

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: P594280

Luminaire Tested: **ISC-PA1E-727-U-5WQ**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P594280
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-PA1E-727-U-5WQ
Description: IMPACT ELITE LED CYLINDER LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8881 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')
IES Classification: Type V - Medium
BUG Rating: B4 - U0 - G2

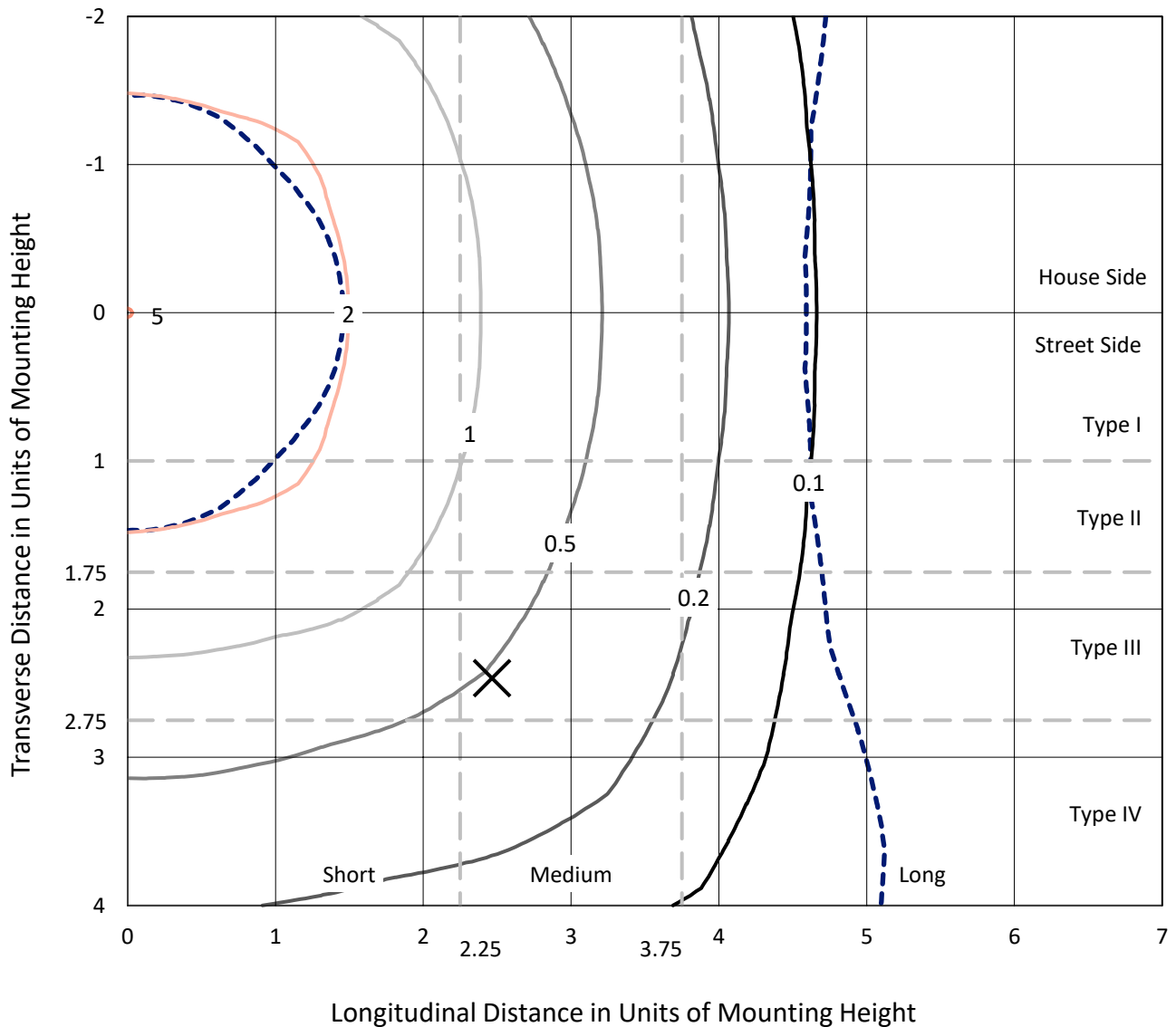
Input Watts (W): 82.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

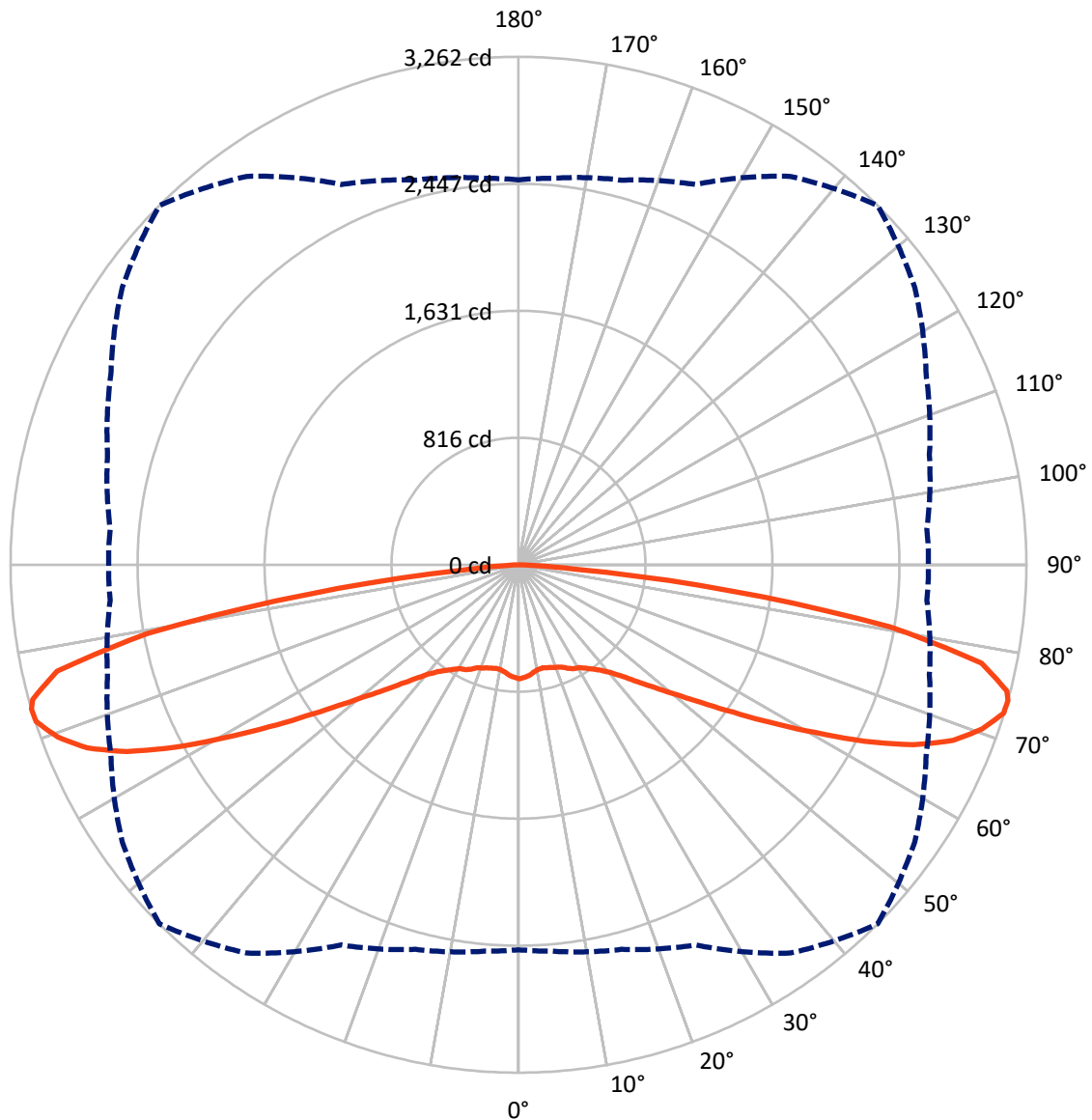
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 5.1 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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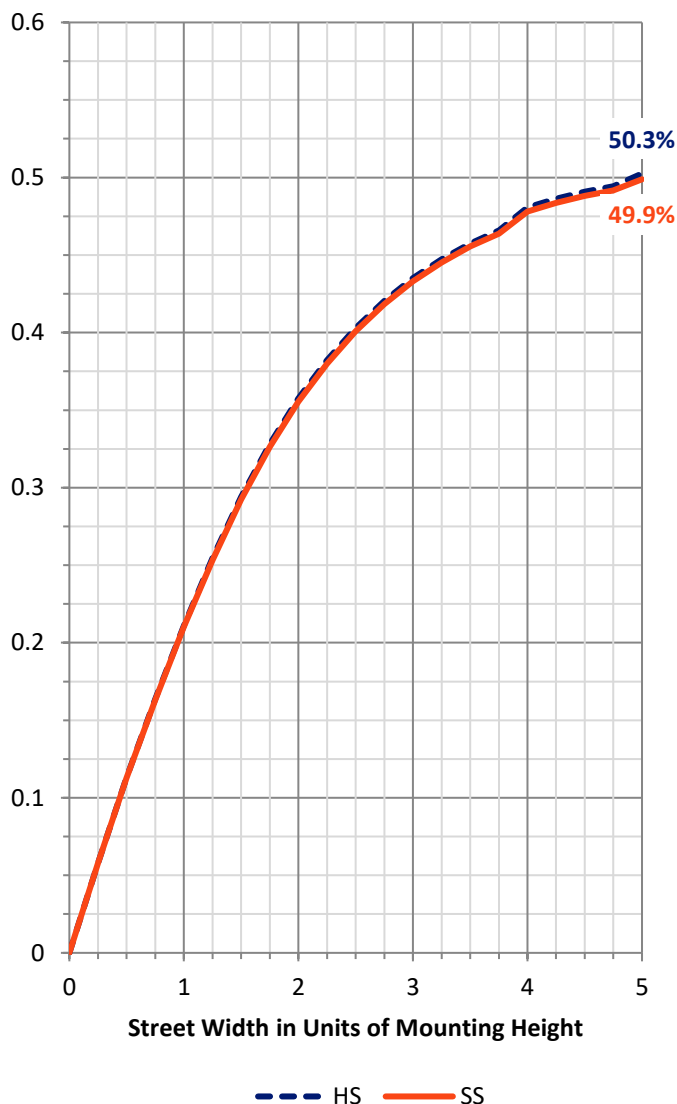
