

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: P594001

Luminaire Tested: **ISC-PA1A-827-U-5WQ**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P594001
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-827-U-5WQ
Description: IMPACT ELITE LED CYLINDER LUMINAIRE
(1) 80 CRI, 2700K, 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: 3128 lumens
Efficiency: N/A
Efficacy: 108.2 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

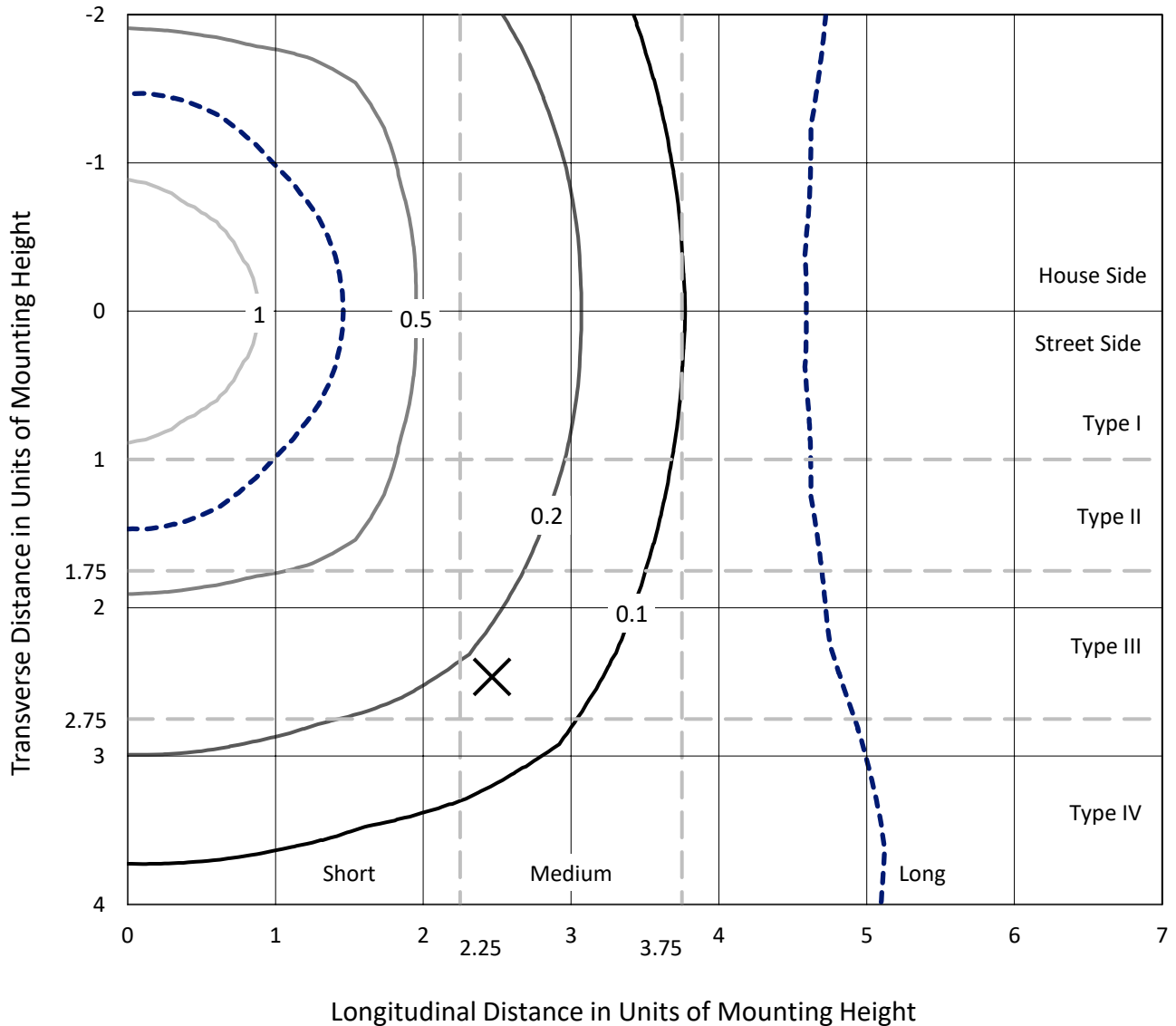
Input Watts (W): 28.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

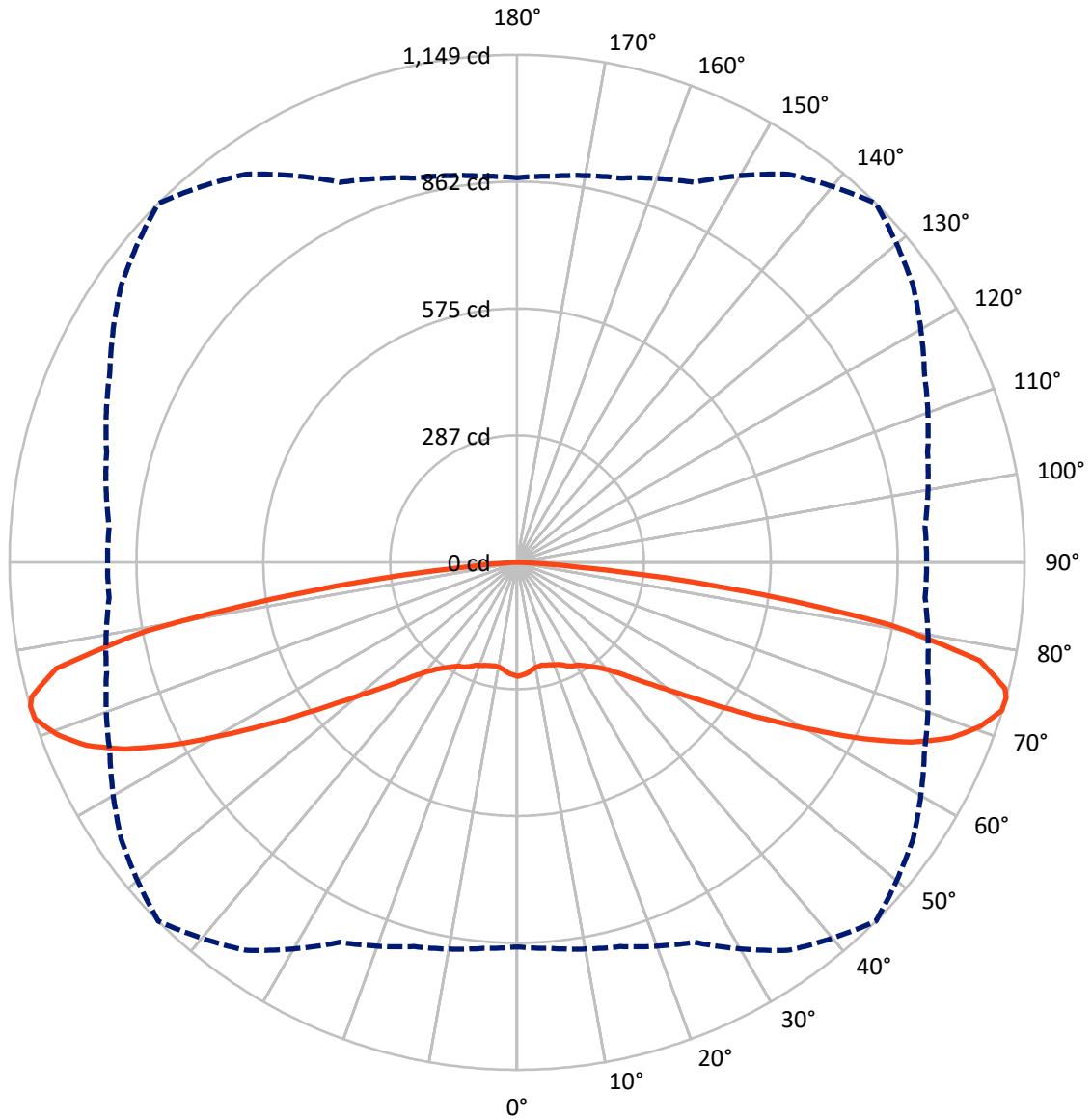
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 1.8 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	1564.0	0.0	1564.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1564.0	0.0	1564.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3128.0	0.0	3128.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.7	0.8
10°-20°	69.3	2.2
20°-30°	119.7	3.8
30°-40°	183.3	5.9
40°-50°	298.2	9.5
50°-60°	517.2	16.5
60°-70°	856.5	27.4
70°-80°	926.7	29.6
