

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: P594415

Luminaire Tested: **ISC-PA1F-827-U-5WQ**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P594415
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-PA1F-827-U-5WQ
Description: IMPACT ELITE LED CYLINDER LUMINAIRE
(1) 80 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8555 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')
IES Classification: Type V - Medium
BUG Rating: B3 - U0 - G2

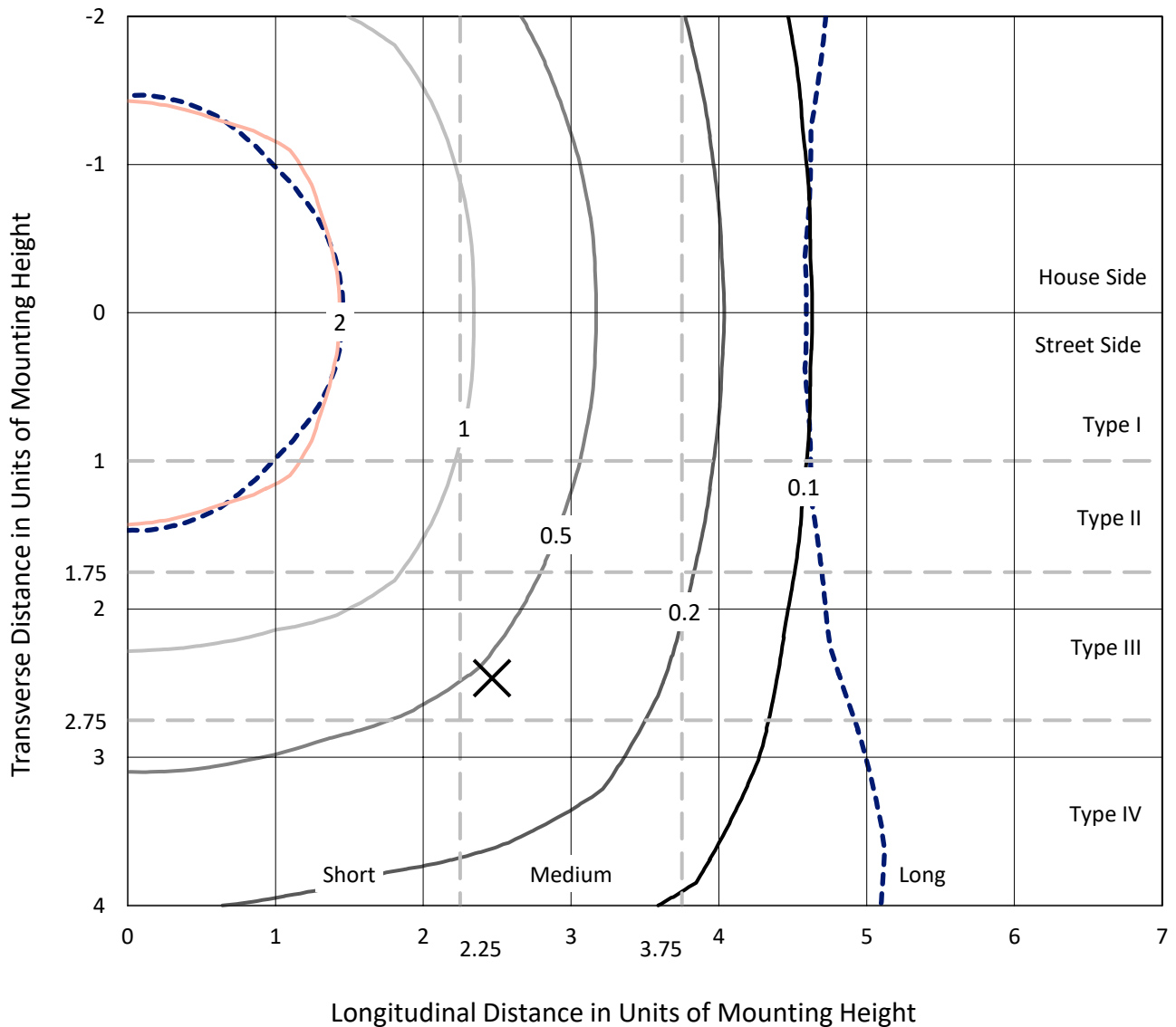
Input Watts (W): 94.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

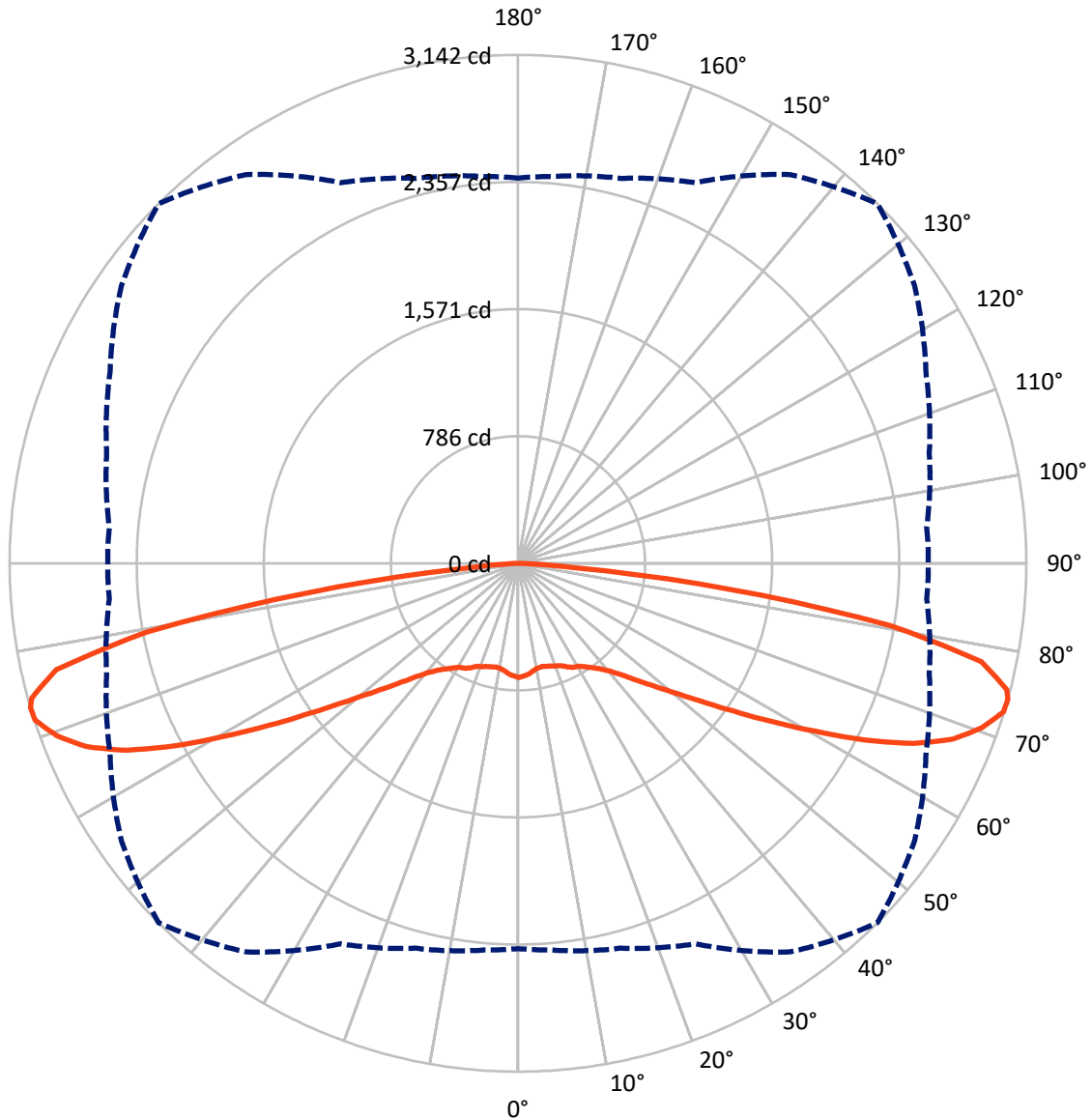
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 4.9 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
House Side	Lumens	4277.5	0.0	4277.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4277.5	0.0	4277.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8555.0	0.0	8555.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.7	0.8
10°-20°	189.5	2.2
20°-30°	327.3	3.8
30°-40°	501.3	5.9
40°-50°	815.6	9.5
50°-60°	1414.4	16.5
60°-70°	2342.4	27.4
70°-80°	2534.5	29.6