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4440.5	0.0	4440.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4440.5	0.0	4440.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8881.0	0.0	8881.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.2	0.8
10°-20°	196.7	2.2
20°-30°	339.8	3.8
30°-40°	520.4	5.9
40°-50°	846.7	9.5
50°-60°	1468.3	16.5
60°-70°	2431.7	27.4
70°-80°	2631.0	29.6
80°-90°	379.2	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°	8881.0	100.0
0°-180°	8881.0	100.0

Coefficient of Utilization

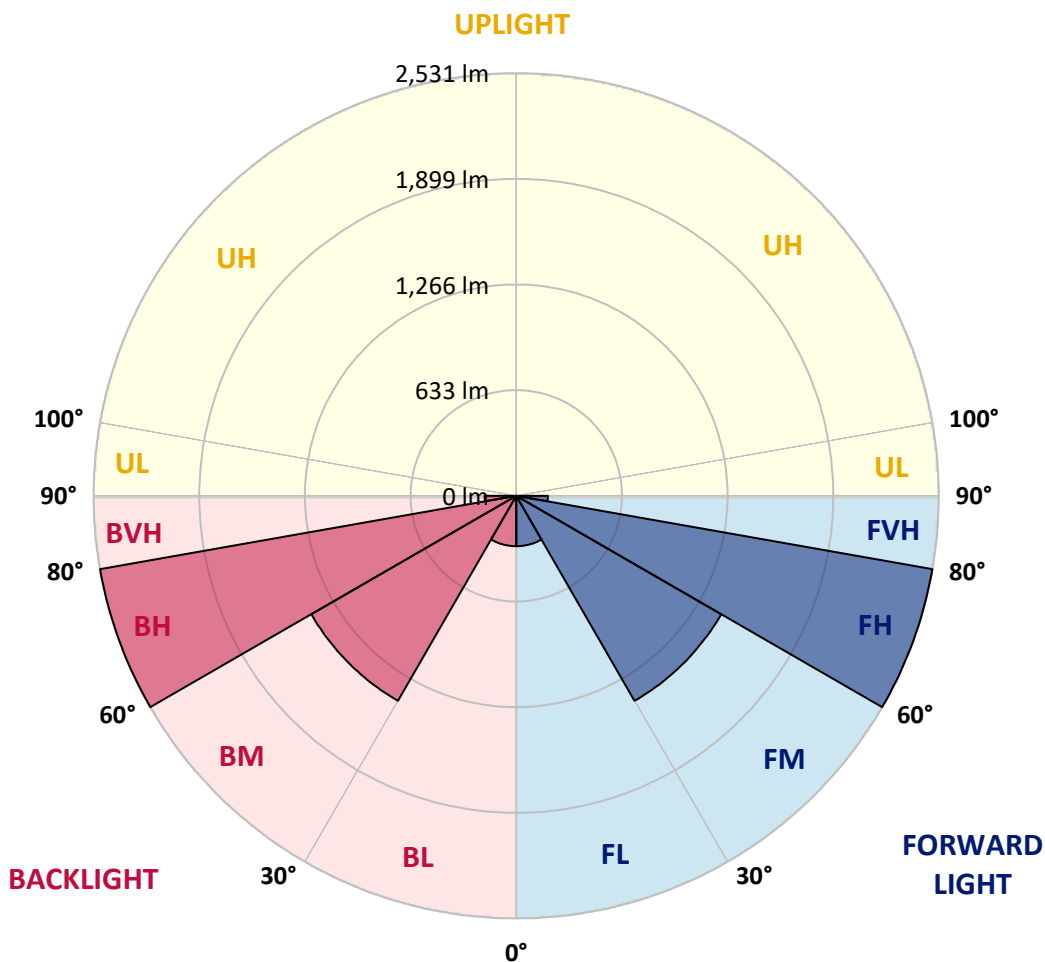


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	301.9	3.4			
FM (30°-60°)	1417.7	16.0			
FH (60°-80°)	2531.4	28.5			G2/5000
FVH (80°-90°)	189.6	2.1			G2/225
BL (0°-30°)	301.9	3.4	B1/500		
BM (30°-60°)	1417.7	16.0	B2/2500		
BH (60°-80°)	2531.4	28.5	B4/5000		G2/5000
BVH (80°-90°)	189.6	2.1			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2
 Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	732.7	732.7	732.7	732.7	732.7	732.7	732.7	732.7	732.7	732.7	732.7
