	485.3	490.6	492.7	494.8	500.1	502.2	504.3
45°	549.8	548.7	539.2	531.8	528.6	536.0	536.0	538.1	543.4	547.7	547.7
47.5°	600.5	599.5	592.1	583.6	584.7	589.9	588.9	589.9	594.2	598.4	601.6
50°	657.6	654.4	646.0	643.9	649.1	654.4	650.2	649.1	655.5	657.6	656.5
52.5°	720.0	716.8	712.6	712.6	725.3	734.8	731.6	722.1	722.1	721.0	720.0
55°	794.0	791.9	790.8	796.1	817.2	836.3	824.6	806.7	799.3	795.0	797.2
57.5°	871.2	865.9	875.4	887.0	929.3	956.8	938.8	905.0	894.4	886.0	881.7
60°	949.4	947.3	961.0	988.5	1048.8	1095.3	1071.0	1015.0	995.9	976.9	976.9
62.5°	1025.5	1023.4	1043.5	1085.8	1180.9	1249.7	1205.3	1134.4	1097.4	1068.9	1064.6
65°	1117.5	1114.3	1136.5	1182.0	1308.9	1395.6	1339.5	1246.5	1202.1	1163.0	1157.7
67.5°	1192.6	1192.6	1222.2	1278.2	1416.7	1507.6	1437.8	1357.5	1305.7	1265.5	1261.3
70°	1264.5	1270.8	1293.0	1348.0	1499.2	1581.6	1518.2	1446.3	1399.8	1359.6	1355.4
72.5°	1295.1	1303.6	1325.8	1379.7	1535.1	1631.3	1557.3	1474.9	1425.2	1385.0	1379.7
74°	1238.0	1247.5	1280.3	1349.0	1524.5	1633.4	1555.2	1446.3	1368.1	1318.4	1318.4
75°	1173.5	1186.2	1225.3	1299.4	1502.3	1621.8	1533.0	1400.8	1292.0	1233.8	1237.0
77.5°	905.0	932.5	974.8	1091.1	1348.0	1522.4	1362.8	1123.8	949.4	862.7	860.6
80°	258.0	296.0	392.2	651.3	1024.5	1212.7	1001.2	665.0	469.4	357.3	343.6
82.5°	62.4	72.9	100.4	184.0	437.7	685.1	495.8	217.8	131.1	85.6	68.7
85°	26.4	28.5	45.5	63.4	120.5	181.8	115.2	74.0	53.9	24.3	23.3
87.5°	9.5	10.6	16.9	16.9	25.4	14.8	26.4	18.0	19.0	6.3	6.3
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)