

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: P594829

Luminaire Tested: **ISS-PA1E-827-U-5WQ**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P594829
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-PA1E-827-U-5WQ
Description: IMPACT ELITE LED QUARTER SPHERE LUMINAIRE
(1) 80 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7806 lumens
Efficiency: N/A
Efficacy: 94.7 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

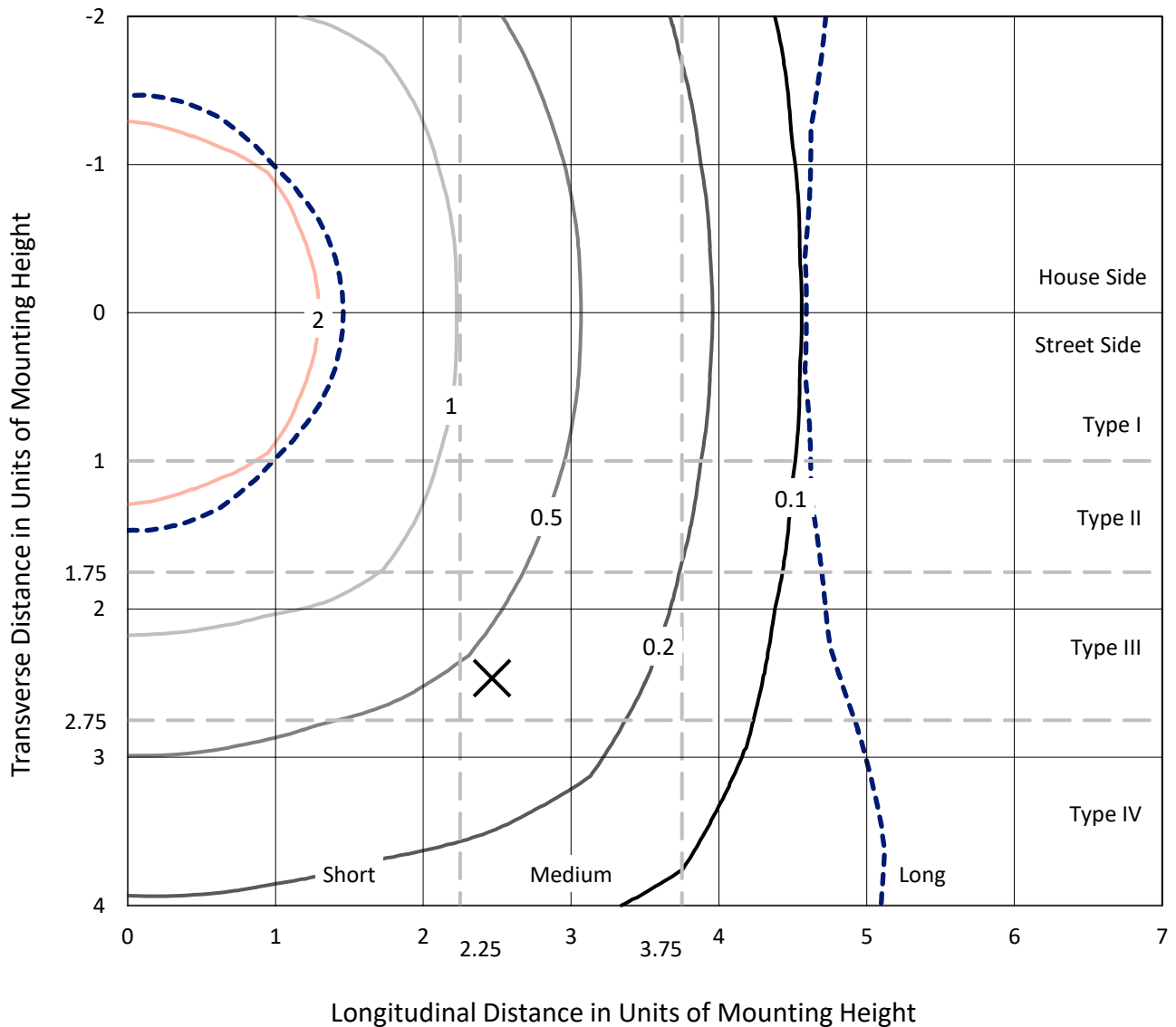
Input Watts (W): 82.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

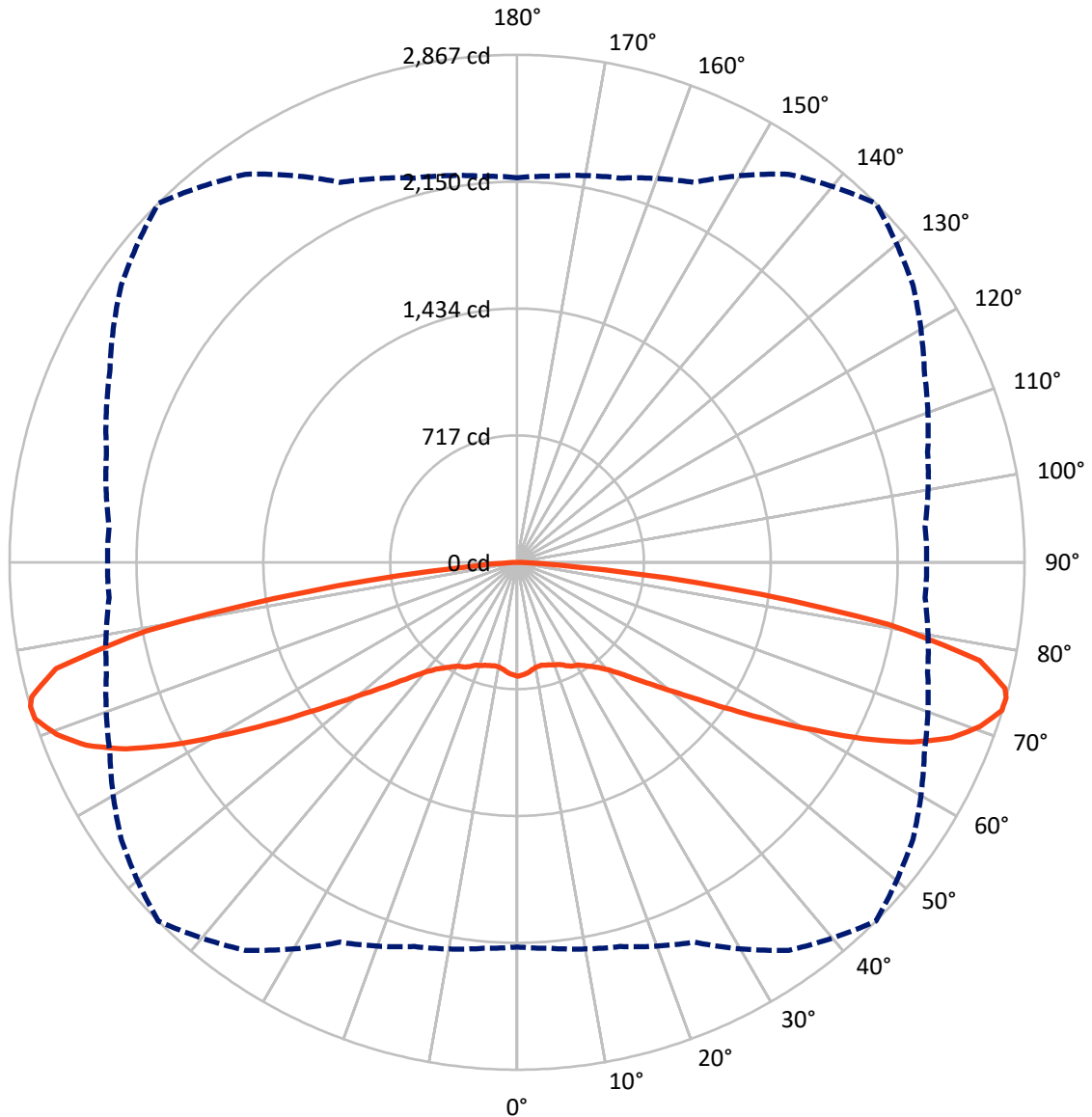
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 4.5 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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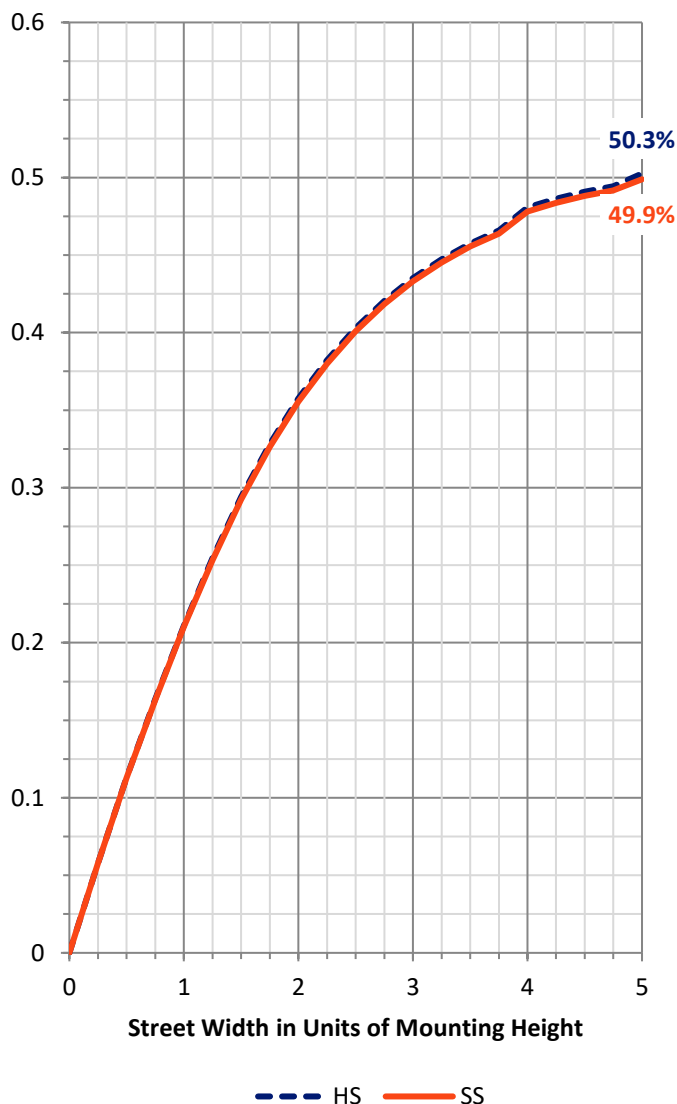