80°-90°	365.2	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°	8555.0	100.0
0°-180°	8555.0	100.0

Coefficient of Utilization



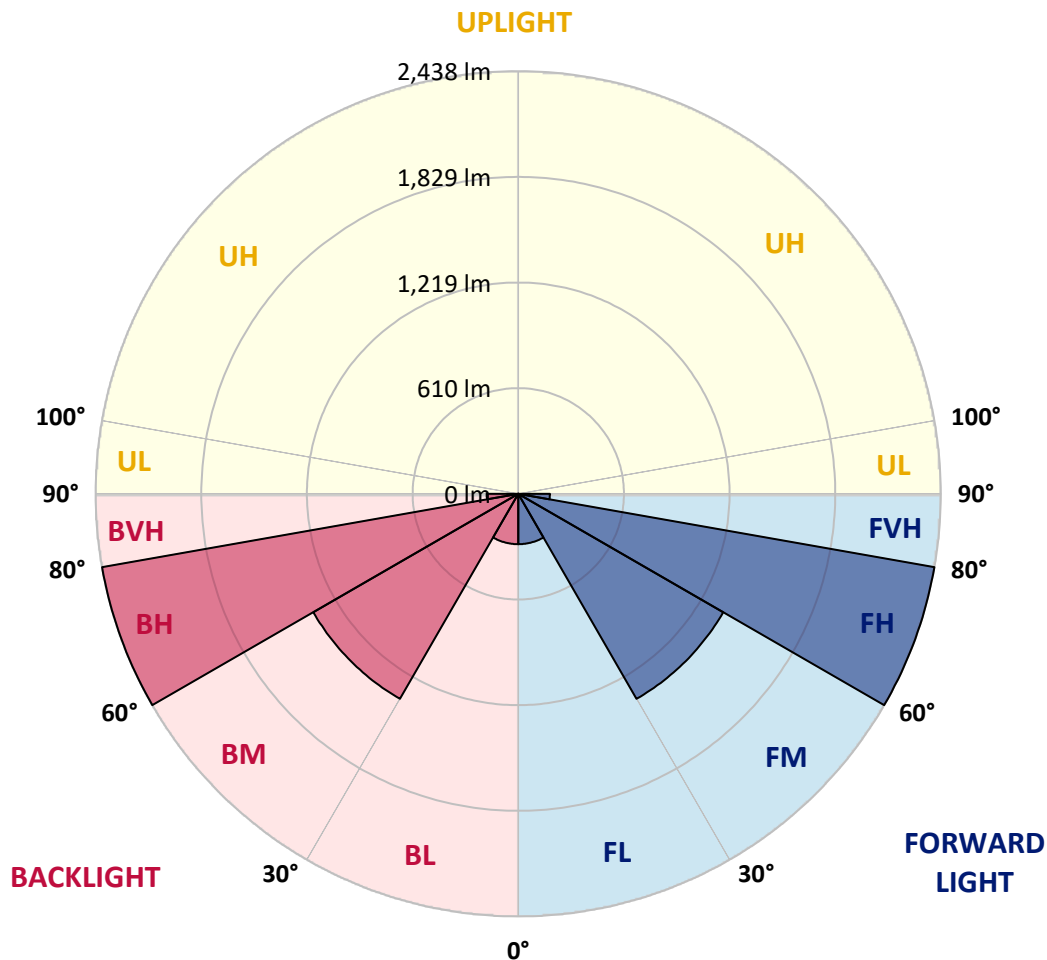
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	290.8	3.4			
FM (30°-60°)	1365.7	16.0			
FH (60°-80°)	2438.4	28.5			G2/5000
FVH (80°-90°)	182.6	2.1			G2/225
BL (0°-30°)	290.8	3.4	B1/500		
BM (30°-60°)	1365.7	16.0	B2/2500		
BH (60°-80°)	2438.4	28.5	B3/2500		G2/5000
BVH (80°-90°)	182.6	2.1			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	705.8	705.8	705.8	705.8	705.8	705.8	705.8	705.8	705.8	705.8	705.8
2.5°	695.6	697.6	697.6	695.6	697.6	697.6	697.6	699.7	697.6	701.7	699.7
5°	685.4	685.4	687.5	685.4	685.4	685.4	685.4	689.5	687.5	691.5	687.5
7.5°	669.1	669.1	669.1	669.1	671.2	671.2	671.2	675.3	675.3	675.3	673.2
10°	665.1	663.0	663.0	659.0	659.0	659.0	656.9	663.0	665.1	669.1	667.1
12.5°	667.1	667.1	663.0	659.0	656.9	654.9	654.9	661.0	667.1	669.1	669.1
15°	675.3	675.3	669.1	661.0	661.0	661.0	659.0	661.0	671.2	675.3	671.2
17.5°	681.4	679.3	673.2	669.1	669.1	667.1	667.1	667.1	673.2	679.3	679.3
20°	691.5	691.5	683.4	679.3	679.3	677.3	675.3	673.2	679.3	687.5	685.4
