

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: P594010

Luminaire Tested: **ISC-PA1A-830-U-5WQ**

Issue Date: 3/22/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P594010  
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-PA1A-830-U-5WQ  
Description: IMPACT ELITE LED CYLINDER LUMINAIRE  
(1) 80 CRI, 3000K, 350mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3381 lumens  
Efficiency: N/A  
Efficacy: 117.0 lumens/watt  
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')  
IES Classification: Type V - Medium  
BUG Rating: B2 - U0 - G1

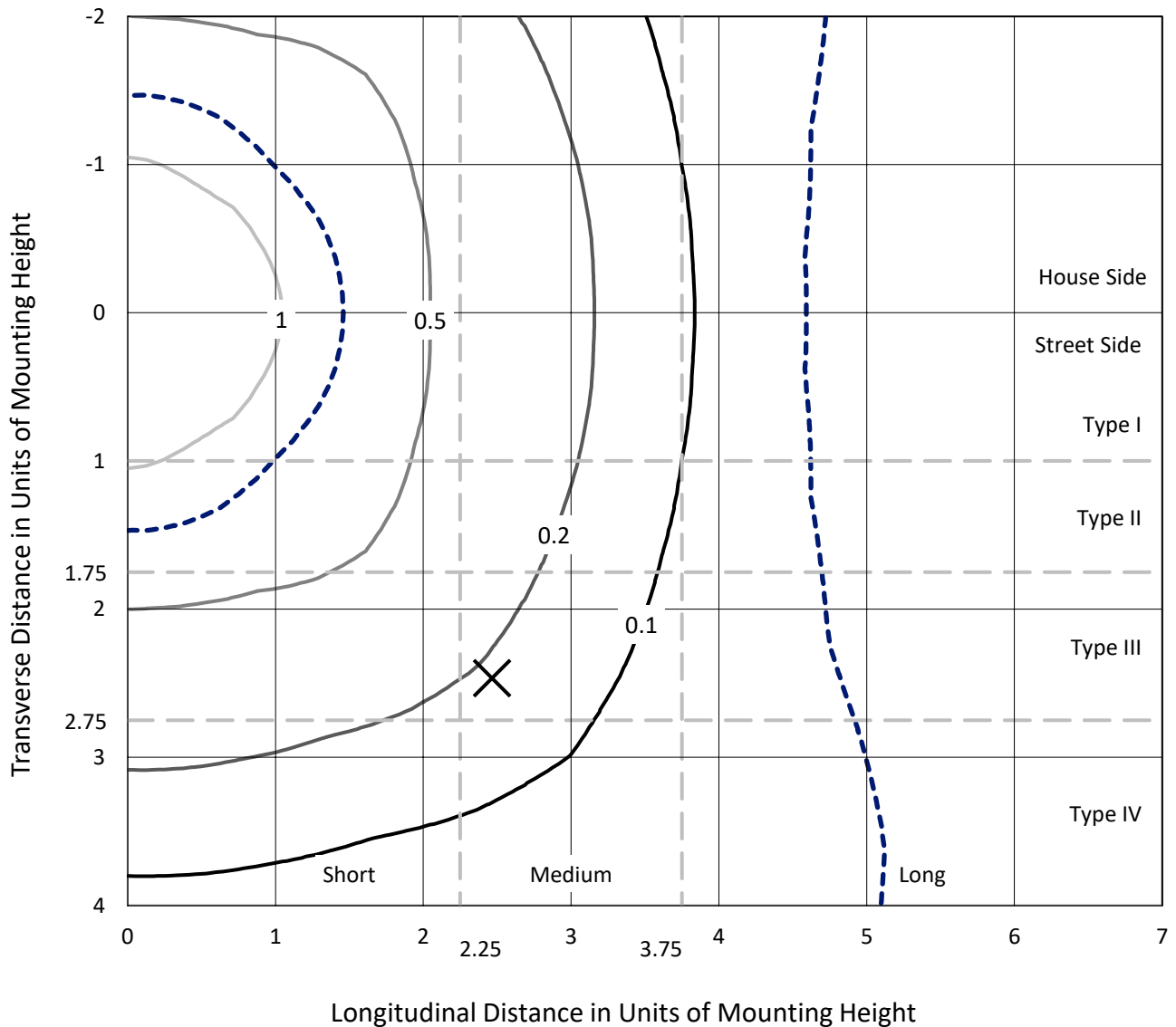
Input Watts (W): 28.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

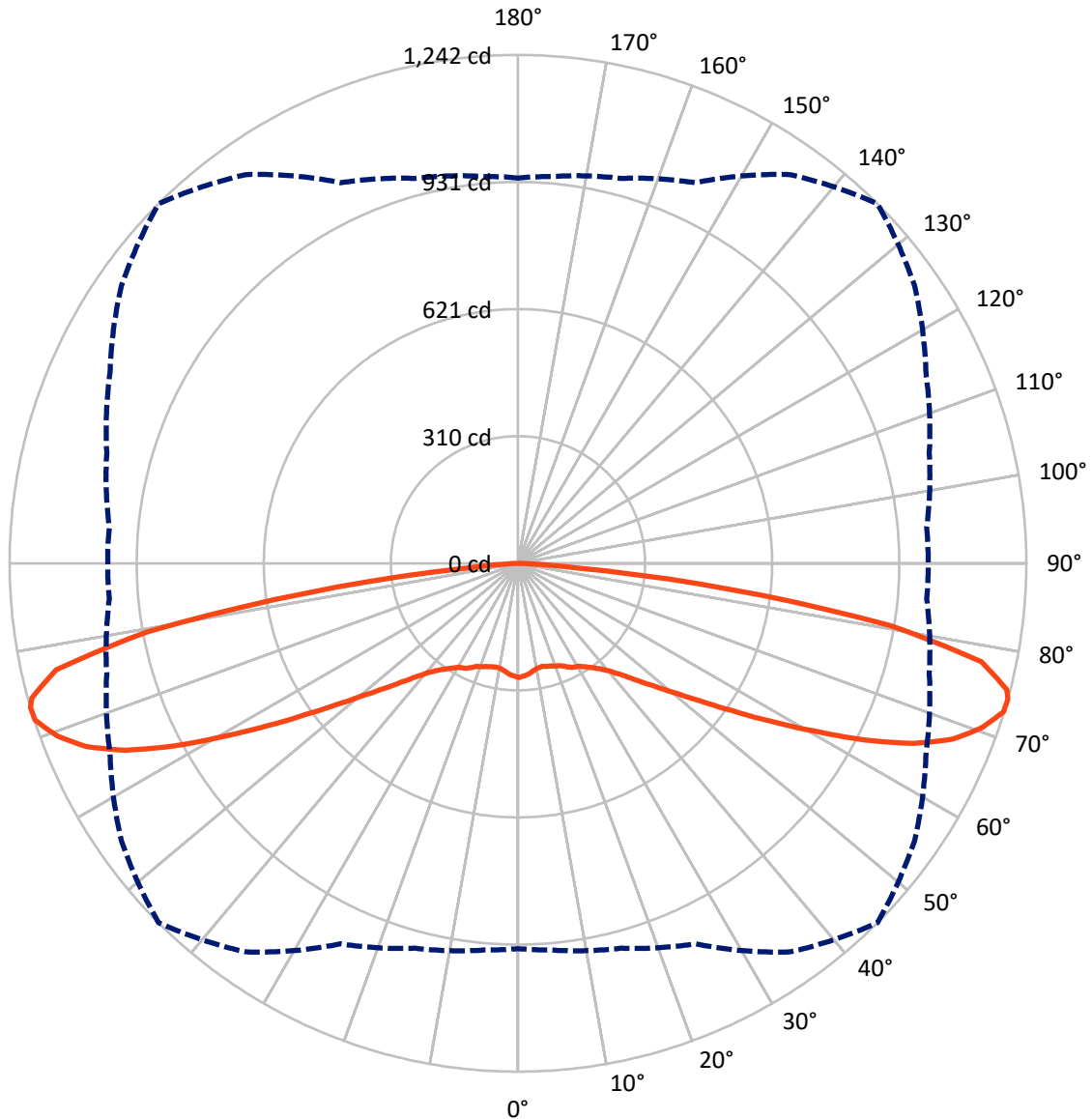
× Max cd  
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 1.9 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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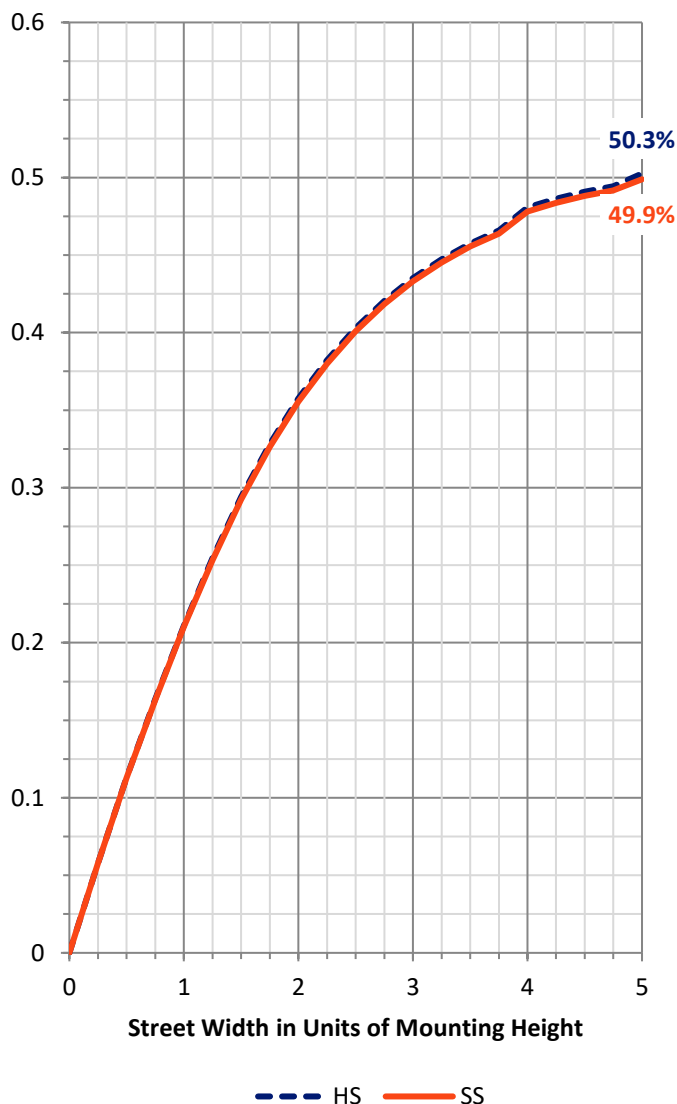
