

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: P594199

Luminaire Tested: **ISC-PA1D-727-U-5WQ**

Issue Date: 3/22/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P594199  
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-PA1D-727-U-5WQ  
Description: IMPACT ELITE LED CYLINDER LUMINAIRE  
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7234 lumens  
Efficiency: N/A  
Efficacy: 114.8 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

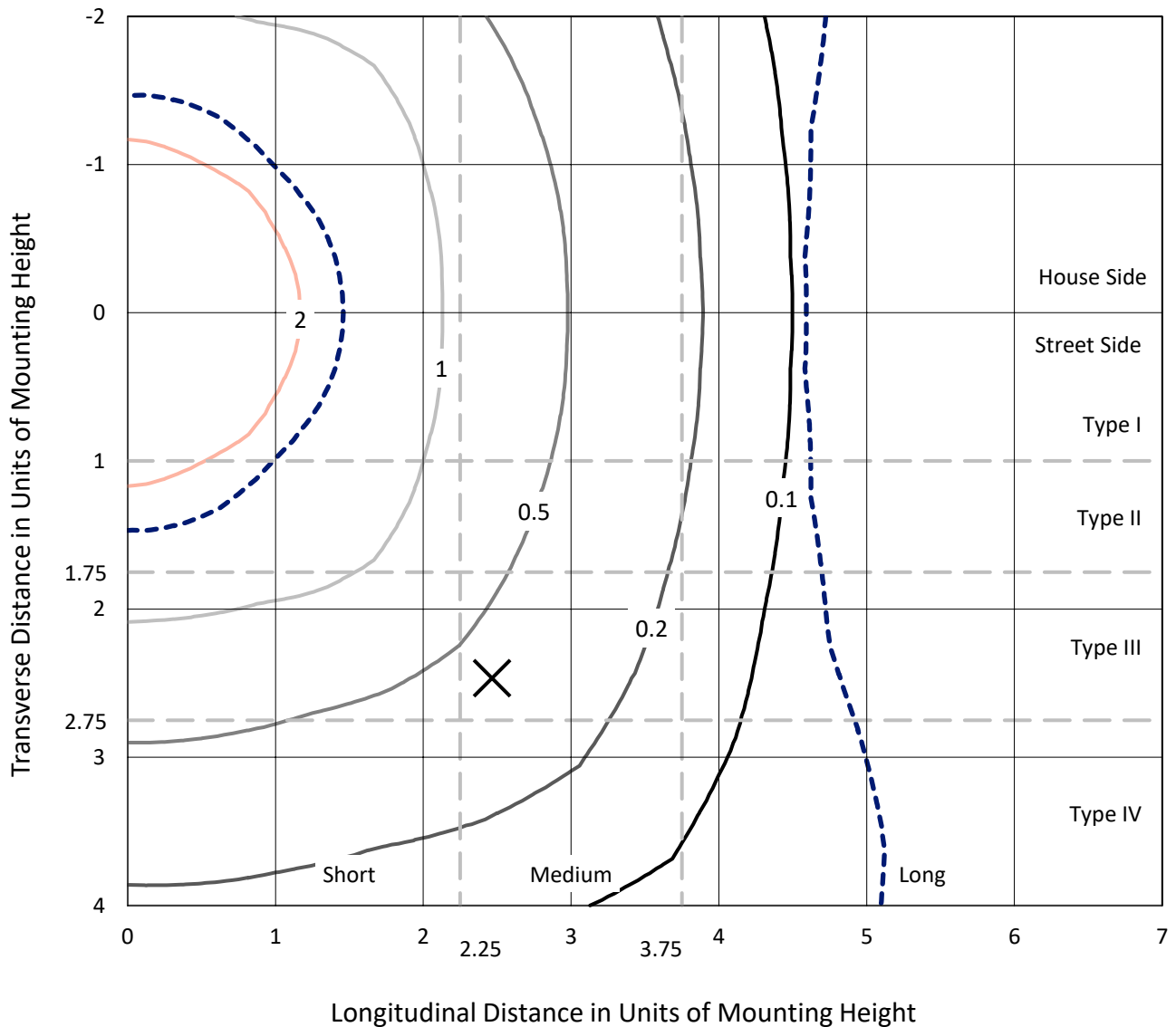
Input Watts (W): 63  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P594199  
 CATALOG NUMBER: ISC-PA1D-727-U-5WQ

