

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: P593956

Luminaire Tested: **ISC-PA1A-730-U-5WQ**

Issue Date: 3/22/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P593956  
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-730-U-5WQ  
Description: IMPACT ELITE LED CYLINDER LUMINAIRE  
(1) 70 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: 3875 lumens  
Efficiency: N/A  
Efficacy: 134.1 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

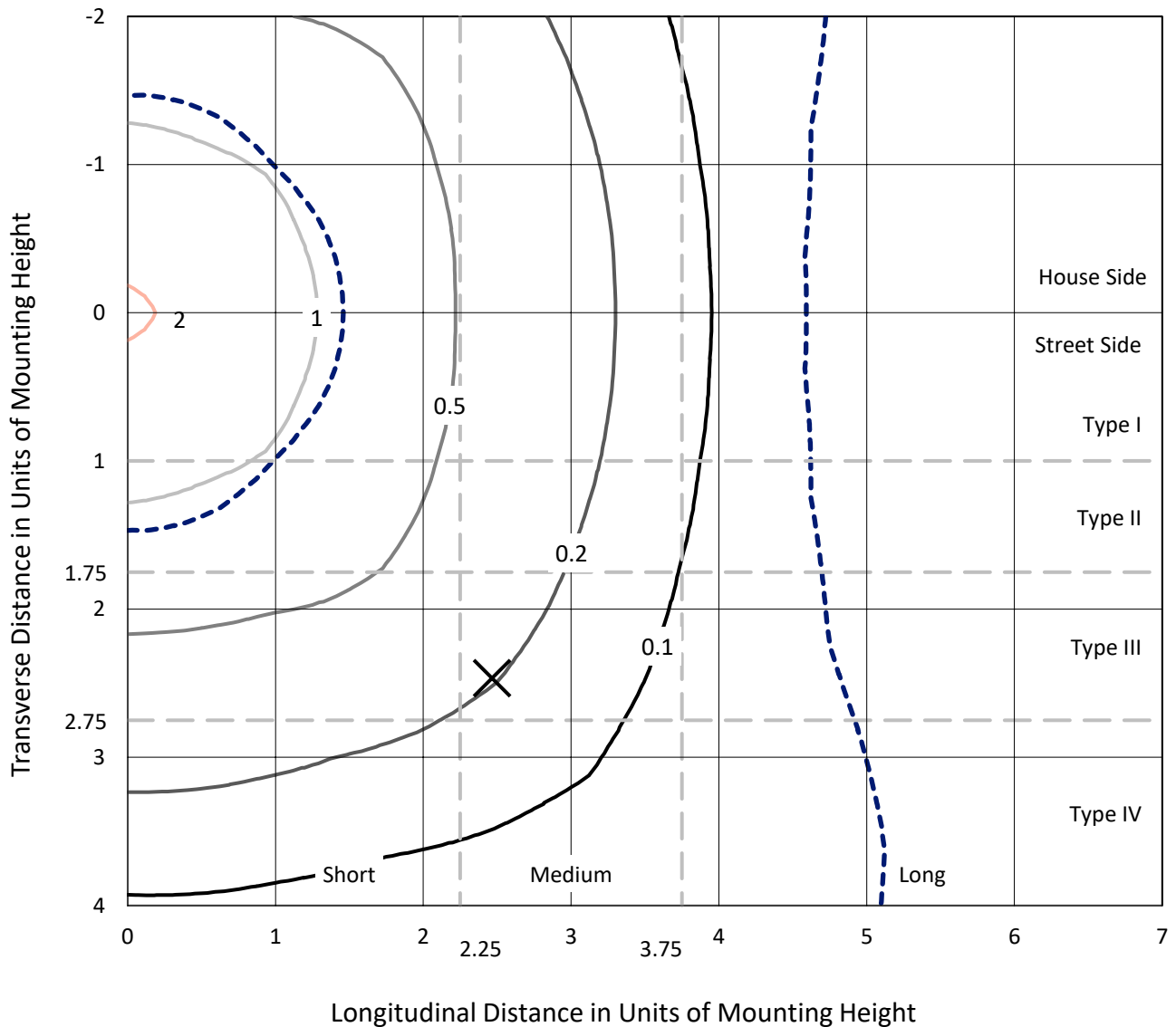
Input Watts (W): 28.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

