

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: P594100

Luminaire Tested: **ISC-PA1B-830-U-5WQ**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P594100
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-830-U-5WQ
Description: IMPACT ELITE LED CYLINDER LUMINAIRE
(1) 80 CRI, 3000K, 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: 4226 lumens
Efficiency: N/A
Efficacy: 116.1 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

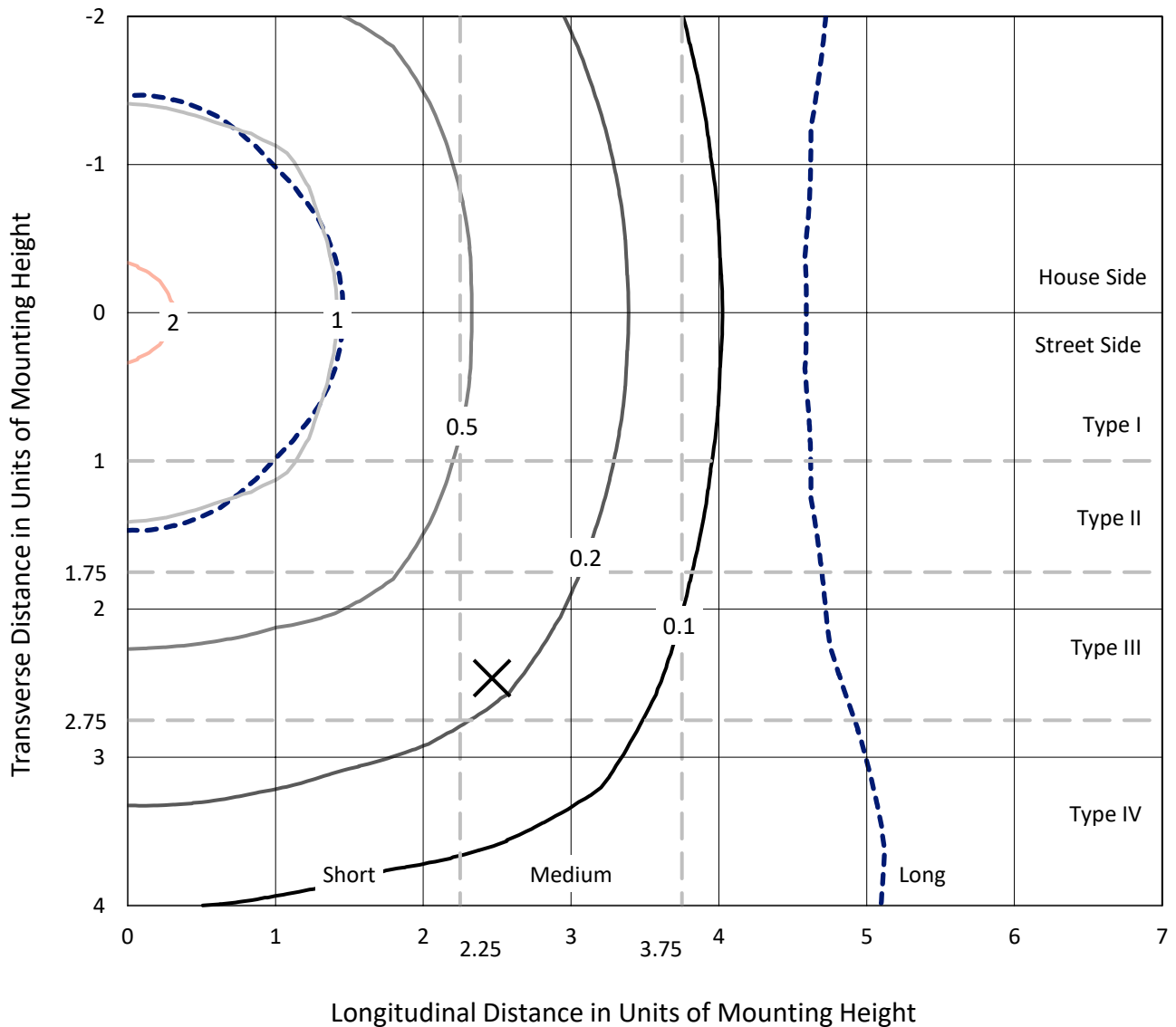
Input Watts (W): 36.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

