

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: P594631

Luminaire Tested: **ISS-PA1C-735-U-5WQ**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P594631
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: ISS-PA1C-735-U-5WQ
Description: IMPACT ELITE LED QUARTER SPHERE LUMINAIRE
(1) 70 CRI, 3500K, 615mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6468 lumens
Efficiency: N/A
Efficacy: 132.3 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

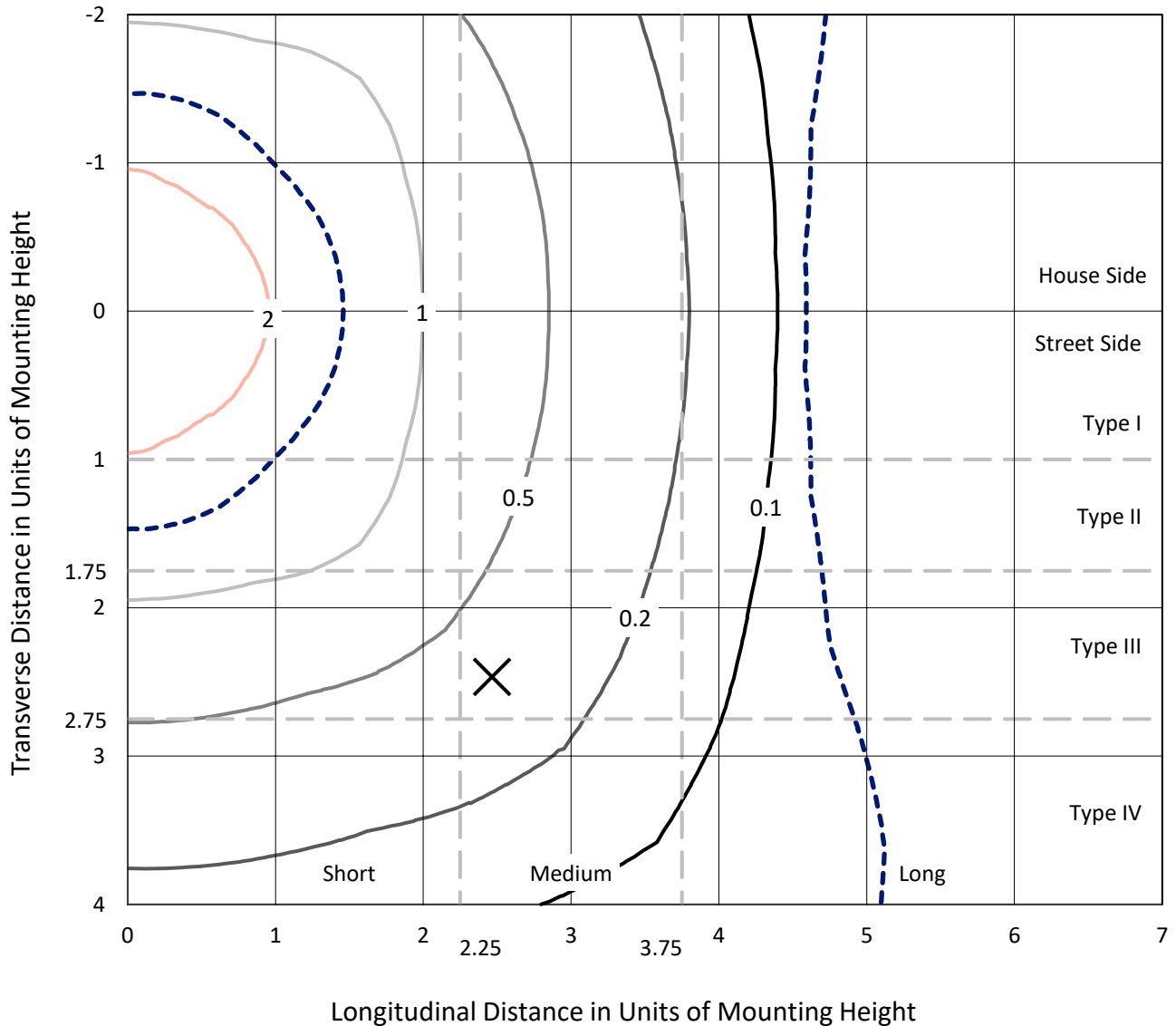
Input Watts (W): 48.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

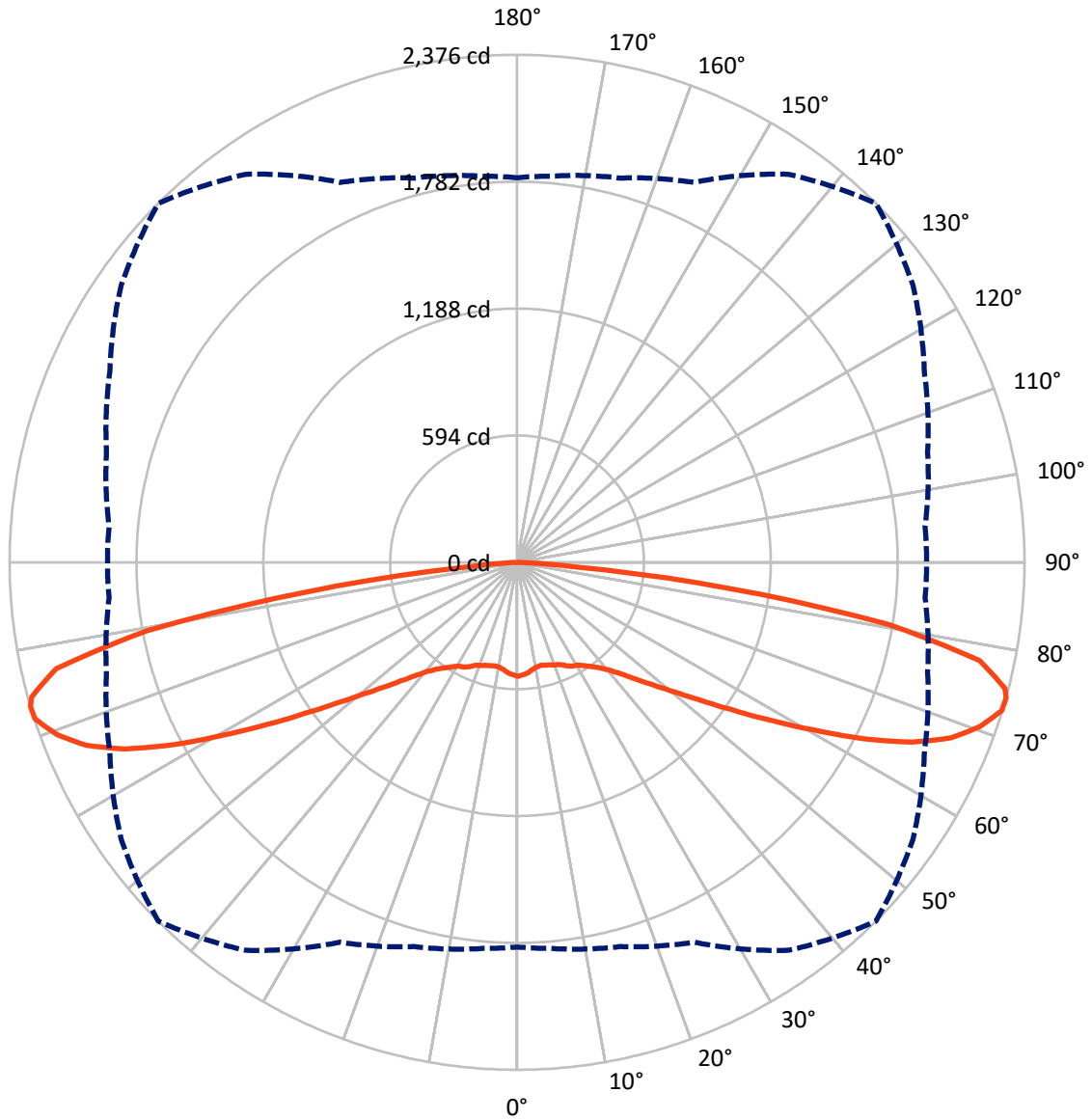
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 3.7 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	3234.0	0.0	3234.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3234.0	0.0	3234.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6468.0	0.0	6468.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.9	0.8
10°-20°	143.3	2.2
20°-30°	247.5	3.8
30°-40°	379.0	5.9
40°-50°	616.6	9.5
50°-60°	1069.4	16.5
60°-70°	1771.0	27.4
70°-80°	1916.2	29.6