22.5°	705.8	701.7	695.6	691.5	689.5	687.5	683.4	685.4	689.5	695.6	695.6
25°	715.9	715.9	709.8	707.8	709.8	709.8	703.7	699.7	701.7	707.8	707.8
27.5°	720.0	720.0	715.9	715.9	724.1	728.1	720.0	711.9	707.8	713.9	711.9
30°	736.3	736.3	732.2	730.2	736.3	738.3	734.2	728.1	726.1	732.2	730.2
32.5°	764.7	762.7	756.6	750.5	752.5	762.7	754.6	752.5	752.5	758.6	760.7
35°	797.3	793.2	787.1	781.0	783.0	793.2	785.1	785.1	787.1	795.3	795.3
37.5°	844.1	840.0	831.9	817.6	815.6	827.8	825.8	827.8	835.9	840.0	844.1
40°	894.9	892.9	882.7	870.5	868.5	876.6	878.6	882.7	890.8	894.9	896.9
42.5°	968.1	964.1	947.8	935.6	933.6	943.7	947.8	951.9	962.0	966.1	970.2
45°	1057.6	1055.6	1037.3	1023.0	1016.9	1031.2	1031.2	1035.3	1045.4	1053.6	1053.6
47.5°	1155.2	1153.2	1139.0	1122.7	1124.7	1134.9	1132.9	1134.9	1143.0	1151.2	1157.3
50°	1265.1	1259.0	1242.7	1238.6	1248.8	1259.0	1250.8	1248.8	1261.0	1265.1	1263.0
52.5°	1385.1	1379.0	1370.8	1370.8	1395.2	1413.6	1407.5	1389.1	1389.1	1387.1	1385.1
55°	1527.5	1523.4	1521.3	1531.5	1572.2	1608.8	1586.4	1551.9	1537.6	1529.5	1533.6