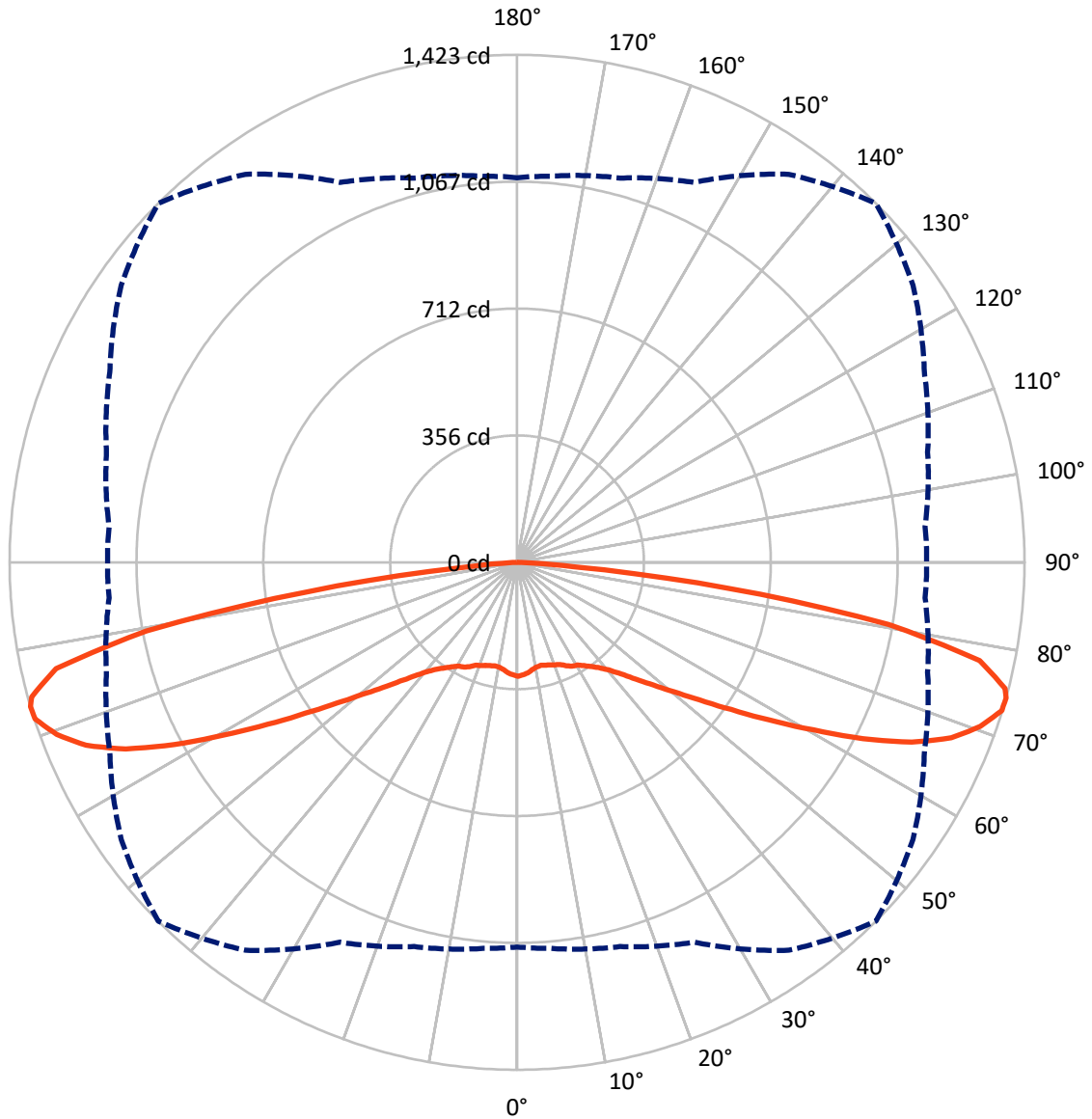
× Max cd  
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 2.2 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	1937.5	0.0	1937.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1937.5	0.0	1937.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3875.0	0.0	3875.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.3	0.8
10°-20°	85.8	2.2
20°-30°	148.3	3.8
30°-40°	227.1	5.9
40°-50°	369.4	9.5
50°-60°	640.7	16.5
60°-70°	1061.0	27.4
70°-80°	1148.0	29.6
80°-90°	165.4	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°	3875.0	100.0
0°-180°	3875.0	100.0