80°-90°	276.1	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°	6468.0	100.0
0°-180°	6468.0	100.0

Coefficient of Utilization



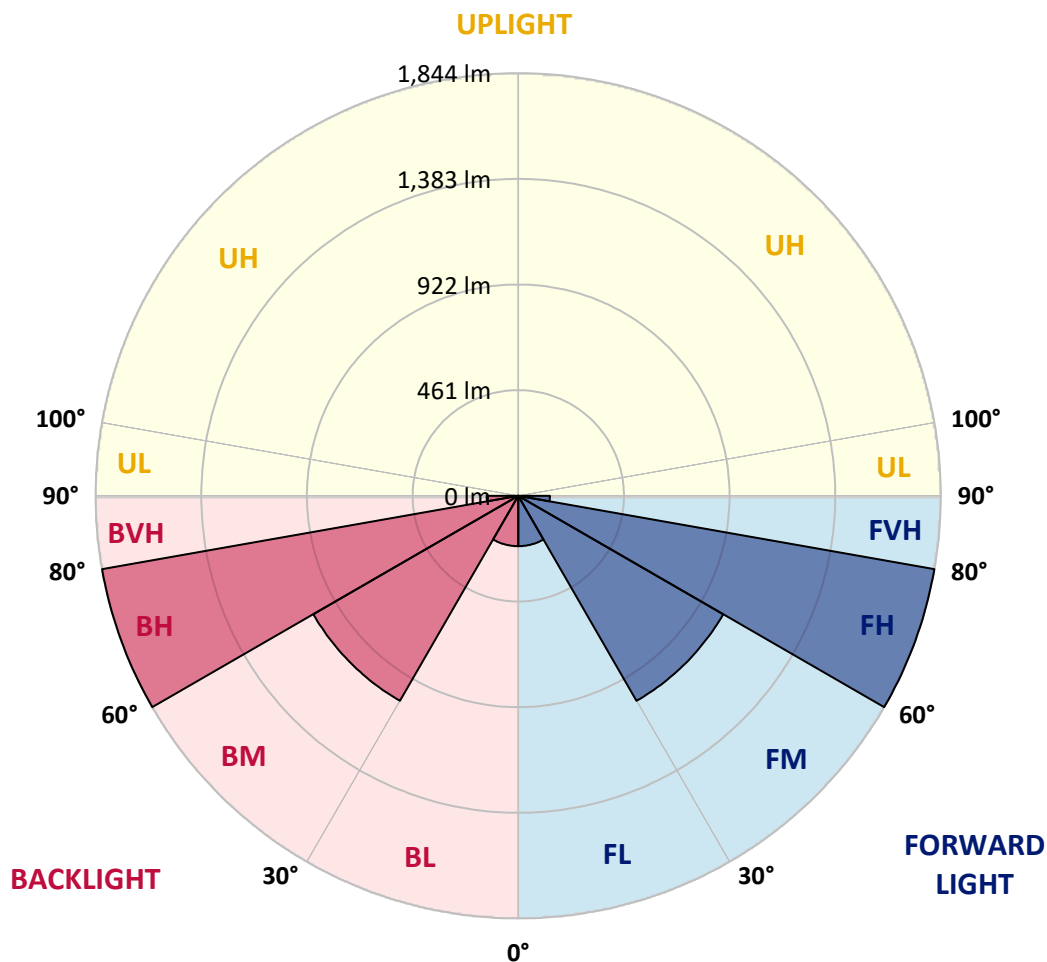
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	219.8	3.4			
FM (30°-60°)	1032.5	16.0			
FH (60°-80°)	1843.6	28.5			G2/5000
FVH (80°-90°)	138.1	2.1			G2/225
BL (0°-30°)	219.8	3.4	B1/500		
BM (30°-60°)	1032.5	16.0	B2/2500		
BH (60°-80°)	1843.6	28.5	B3/2500		G2/5000
BVH (80°-90°)	138.1	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°	533.6	533.6	533.6	533.6	533.6	533.6	533.6	533.6	533.6	533.6	533.6
2.5°	525.9	527.4	527.4	525.9	527.4	527.4	527.4	529.0	527.4	530.5	529.0
5°	518.2	518.2	519.7	518.2	518.2	519.7	518.2	521.3	519.7	522.8	519.7
7.5°	505.9	505.9	505.9	505.9	507.4	507.4	507.4	510.5	510.5	510.5	509.0
10°	502.8	501.3	501.3	498.2	498.2	498.2	496.7	501.3	502.8	505.9	504.4
12.5°	504.4	504.4	501.3	498.2	496.7	495.1	495.1	499.8	504.4	505.9	505.9
15°	510.5	510.5	505.9	499.8	499.8	499.8	498.2	499.8	507.4	510.5	507.4
17.5°	515.1	513.6	509.0	505.9	505.9	504.4	504.4	504.4	509.0	513.6	513.6