### Iso-Footcandle Lines of Horizontal Illumination

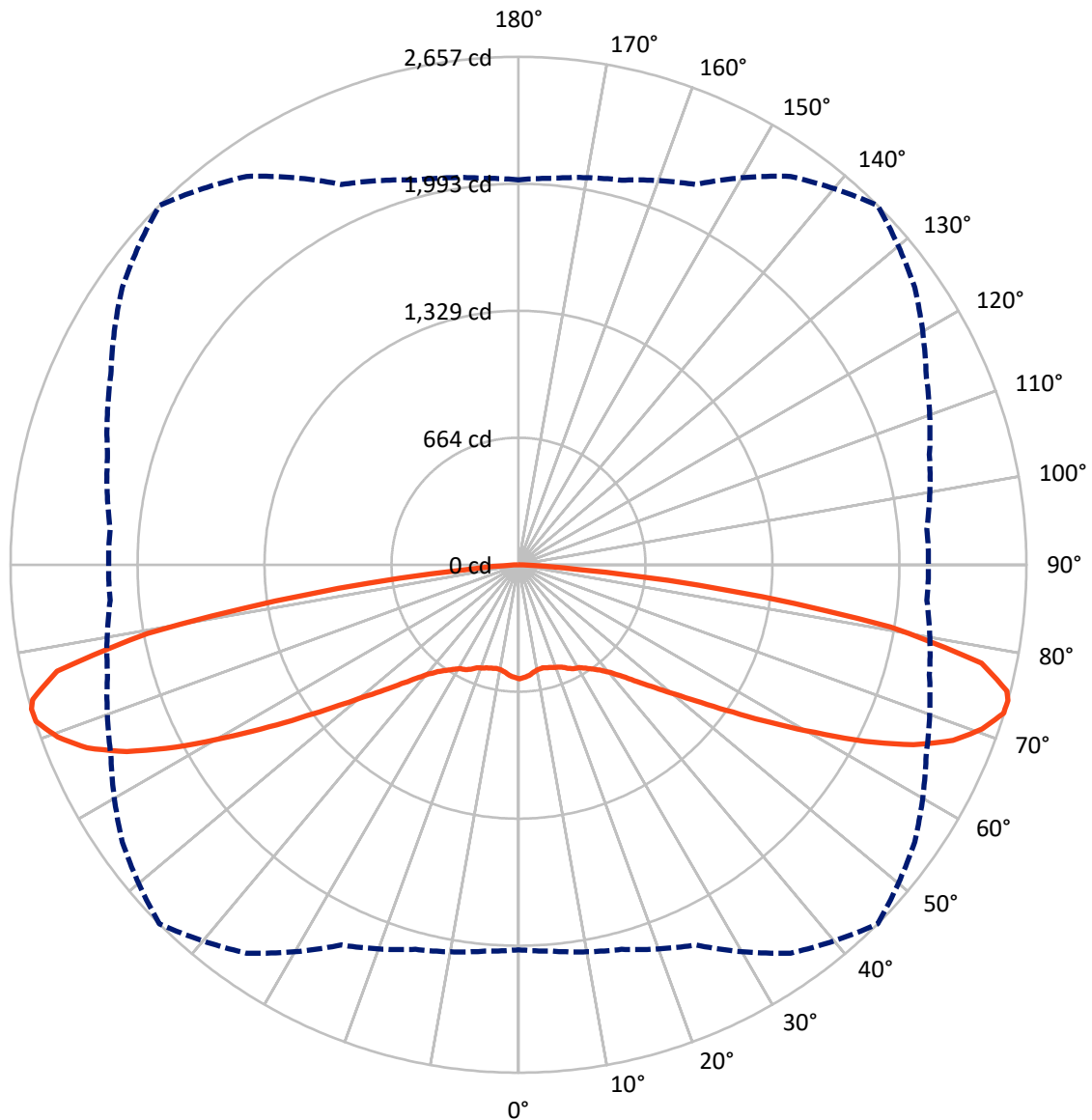
× Max cd  
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 4.1 fc  
 Type V - Medium - N/A

REPORT NUMBER: P594199  
CATALOG NUMBER: ISC-PA1D-727-U-5WQ

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 74-Deg Vertical

REPORT NUMBER: P594199  
 CATALOG NUMBER: ISC-PA1D-727-U-5WQ

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3617.0	0.0	3617.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3617.0	0.0	3617.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7234.0	0.0	7234.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.7	0.8
10°-20°	160.2	2.2
20°-30°	276.8	3.8
30°-40°	423.9	5.9
40°-50°	689.7	9.5
50°-60°	1196.0	16.5
60°-70°	1980.7	27.4
70°-80°	2143.1	29.6
80°-90°	308.9	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°	7234.0	100.0
0°-180°	7234.0	100.0