2.5°	722.1	724.2	724.2	722.1	724.2	724.2	724.2	726.3	724.2	728.4	726.3
5°	711.5	711.5	713.7	711.5	711.5	713.7	711.5	715.8	713.7	717.9	713.7
7.5°	694.6	694.6	694.6	694.6	696.8	696.8	696.8	701.0	701.0	701.0	698.9
10°	690.4	688.3	688.3	684.1	684.1	684.1	682.0	688.3	690.4	694.6	692.5
12.5°	692.5	692.5	688.3	684.1	682.0	679.9	679.9	686.2	692.5	694.6	694.6
15°	701.0	701.0	694.6	686.2	686.2	686.2	684.1	686.2	696.8	701.0	696.8
17.5°	707.3	705.2	698.9	694.6	694.6	692.5	692.5	692.5	698.9	705.2	705.2
20°	717.9	717.9	709.4	705.2	705.2	703.1	701.0	698.9	705.2	713.7	711.5
22.5°	732.7	728.4	722.1	717.9	715.8	713.7	709.4	711.5	715.8	722.1	722.1
25°	743.2	743.2	736.9	734.8	736.9	736.9	730.5	726.3	728.4	734.8	734.8
27.5°	747.4	747.4	743.2	743.2	751.7	755.9	747.4	739.0	734.8	741.1	739.0
30°	764.3	764.3	760.1	758.0	764.3	766.4	762.2	755.9	753.8	760.1	758.0
32.5°	793.9	791.8	785.4	779.1	781.2	791.8	783.3	781.2	781.2	787.6	789.7