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1690.5	0.0	1690.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1690.5	0.0	1690.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3381.0	0.0	3381.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.6	0.8
10°-20°	74.9	2.2
20°-30°	129.4	3.8
30°-40°	198.1	5.9
40°-50°	322.3	9.5
50°-60°	559.0	16.5
60°-70°	925.7	27.4
70°-80°	1001.6	29.6
80°-90°	144.4	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°	3381.0	100.0
0°-180°	3381.0	100.0

**Coefficient of Utilization**

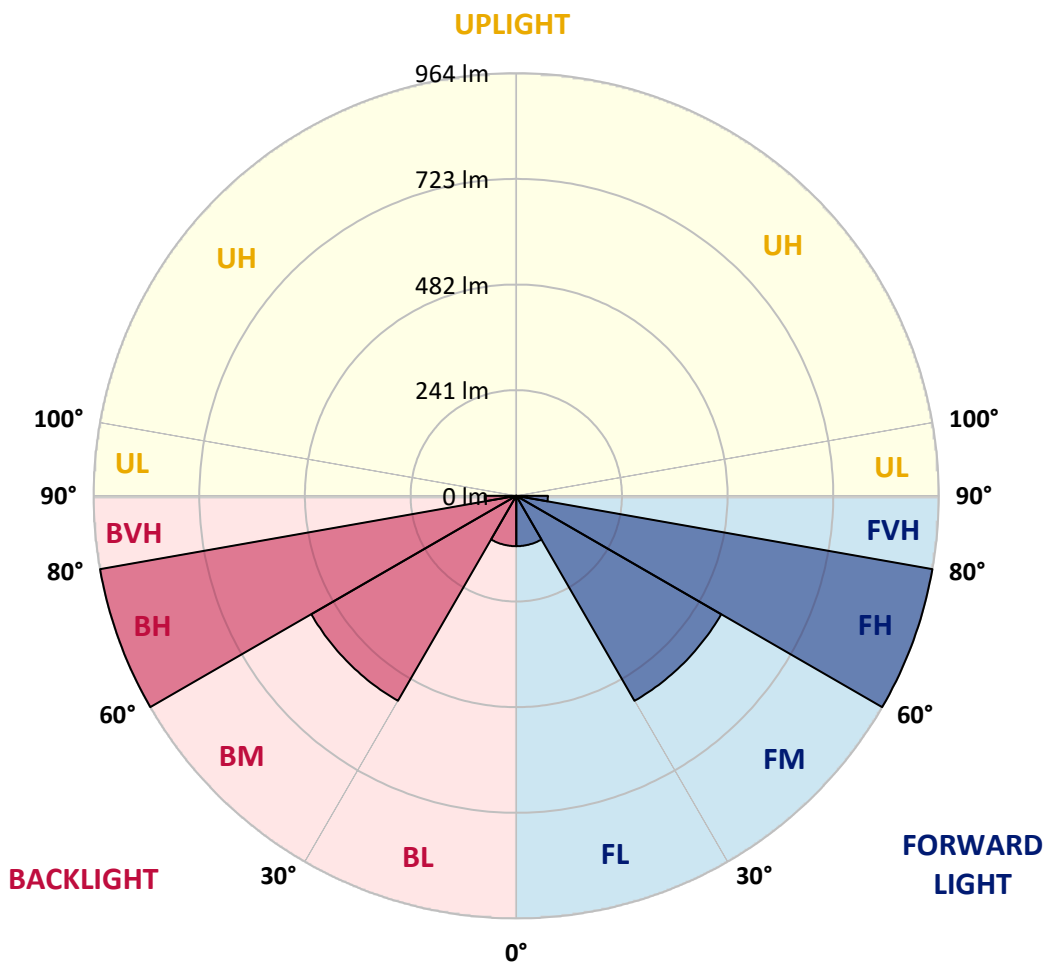


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	114.9	3.4			
FM (30°-60°)	539.7	16.0			
FH (60°-80°)	963.7	28.5			G1/1800
FVH (80°-90°)	72.2	2.1			G1/100
BL (0°-30°)	114.9	3.4	B1/500		
BM (30°-60°)	539.7	16.0	B1/1000		
BH (60°-80°)	963.7	28.5	B2/1000		G1/1800
BVH (80°-90°)	72.2	2.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**  