**Coefficient of Utilization**

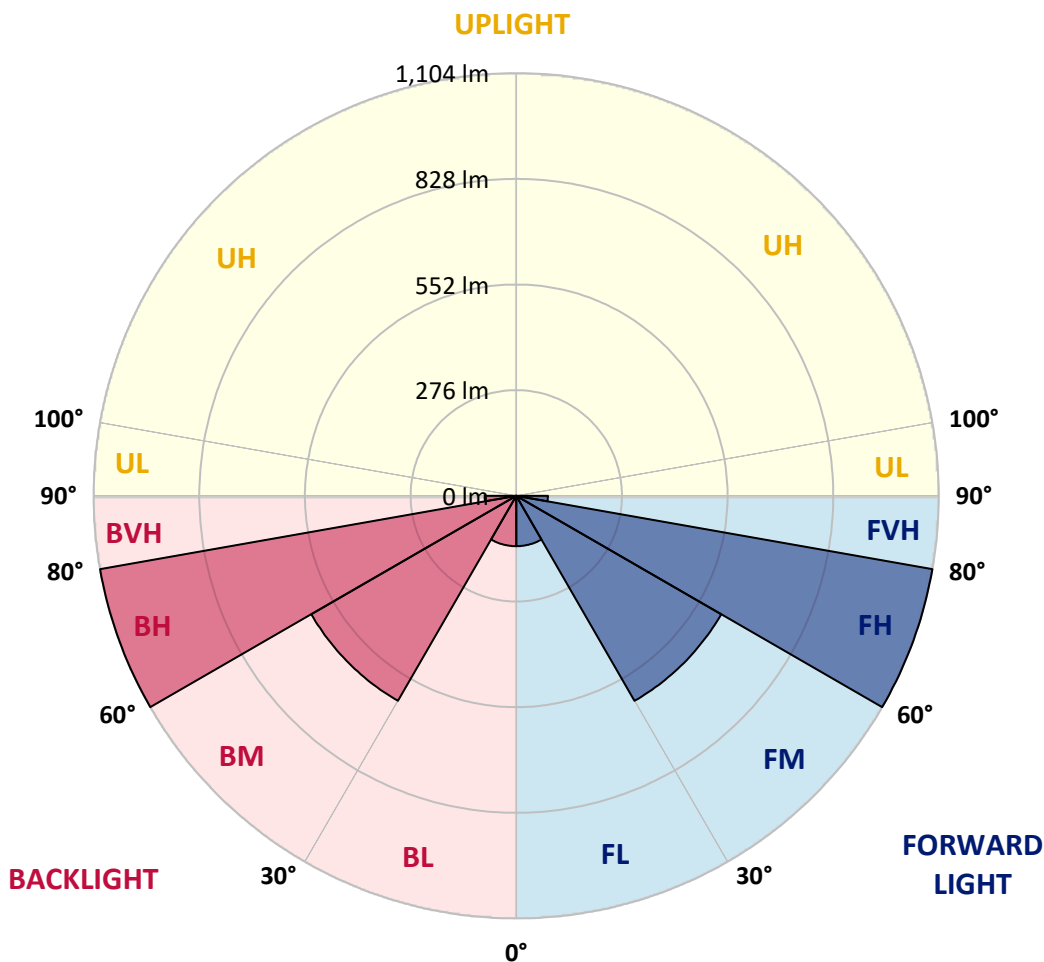


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	131.7	3.4			
FM (30°-60°)	618.6	16.0			
FH (60°-80°)	1104.5	28.5			G1/1800
FVH (80°-90°)	82.7	2.1			G1/100
BL (0°-30°)	131.7	3.4	B1/500		
BM (30°-60°)	618.6	16.0	B1/1000		
BH (60°-80°)	1104.5	28.5	B3/2500		G1/1800
BVH (80°-90°)	82.7	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°	319.7	319.7	319.7	319.7	319.7	319.7	319.7	319.7	319.7	319.7	319.7
2.5°	315.1	316.0	316.0	315.1	316.0	316.0	316.0	316.9	316.0	317.8	316.9
5°	310.5	310.5	311.4	310.5	310.5	311.4	310.5	312.3	311.4	313.2	311.4
7.5°	303.1	303.1	303.1	303.1	304.0	304.0	304.0	305.9	305.9	305.9	304.9
10°	301.2	300.3	300.3	298.5	298.5	298.5	297.6	300.3	301.2	303.1	302.2
12.5°	302.2	302.2	300.3	298.5	297.6	296.6	296.6	299.4	302.2	303.1	303.1
15°	305.9	305.9	303.1	299.4	299.4	299.4	298.5	299.4	304.0	305.9	304.0
17.5°	308.6	307.7	304.9	303.1	303.1	302.2	302.2	302.2	304.9	307.7	307.7
20°	313.2	313.2	309.5	307.7	307.7	306.8	305.9	304.9	307.7	311.4	310.5
22.5°	319.7	317.8	315.1	313.2	312.3	311.4	309.5	310.5	312.3	315.1	315.1
25°	324.3	324.3	321.5	320.6	321.5	321.5	318.8	316.9	317.8	320.6	320.6
27.5°	326.1	326.1	324.3	324.3	328.0	329.8	326.1	322.4	320.6	323.4	322.4
30°	333.5	333.5	331.7	330.7	333.5	334.4	332.6	329.8	328.9	331.7	330.7
32.5°	346.4	345.5	342.7	339.9	340.9	345.5	341.8	340.9	340.9	343.6	344.5
35°	361.1	359.3	356.5	353.8	354.7	359.3	355.6	355.6	356.5	360.2	360.2
37.5°	382.3	380.5	376.8	370.3	369.4	375.0	374.0	375.0	378.6	380.5	382.3