35°	827.7	823.4	817.1	810.8	812.9	823.4	815.0	815.0	817.1	825.6	825.6
37.5°	876.2	872.0	863.6	848.8	846.7	859.3	857.2	859.3	867.8	872.0	876.2
40°	929.0	926.9	916.3	903.7	901.6	910.0	912.1	916.3	924.8	929.0	931.1
42.5°	1005.0	1000.8	983.9	971.2	969.1	979.7	983.9	988.1	998.7	1002.9	1007.1
45°	1097.9	1095.8	1076.8	1062.0	1055.7	1070.5	1070.5	1074.7	1085.3	1093.7	1093.7
47.5°	1199.3	1197.2	1182.4	1165.5	1167.6	1178.2	1176.0	1178.2	1186.6	1195.0	1201.4
50°	1313.3	1307.0	1290.1	1285.8	1296.4	1307.0	1298.5	1296.4	1309.1	1313.3	1311.2
52.5°	1437.9	1431.5	1423.1	1423.1	1448.4	1467.4	1461.1	1442.1	1442.1	1440.0	1437.9
55°	1585.7	1581.4	1579.3	1589.9	1632.1	1670.1	1646.9	1611.0	1596.2	1587.8	1592.0
57.5°	1739.8	1729.2	1748.2	1771.5	1855.9	1910.8	1874.9	1807.4	1786.2	1769.3	1760.9
60°	1896.0	1891.8	1919.3	1974.2	2094.5	2187.4	2138.8	2026.9	1988.9	1950.9	1950.9
62.5°	2048.1	2043.8	2083.9	2168.4	2358.4	2495.7	2407.0	2265.5	2191.6	2134.6	2126.2