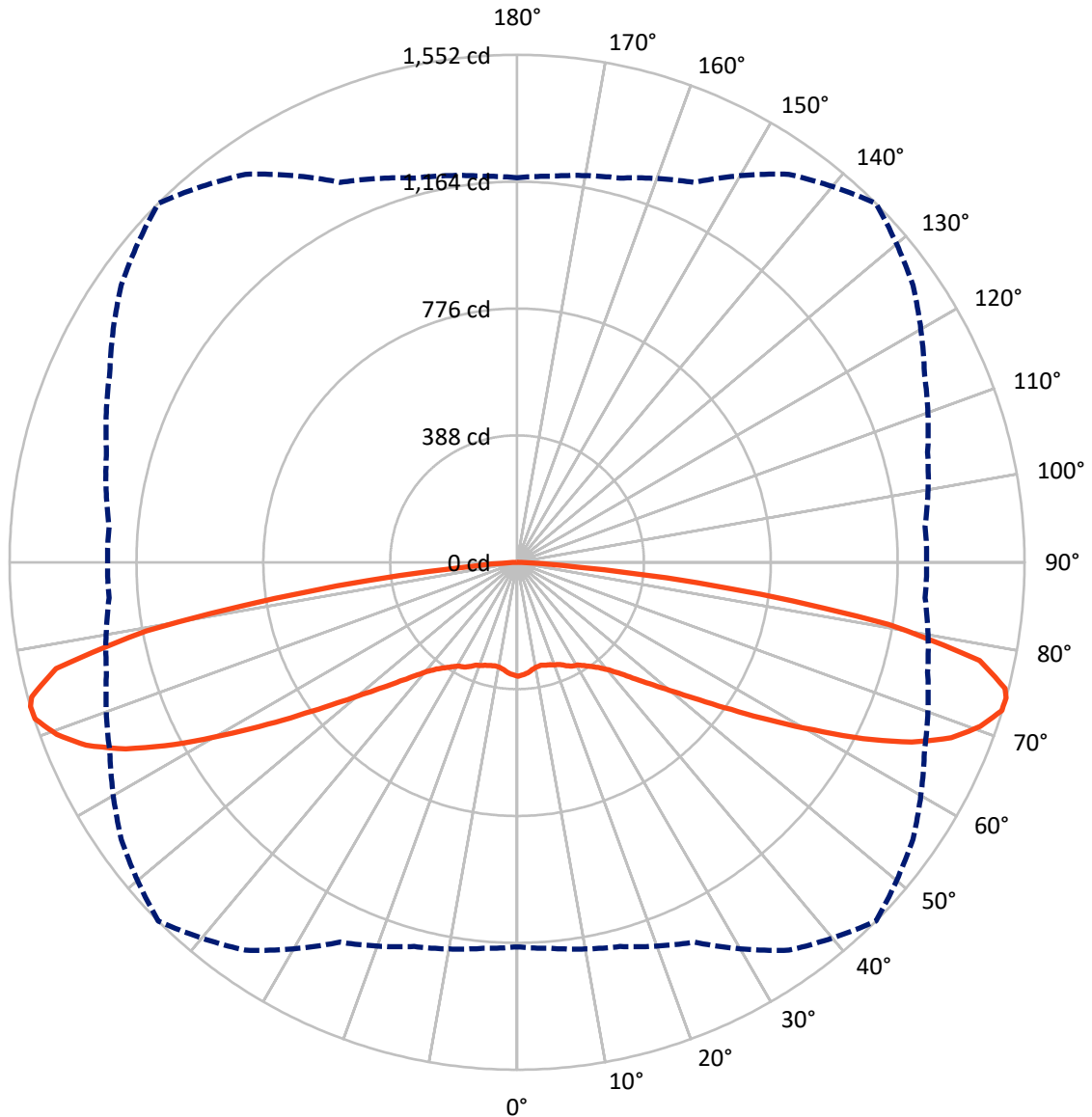
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 2.4 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	2113.0	0.0	2113.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2113.0	0.0	2113.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4226.0	0.0	4226.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.0	0.8
10°-20°	93.6	2.2
20°-30°	161.7	3.8
30°-40°	247.6	5.9
40°-50°	402.9	9.5
50°-60°	698.7	16.5
60°-70°	1157.1	27.4
70°-80°	1252.0	29.6
80°-90°	180.4	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°	4226.0	100.0
0°-180°	4226.0	100.0