20°	522.8	522.8	516.7	513.6	513.6	512.1	510.5	509.0	513.6	519.7	518.2
22.5°	533.6	530.5	525.9	522.8	521.3	519.7	516.7	518.2	521.3	525.9	525.9
25°	541.3	541.3	536.7	535.1	536.7	536.7	532.1	529.0	530.5	535.1	535.1
27.5°	544.4	544.4	541.3	541.3	547.4	550.5	544.4	538.2	535.1	539.7	538.2
30°	556.7	556.7	553.6	552.0	556.7	558.2	555.1	550.5	549.0	553.6	552.0
32.5°	578.2	576.6	572.0	567.4	569.0	576.6	570.5	569.0	569.0	573.6	575.1
35°	602.8	599.7	595.1	590.5	592.0	599.7	593.6	593.6	595.1	601.2	601.2
37.5°	638.2	635.1	628.9	618.2	616.6	625.9	624.3	625.9	632.0	635.1	638.2
40°	676.6	675.1	667.4	658.1	656.6	662.8	664.3	667.4	673.5	676.6	678.1
42.5°	732.0	728.9	716.6	707.4	705.8	713.5	716.6	719.7	727.3	730.4	733.5
45°	799.6	798.1	784.2	773.5	768.9	779.6	779.6	782.7	790.4	796.5	796.5
47.5°	873.4	871.9	861.1	848.8	850.4	858.0	856.5	858.0	864.2	870.3	875.0
50°	956.5	951.8	939.5	936.5	944.2	951.8	945.7	944.2	953.4	956.5	954.9
52.5°	1047.2	1042.6	1036.4	1036.4	1054.9	1068.7	1064.1	1050.3	1050.3	1048.7	1047.2
55°	1154.8	1151.8	1150.2	1157.9	1188.7	1216.3	1199.4	1173.3	1162.5	1156.4	1159.4