57.5°	1675.9	1665.8	1684.1	1706.4	1787.8	1840.7	1806.1	1741.0	1720.7	1704.4	1696.3
60°	1826.4	1822.4	1848.8	1901.7	2017.6	2107.1	2060.3	1952.5	1915.9	1879.3	1879.3
62.5°	1972.9	1968.8	2007.4	2088.8	2271.9	2404.1	2318.6	2182.4	2111.2	2056.3	2048.1
65°	2149.8	2143.7	2186.4	2273.9	2518.0	2684.7	2576.9	2398.0	2312.5	2237.3	2227.1
67.5°	2294.2	2294.2	2351.2	2459.0	2725.4	2900.3	2766.1	2611.5	2511.9	2434.6	2426.4
70°	2432.5	2444.7	2487.4	2593.2	2884.1	3042.7	2920.7	2782.4	2692.9	2615.6	2607.4
72.5°	2491.5	2507.8	2550.5	2654.2	2953.2	3138.3	2995.9	2837.3	2741.7	2664.4	2654.2
74°	2381.7	2400.0	2463.0	2595.2	2932.9	3142.4	2991.9	2782.4	2631.9	2536.3	2536.3
75°	2257.6	2282.0	2357.3	2499.7	2890.2	3120.0	2949.1	2694.9	2485.4	2373.5	2379.7
77.5°	1741.0	1793.9	1875.2	2099.0	2593.2	2928.8	2621.7	2162.0	1826.4	1659.7	1655.6
80°	496.3	569.5	754.6	1252.9	1970.8	2332.9	1926.1	1279.3	903.0	687.5	661.0
82.5°	120.0	140.3	193.2	353.9	842.0	1318.0	953.9	419.0	252.2	164.7	132.2
85°	50.8	54.9	87.5	122.0	231.9	349.8	221.7	142.4	103.7	46.8	44.7
87.5°	18.3	20.3	32.5	32.5	48.8	28.5	50.8	34.6	36.6	12.2	12.2
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)