 Type V Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	278.9	278.9	278.9	278.9	278.9	278.9	278.9	278.9	278.9	278.9	278.9
2.5°	274.9	275.7	275.7	274.9	275.7	275.7	275.7	276.5	275.7	277.3	276.5
5°	270.9	270.9	271.7	270.9	270.9	271.7	270.9	272.5	271.7	273.3	271.7
7.5°	264.5	264.5	264.5	264.5	265.3	265.3	265.3	266.9	266.9	266.9	266.1
10°	262.8	262.0	262.0	260.4	260.4	260.4	259.6	262.0	262.8	264.5	263.6
12.5°	263.6	263.6	262.0	260.4	259.6	258.8	258.8	261.2	263.6	264.5	264.5
15°	266.9	266.9	264.5	261.2	261.2	261.2	260.4	261.2	265.3	266.9	265.3
17.5°	269.3	268.5	266.1	264.5	264.5	263.6	263.6	263.6	266.1	268.5	268.5
20°	273.3	273.3	270.1	268.5	268.5	267.7	266.9	266.1	268.5	271.7	270.9
22.5°	278.9	277.3	274.9	273.3	272.5	271.7	270.1	270.9	272.5	274.9	274.9
25°	282.9	282.9	280.5	279.7	280.5	280.5	278.1	276.5	277.3	279.7	279.7
27.5°	284.5	284.5	282.9	282.9	286.2	287.8	284.5	281.3	279.7	282.1	281.3