40°	405.4	404.4	399.8	394.3	393.4	397.1	398.0	399.8	403.5	405.4	406.3
42.5°	438.5	436.7	429.3	423.8	422.9	427.5	429.3	431.1	435.8	437.6	439.4
45°	479.1	478.1	469.8	463.4	460.6	467.1	467.1	468.9	473.5	477.2	477.2
47.5°	523.3	522.4	515.9	508.5	509.5	514.1	513.1	514.1	517.7	521.4	524.2
50°	573.0	570.3	562.9	561.0	565.6	570.3	566.6	565.6	571.2	573.0	572.1
52.5°	627.4	624.6	620.9	620.9	632.0	640.3	637.5	629.2	629.2	628.3	627.4
55°	691.9	690.0	689.1	693.7	712.1	728.7	718.6	702.9	696.5	692.8	694.6
57.5°	759.1	754.5	762.8	772.9	809.8	833.7	818.1	788.6	779.4	772.0	768.3
60°	827.3	825.4	837.4	861.4	913.9	954.4	933.2	884.4	867.8	851.2	851.2
62.5°	893.6	891.8	909.3	946.1	1029.0	1088.9	1050.2	988.5	956.3	931.4	927.7
65°	973.8	971.0	990.3	1030.0	1140.5	1216.1	1167.2	1086.2	1047.5	1013.4	1008.8
67.5°	1039.2	1039.2	1065.0	1113.8	1234.5	1313.7	1252.9	1182.9	1137.7	1102.7	1099.1
70°	1101.8	1107.3	1126.7	1174.6	1306.3	1378.2	1322.9	1260.3	1219.7	1184.7	1181.0
72.5°	1128.5	1135.9	1155.3	1202.2	1337.7	1421.5	1357.0	1285.1	1241.8	1206.8	1202.2
74°	1078.8	1087.1	1115.6	1175.5	1328.4	1423.3	1355.2	1260.3	1192.1	1148.8	1148.8
75°	1022.6	1033.6	1067.7	1132.2	1309.1	1413.2	1335.8	1220.7	1125.8	1075.1	1077.9
77.5°	788.6	812.5	849.4	950.7	1174.6	1326.6	1187.5	979.3	827.3	751.7	749.9
80°	224.8	258.0	341.8	567.5	892.7	1056.7	872.4	579.5	409.0	311.4	299.4
82.5°	54.4	63.6	87.5	160.3	381.4	597.0	432.1	189.8	114.2	74.6	59.9
85°	23.0	24.9	39.6	55.3	105.0	158.5	100.4	64.5	47.0	21.2	20.3
87.5°	8.3	9.2	14.7	14.7	22.1	12.9	23.0	15.7	16.6	5.5	5.5
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)