**Coefficient of Utilization**

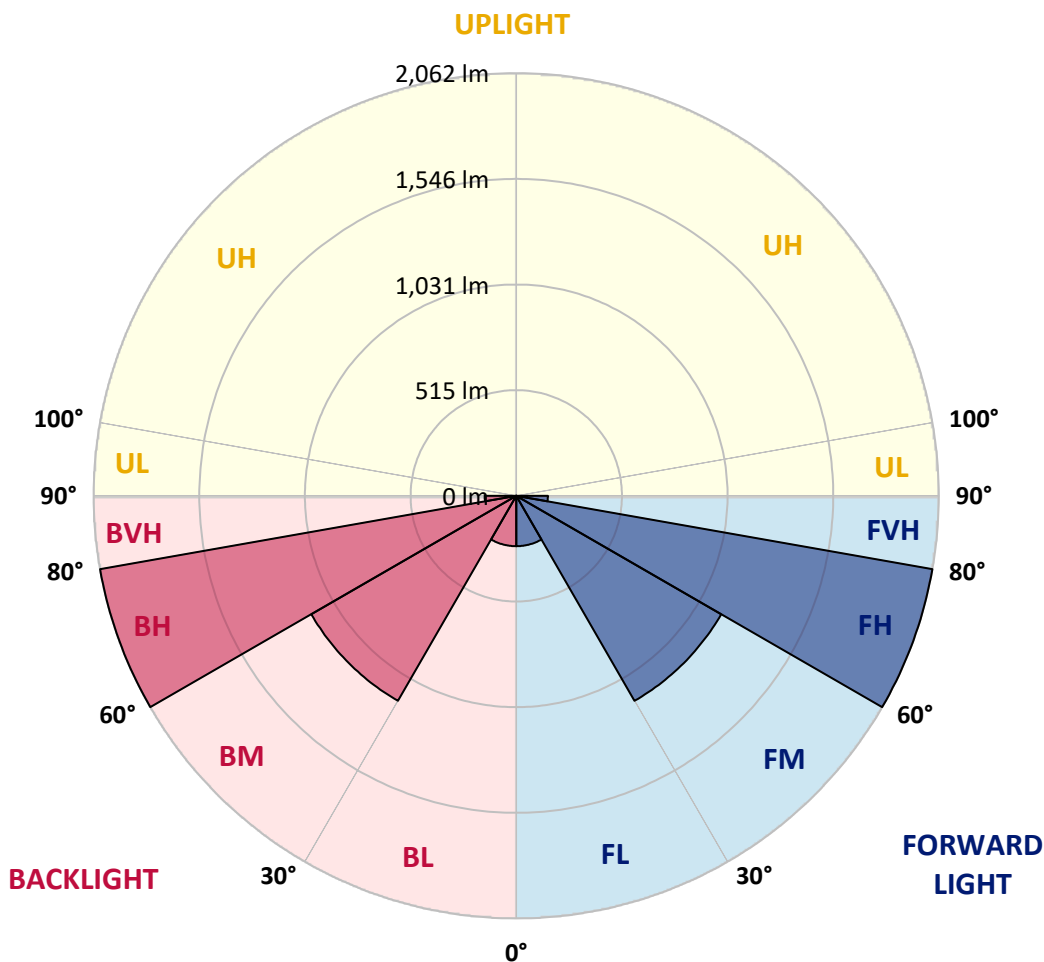


REPORT NUMBER: P594199  
 CATALOG NUMBER: ISC-PA1D-727-U-5WQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	245.9	3.4			
FM (30°-60°)	1154.8	16.0			
FH (60°-80°)	2061.9	28.5			G2/5000
FVH (80°-90°)	154.4	2.1			G2/225
BL (0°-30°)	245.9	3.4	B1/500		
BM (30°-60°)	1154.8	16.0	B2/2500		
BH (60°-80°)	2061.9	28.5	B3/2500		G2/5000
BVH (80°-90°)	154.4	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