80°-90°	133.5	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°	3128.0	100.0
0°-180°	3128.0	100.0

Coefficient of Utilization



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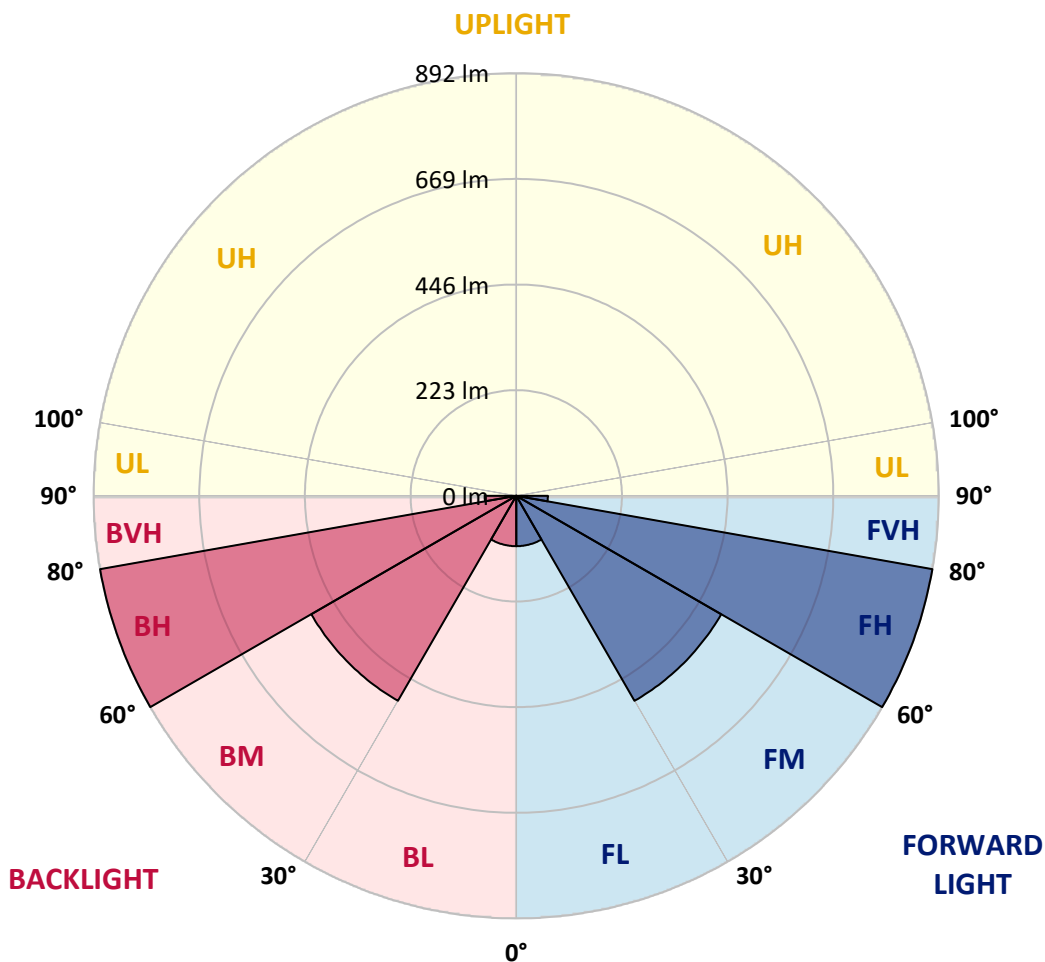
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	106.3	3.4			
FM (30°-60°)	499.3	16.0			
FH (60°-80°)	891.6	28.5			G1/1800
FVH (80°-90°)	66.8	2.1			G1/100
BL (0°-30°)	106.3	3.4	B0/110		
BM (30°-60°)	499.3	16.0	B1/1000		
BH (60°-80°)	891.6	28.5	B2/1000		G1/1800
BVH (80°-90°)	66.8	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°	258.0	258.0	258.0	258.0	258.0	258.0	258.0	258.0	258.0	258.0	258.0
2.5°	254.3	255.1	255.1	254.3	255.1	255.1	255.1	255.8	255.1	256.6	255.8
5°	250.6	250.6	251.4	250.6	250.6	251.4	250.6	252.1	251.4	252.8	251.4
7.5°	244.7	244.7	244.7	244.7	245.4	245.4	245.4	246.9	246.9	246.9	246.2
10°	243.2	242.4	242.4	240.9	240.9	240.9	240.2	242.4	243.2	244.7	243.9
12.5°	243.9	243.9	242.4	240.9	240.2	239.5	239.5	241.7	243.9	244.7	244.7
15°	246.9	246.9	244.7	241.7	241.7	241.7	240.9	241.7	245.4	246.9	245.4