57.5°	1267.1	1259.4	1273.2	1290.1	1351.7	1391.6	1365.5	1316.3	1300.9	1288.6	1282.5
60°	1380.9	1377.8	1397.8	1437.8	1525.4	1593.1	1557.7	1476.2	1448.5	1420.9	1420.9
62.5°	1491.6	1488.5	1517.7	1579.2	1717.6	1817.6	1753.0	1650.0	1596.2	1554.6	1548.5
65°	1625.4	1620.8	1653.0	1719.2	1903.7	2029.8	1948.3	1813.0	1748.4	1691.5	1683.8
67.5°	1734.5	1734.5	1777.6	1859.1	2060.5	2192.8	2091.3	1974.4	1899.1	1840.7	1834.5
70°	1839.1	1848.3	1880.6	1960.6	2180.5	2300.4	2208.2	2103.6	2035.9	1977.5	1971.4
72.5°	1883.7	1896.0	1928.3	2006.7	2232.8	2372.7	2265.1	2145.1	2072.8	2014.4	2006.7
74°	1800.7	1814.5	1862.2	1962.1	2217.4	2375.8	2262.0	2103.6	1989.8	1917.5	1917.5
75°	1706.9	1725.3	1782.2	1889.9	2185.1	2358.9	2229.7	2037.5	1879.1	1794.5	1799.1
77.5°	1316.3	1356.3	1417.8	1586.9	1960.6	2214.3	1982.1	1634.6	1380.9	1254.8	1251.7
80°	375.2	430.6	570.5	947.2	1490.1	1763.8	1456.2	967.2	682.7	519.7	499.8
82.5°	90.7	106.1	146.1	267.6	636.6	996.4	721.2	316.8	190.7	124.6	100.0
85°	38.4	41.5	66.1	92.3	175.3	264.5	167.6	107.6	78.4	35.4	33.8
87.5°	13.8	15.4	24.6	24.6	36.9	21.5	38.4	26.1	27.7	9.2	9.2
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)