REPORT NUMBER: P594199  
 CATALOG NUMBER: ISC-PA1D-727-U-5WQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	596.8	596.8	596.8	596.8	596.8	596.8	596.8	596.8	596.8	596.8	596.8
2.5°	588.2	589.9	589.9	588.2	589.9	589.9	589.9	591.6	589.9	593.3	591.6
5°	579.6	579.6	581.3	579.6	579.6	581.3	579.6	583.0	581.3	584.7	581.3
7.5°	565.8	565.8	565.8	565.8	567.5	567.5	567.5	571.0	571.0	571.0	569.3
10°	562.4	560.7	560.7	557.2	557.2	557.2	555.5	560.7	562.4	565.8	564.1
12.5°	564.1	564.1	560.7	557.2	555.5	553.8	553.8	558.9	564.1	565.8	565.8
15°	571.0	571.0	565.8	558.9	558.9	558.9	557.2	558.9	567.5	571.0	567.5
17.5°	576.1	574.4	569.3	565.8	565.8	564.1	564.1	564.1	569.3	574.4	574.4
20°	584.7	584.7	577.9	574.4	574.4	572.7	571.0	569.3	574.4	581.3	579.6
22.5°	596.8	593.3	588.2	584.7	583.0	581.3	577.9	579.6	583.0	588.2	588.2
25°	605.4	605.4	600.2	598.5	600.2	600.2	595.1	591.6	593.3	598.5	598.5
27.5°	608.8	608.8	605.4	605.4	612.3	615.7	608.8	601.9	598.5	603.7	601.9
30°	622.6	622.6	619.1	617.4	622.6	624.3	620.9	615.7	614.0	619.1	617.4
32.5°	646.7	644.9	639.8	634.6	636.3	644.9	638.1	636.3	636.3	641.5	643.2
35°	674.2	670.7	665.6	660.4	662.1	670.7	663.9	663.9	665.6	672.5	672.5
37.5°	713.7	710.3	703.4	691.4	689.7	700.0	698.3	700.0	706.9	710.3	713.7
40°	756.7	755.0	746.4	736.1	734.4	741.2	743.0	746.4	753.3	756.7	758.4
42.5°	818.6	815.2	801.4	791.1	789.4	798.0	801.4	804.9	813.5	816.9	820.4
45°	894.3	892.6	877.1	865.1	859.9	872.0	872.0	875.4	884.0	890.9	890.9
47.5°	976.9	975.1	963.1	949.3	951.1	959.7	957.9	959.7	966.5	973.4	978.6
50°	1069.7	1064.6	1050.8	1047.4	1056.0	1064.6	1057.7	1056.0	1066.3	1069.7	1068.0
52.5°	1171.2	1166.0	1159.2	1159.2	1179.8	1195.3	1190.1	1174.6	1174.6	1172.9	1171.2
55°	1291.6	1288.2	1286.4	1295.0	1329.4	1360.4	1341.5	1312.2	1300.2	1293.3	1296.8
57.5°	1417.1	1408.5	1424.0	1442.9	1511.7	1556.4	1527.2	1472.2	1455.0	1441.2	1434.3
60°	1544.4	1541.0	1563.3	1608.0	1706.1	1781.7	1742.2	1651.0	1620.1	1589.1	1589.1
62.5°	1668.2	1664.8	1697.5	1766.3	1921.1	2032.8	1960.6	1845.4	1785.2	1738.7	1731.9
65°	1817.9	1812.7	1848.8	1922.8	2129.2	2270.2	2179.0	2027.7	1955.4	1891.8	1883.2
67.5°	1940.0	1940.0	1988.1	2079.3	2304.6	2452.5	2339.0	2208.3	2124.0	2058.6	2051.8
70°	2056.9	2067.2	2103.4	2192.8	2438.7	2572.9	2469.7	2352.7	2277.1	2211.7	2204.8
72.5°	2106.8	2120.6	2156.7	2244.4	2497.2	2653.7	2533.3	2399.2	2318.3	2253.0	2244.4
74°	2013.9	2029.4	2082.7	2194.5	2480.0	2657.1	2529.9	2352.7	2225.5	2144.6	2144.6
75°	1909.0	1929.7	1993.3	2113.7	2443.9	2638.2	2493.8	2278.8	2101.6	2007.0	2012.2
77.5°	1472.2	1516.9	1585.7	1774.9	2192.8	2476.6	2216.9	1828.2	1544.4	1403.4	1399.9
80°	419.6	481.6	638.1	1059.4	1666.5	1972.6	1628.7	1081.8	763.6	581.3	558.9
82.5°	101.5	118.7	163.4	299.3	712.0	1114.5	806.6	354.3	213.3	139.3	111.8
85°	43.0	46.4	74.0	103.2	196.1	295.8	187.5	120.4	87.7	39.6	37.8
87.5°	15.5	17.2	27.5	27.5	41.3	24.1	43.0	29.2	31.0	10.3	10.3
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)