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3903.0	0.0	3903.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3903.0	0.0	3903.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7806.0	0.0	7806.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.0	0.8
10°-20°	172.9	2.2
20°-30°	298.7	3.8
30°-40°	457.4	5.9
40°-50°	744.2	9.5
50°-60°	1290.6	16.5
60°-70°	2137.3	27.4
70°-80°	2312.6	29.6
80°-90°	333.3	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°	7806.0	100.0
0°-180°	7806.0	100.0

Coefficient of Utilization



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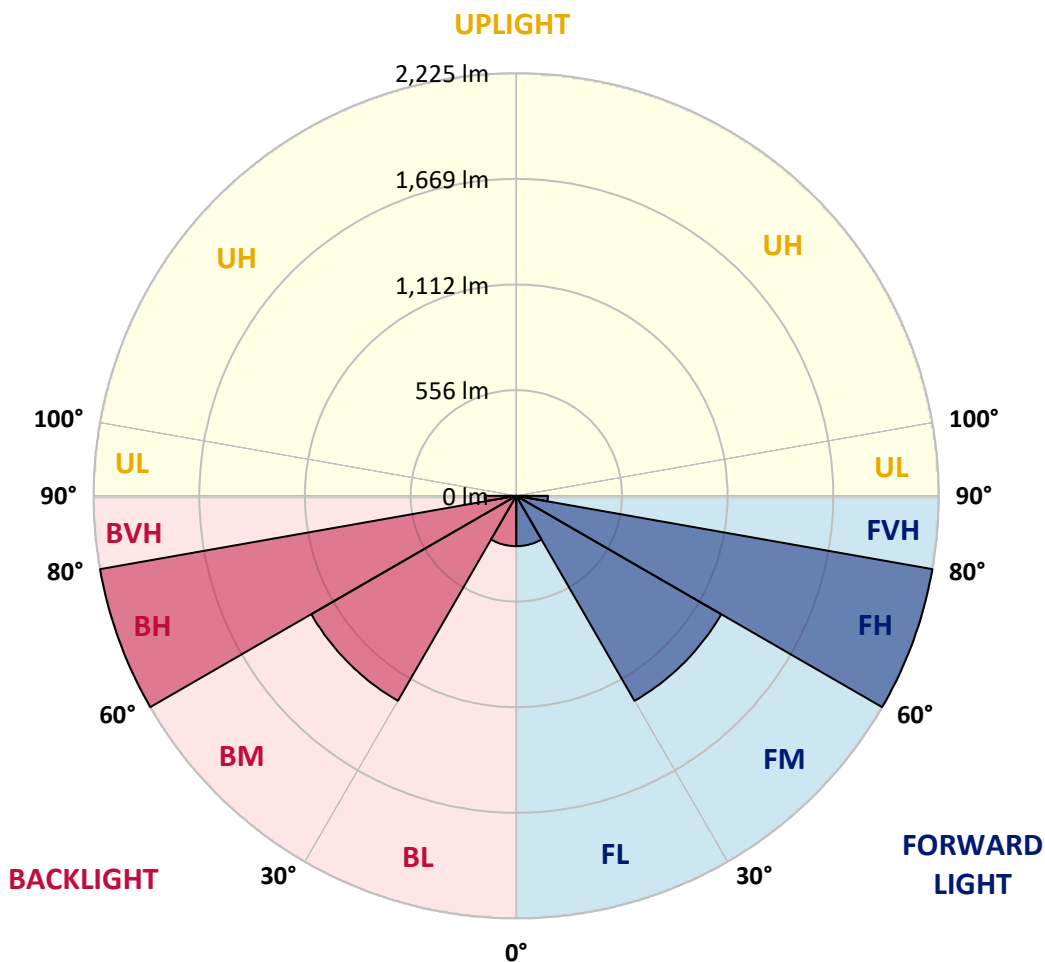
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	265.3	3.4			
FM (30°-60°)	1246.1	16.0			
FH (60°-80°)	2224.9	28.5			G2/5000
FVH (80°-90°)	166.6	2.1			G2/225
BL (0°-30°)	265.3	3.4	B1/500		
BM (30°-60°)	1246.1	16.0	B2/2500		
BH (60°-80°)	2224.9	28.5	B3/2500		G2/5000
BVH (80°-90°)	166.6	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°	644.0	644.0	644.0	644.0	644.0	644.0	644.0	644.0	644.0	644.0	644.0