17.5°	249.1	248.4	246.2	244.7	244.7	243.9	243.9	243.9	246.2	248.4	248.4
20°	252.8	252.8	249.9	248.4	248.4	247.6	246.9	246.2	248.4	251.4	250.6
22.5°	258.0	256.6	254.3	252.8	252.1	251.4	249.9	250.6	252.1	254.3	254.3
25°	261.8	261.8	259.5	258.8	259.5	259.5	257.3	255.8	256.6	258.8	258.8
27.5°	263.3	263.3	261.8	261.8	264.7	266.2	263.3	260.3	258.8	261.0	260.3
30°	269.2	269.2	267.7	267.0	269.2	269.9	268.5	266.2	265.5	267.7	267.0
32.5°	279.6	278.9	276.6	274.4	275.2	278.9	275.9	275.2	275.2	277.4	278.1
35°	291.5	290.0	287.8	285.6	286.3	290.0	287.1	287.1	287.8	290.8	290.8
37.5°	308.6	307.1	304.2	299.0	298.2	302.7	301.9	302.7	305.6	307.1	308.6
40°	327.2	326.5	322.7	318.3	317.5	320.5	321.3	322.7	325.7	327.2	328.0
42.5°	354.0	352.5	346.5	342.1	341.3	345.1	346.5	348.0	351.8	353.2	354.7
45°	386.7	386.0	379.3	374.1	371.8	377.0	377.0	378.5	382.2	385.2	385.2
47.5°	422.4	421.7	416.4	410.5	411.2	415.0	414.2	415.0	417.9	420.9	423.1
50°	462.6	460.3	454.4	452.9	456.6	460.3	457.4	456.6	461.1	462.6	461.8
52.5°	506.4	504.2	501.2	501.2	510.2	516.8	514.6	507.9	507.9	507.2	506.4