30°	291.0	291.0	289.4	288.6	291.0	291.8	290.2	287.8	287.0	289.4	288.6
32.5°	302.2	301.4	299.0	296.6	297.4	301.4	298.2	297.4	297.4	299.8	300.6
35°	315.1	313.5	311.1	308.7	309.5	313.5	310.3	310.3	311.1	314.3	314.3
37.5°	333.6	332.0	328.8	323.1	322.3	327.2	326.3	327.2	330.4	332.0	333.6
40°	353.7	352.9	348.9	344.0	343.2	346.4	347.2	348.9	352.1	353.7	354.5
42.5°	382.6	381.0	374.6	369.8	368.9	373.0	374.6	376.2	380.2	381.8	383.4
45°	418.0	417.2	409.9	404.3	401.9	407.5	407.5	409.1	413.2	416.4	416.4
47.5°	456.6	455.8	450.1	443.7	444.5	448.5	447.7	448.5	451.7	455.0	457.4
50°	500.0	497.6	491.1	489.5	493.5	497.6	494.3	493.5	498.4	500.0	499.2
52.5°	547.4	545.0	541.8	541.8	551.4	558.6	556.2	549.0	549.0	548.2	547.4
55°	603.7	602.1	601.2	605.3	621.3	635.8	627.0	613.3	607.7	604.5	606.1
57.5°	662.3	658.3	665.6	674.4	706.5	727.4	713.8	688.1	680.0	673.6	670.4
60°	721.8	720.2	730.7	751.6	797.4	832.7	814.3	771.7	757.2	742.7	742.7