Coefficient of Utilization

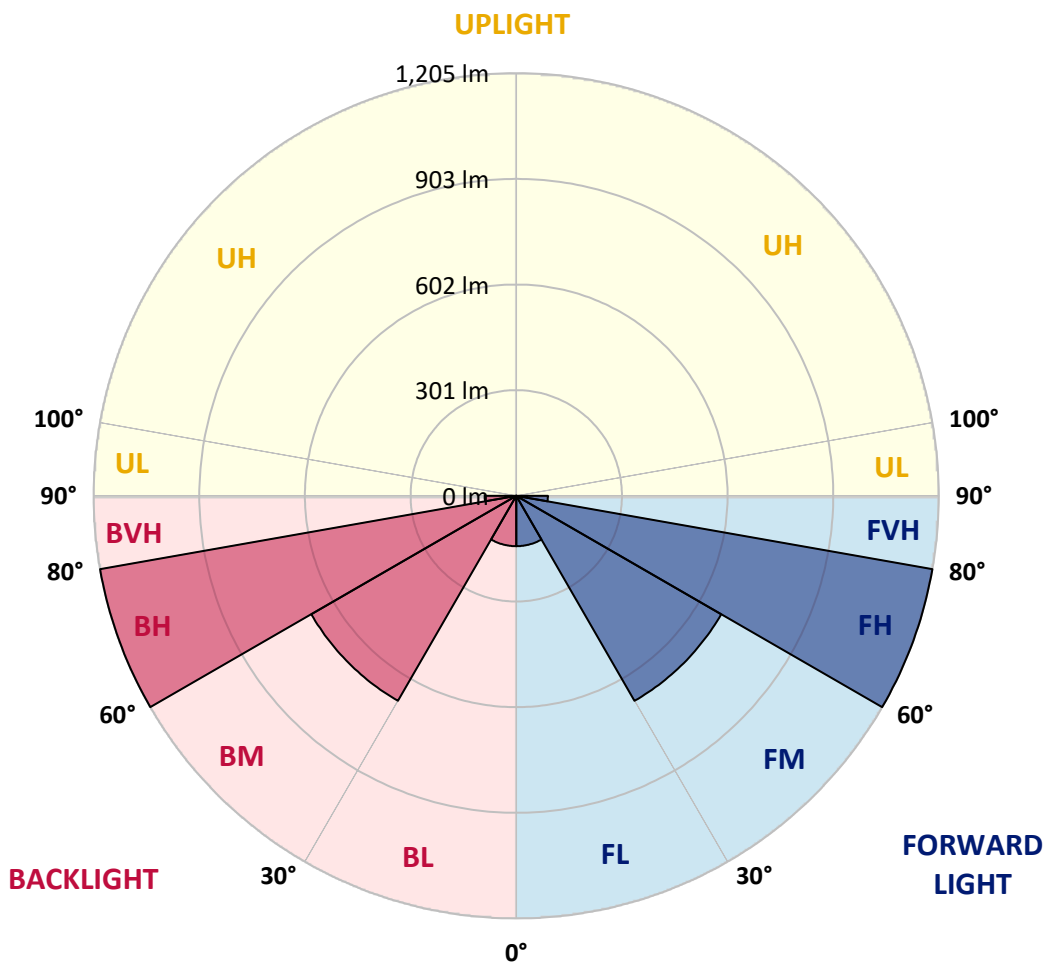


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	143.6	3.4			
FM (30°-60°)	674.6	16.0			
FH (60°-80°)	1204.5	28.5			G1/1800
FVH (80°-90°)	90.2	2.1			G1/100
BL (0°-30°)	143.6	3.4	B1/500		
BM (30°-60°)	674.6	16.0	B1/1000		
BH (60°-80°)	1204.5	28.5	B3/2500		G1/1800
BVH (80°-90°)	90.2	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°	348.6	348.6	348.6	348.6	348.6	348.6	348.6	348.6	348.6	348.6	348.6
2.5°	343.6	344.6	344.6	343.6	344.6	344.6	344.6	345.6	344.6	346.6	345.6
5°	338.6	338.6	339.6	338.6	338.6	338.6	338.6	340.6	339.6	341.6	339.6
7.5°	330.5	330.5	330.5	330.5	331.6	331.6	331.6	333.6	333.6	333.6	332.6
10°	328.5	327.5	327.5	325.5	325.5	325.5	324.5	327.5	328.5	330.5	329.5
12.5°	329.5	329.5	327.5	325.5	324.5	323.5	323.5	326.5	329.5	330.5	330.5
15°	333.6	333.6	330.5	326.5	326.5	326.5	325.5	326.5	331.6	333.6	331.6
17.5°	336.6	335.6	332.6	330.5	330.5	329.5	329.5	329.5	332.6	335.6	335.6
20°	341.6	341.6	337.6	335.6	335.6	334.6	333.6	332.6	335.6	339.6	338.6
22.5°	348.6	346.6	343.6	341.6	340.6	339.6	337.6	338.6	340.6	343.6	343.6
25°	353.7	353.7	350.6	349.6	350.6	350.6	347.6	345.6	346.6	349.6	349.6
27.5°	355.7	355.7	353.7	353.7	357.7	359.7	355.7	351.6	349.6	352.7	351.6
30°	363.7	363.7	361.7	360.7	363.7	364.7	362.7	359.7	358.7	361.7	360.7
32.5°	377.8	376.8	373.7	370.7	371.7	376.8	372.7	371.7	371.7	374.8	375.8
35°	393.8	391.8	388.8	385.8	386.8	391.8	387.8	387.8	388.8	392.8	392.8
37.5°	417.0	414.9	410.9	403.9	402.9	408.9	407.9	408.9	412.9	414.9	417.0