65°	2231.7	2225.4	2269.7	2360.5	2613.9	2787.0	2675.1	2489.3	2400.7	2322.5	2312.0
67.5°	2381.7	2381.7	2440.8	2552.7	2829.3	3010.8	2871.5	2711.0	2607.6	2527.3	2518.9
70°	2525.2	2537.9	2582.2	2692.0	2994.0	3158.6	3032.0	2888.4	2795.5	2715.3	2706.8
72.5°	2586.5	2603.3	2647.7	2755.4	3065.7	3257.9	3110.1	2945.4	2846.2	2765.9	2755.4
74°	2472.4	2491.4	2556.9	2694.1	3044.6	3262.1	3105.9	2888.4	2732.1	2632.9	2632.9
75°	2343.6	2369.0	2447.1	2594.9	3000.3	3238.9	3061.5	2797.6	2580.1	2464.0	2470.3
77.5°	1807.4	1862.2	1946.7	2179.0	2692.0	3040.4	2721.6	2244.4	1896.0	1722.9	1718.7
80°	515.2	591.2	783.3	1300.6	2045.9	2421.8	1999.5	1328.1	937.5	713.7	686.2
82.5°	124.6	145.7	200.6	367.4	874.1	1368.2	990.2	434.9	261.8	171.0	137.2
85°	52.8	57.0	90.8	126.7	240.7	363.2	230.1	147.8	107.7	48.6	46.5
87.5°	19.0	21.1	33.8	33.8	50.7	29.6	52.8	35.9	38.0	12.7	12.7
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)