62.5°	779.7	778.1	793.4	825.5	897.9	950.1	916.3	862.5	834.4	812.7	809.4
65°	849.6	847.2	864.1	898.7	995.1	1061.0	1018.4	947.7	913.9	884.2	880.2
67.5°	906.7	906.7	929.2	971.8	1077.1	1146.2	1093.2	1032.1	992.7	962.2	958.9
70°	961.4	966.2	983.1	1024.9	1139.8	1202.5	1154.3	1099.6	1064.2	1033.7	1030.5
72.5°	984.7	991.1	1008.0	1049.0	1167.1	1240.3	1184.0	1121.3	1083.5	1053.0	1049.0
74°	941.3	948.5	973.4	1025.7	1159.1	1241.9	1182.4	1099.6	1040.1	1002.3	1002.3
75°	892.2	901.9	931.6	987.9	1142.2	1233.0	1165.5	1065.0	982.3	938.0	940.5
77.5°	688.1	709.0	741.1	829.5	1024.9	1157.5	1036.1	854.4	721.8	655.9	654.3
80°	196.1	225.1	298.2	495.1	778.9	922.0	761.2	505.6	356.9	271.7	261.2
82.5°	47.4	55.5	76.4	139.9	332.8	520.9	377.0	165.6	99.7	65.1	52.2
85°	20.1	21.7	34.6	48.2	91.6	138.3	87.6	56.3	41.0	18.5	17.7
87.5°	7.2	8.0	12.9	12.9	19.3	11.3	20.1	13.7	14.5	4.8	4.8
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)