55°	558.5	557.0	556.3	560.0	574.8	588.2	580.1	567.4	562.2	559.2	560.7
57.5°	612.8	609.1	615.8	623.9	653.7	673.0	660.4	636.6	629.1	623.2	620.2
60°	667.8	666.3	676.0	695.3	737.7	770.4	753.3	713.9	700.5	687.1	687.1
62.5°	721.3	719.9	734.0	763.7	830.7	879.0	847.8	797.9	771.9	751.8	748.9
65°	786.0	783.8	799.4	831.4	920.7	981.6	942.2	876.8	845.5	818.0	814.3
67.5°	838.8	838.8	859.7	899.1	996.5	1060.5	1011.4	954.9	918.4	890.2	887.2
70°	889.4	893.9	909.5	948.2	1054.5	1112.5	1067.9	1017.3	984.6	956.3	953.4
72.5°	911.0	916.9	932.5	970.5	1079.8	1147.5	1095.4	1037.4	1002.5	974.2	970.5
74°	870.8	877.5	900.6	948.9	1072.4	1149.0	1093.9	1017.3	962.3	927.3	927.3
75°	825.5	834.4	861.9	914.0	1056.7	1140.8	1078.3	985.3	908.8	867.9	870.1
77.5°	636.6	655.9	685.7	767.5	948.2	1070.9	958.6	790.5	667.8	606.8	605.3
80°	181.5	208.2	275.9	458.1	720.6	853.0	704.2	467.8	330.2	251.4	241.7
82.5°	43.9	51.3	70.6	129.4	307.9	481.9	348.8	153.2	92.2	60.2	48.3
85°	18.6	20.1	32.0	44.6	84.8	127.9	81.1	52.1	37.9	17.1	16.4
87.5°	6.7	7.4	11.9	11.9	17.8	10.4	18.6	12.6	13.4	4.5	4.5
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)