2.5°	634.7	636.5	636.5	634.7	636.5	636.5	636.5	638.4	636.5	640.3	638.4
5°	625.4	625.4	627.3	625.4	625.4	627.3	625.4	629.1	627.3	631.0	627.3
7.5°	610.6	610.6	610.6	610.6	612.4	612.4	612.4	616.1	616.1	616.1	614.3
10°	606.9	605.0	605.0	601.3	601.3	601.3	599.4	605.0	606.9	610.6	608.7
12.5°	608.7	608.7	605.0	601.3	599.4	597.6	597.6	603.1	608.7	610.6	610.6
15°	616.1	616.1	610.6	603.1	603.1	603.1	601.3	603.1	612.4	616.1	612.4
17.5°	621.7	619.8	614.3	610.6	610.6	608.7	608.7	608.7	614.3	619.8	619.8
20°	631.0	631.0	623.6	619.8	619.8	618.0	616.1	614.3	619.8	627.3	625.4
22.5°	644.0	640.3	634.7	631.0	629.1	627.3	623.6	625.4	629.1	634.7	634.7
25°	653.2	653.2	647.7	645.8	647.7	647.7	642.1	638.4	640.3	645.8	645.8
27.5°	657.0	657.0	653.2	653.2	660.7	664.4	657.0	649.5	645.8	651.4	649.5
30°	671.8	671.8	668.1	666.2	671.8	673.7	670.0	664.4	662.5	668.1	666.2