40°	442.1	441.1	436.0	430.0	429.0	433.0	434.0	436.0	440.1	442.1	443.1
42.5°	478.2	476.2	468.2	462.2	461.2	466.2	468.2	470.2	475.2	477.2	479.2
45°	522.4	521.4	512.4	505.4	502.4	509.4	509.4	511.4	516.4	520.4	520.4
47.5°	570.7	569.7	562.6	554.6	555.6	560.6	559.6	560.6	564.6	568.7	571.7
50°	624.9	621.9	613.9	611.9	616.9	621.9	617.9	616.9	622.9	624.9	623.9
52.5°	684.2	681.2	677.2	677.2	689.2	698.3	695.3	686.2	686.2	685.2	684.2
55°	754.5	752.5	751.5	756.5	776.6	794.7	783.7	766.6	759.6	755.5	757.5
57.5°	827.9	822.9	831.9	842.9	883.1	909.3	892.2	860.0	850.0	841.9	837.9
60°	902.2	900.2	913.3	939.4	996.7	1040.9	1017.8	964.5	946.4	928.3	928.3
62.5°	974.6	972.6	991.6	1031.8	1122.3	1187.6	1145.4	1078.0	1042.9	1015.8	1011.7
65°	1062.0	1059.0	1080.1	1123.3	1243.8	1326.2	1273.0	1184.5	1142.3	1105.2	1100.1
67.5°	1133.3	1133.3	1161.4	1214.7	1346.3	1432.7	1366.4	1290.0	1240.8	1202.6	1198.6
70°	1201.6	1207.7	1228.7	1281.0	1424.7	1503.0	1442.8	1374.4	1330.2	1292.0	1288.0
72.5°	1230.8	1238.8	1259.9	1311.1	1458.8	1550.3	1479.9	1401.6	1354.3	1316.2	1311.1
74°	1176.5	1185.5	1216.7	1282.0	1448.8	1552.3	1477.9	1374.4	1300.1	1252.9	1252.9
75°	1115.2	1127.3	1164.4	1234.8	1427.7	1541.2	1456.8	1331.2	1227.7	1172.5	1175.5
77.5°	860.0	886.1	926.3	1036.9	1281.0	1446.8	1295.1	1068.0	902.2	819.8	817.8
80°	245.1	281.3	372.7	618.9	973.6	1152.4	951.5	632.0	446.1	339.6	326.5
82.5°	59.3	69.3	95.4	174.8	415.9	651.0	471.2	207.0	124.6	81.4	65.3
85°	25.1	27.1	43.2	60.3	114.5	172.8	109.5	70.3	51.2	23.1	22.1
87.5°	9.0	10.0	16.1	16.1	24.1	14.1	25.1	17.1	18.1	6.0	6.0
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)