32.5°	697.8	695.9	690.4	684.8	686.7	695.9	688.5	686.7	686.7	692.2	694.1
35°	727.5	723.8	718.2	712.6	714.5	723.8	716.3	716.3	718.2	725.6	725.6
37.5°	770.2	766.5	759.0	746.0	744.2	755.3	753.5	755.3	762.7	766.5	770.2
40°	816.6	814.7	805.4	794.3	792.4	799.9	801.7	805.4	812.8	816.6	818.4
42.5°	883.4	879.7	864.8	853.7	851.8	861.1	864.8	868.5	877.8	881.5	885.2
45°	965.0	963.2	946.5	933.5	927.9	940.9	940.9	944.6	953.9	961.3	961.3
47.5°	1054.1	1052.3	1039.3	1024.4	1026.3	1035.5	1033.7	1035.5	1043.0	1050.4	1056.0
50°	1154.3	1148.8	1133.9	1130.2	1139.5	1148.8	1141.3	1139.5	1150.6	1154.3	1152.5
52.5°	1263.8	1258.2	1250.8	1250.8	1273.1	1289.8	1284.2	1267.5	1267.5	1265.7	1263.8
55°	1393.7	1390.0	1388.2	1397.4	1434.5	1468.0	1447.5	1416.0	1403.0	1395.6	1399.3
57.5°	1529.2	1519.9	1536.6	1557.0	1631.3	1679.5	1648.0	1588.6	1570.0	1555.2	1547.8
60°	1666.5	1662.8	1686.9	1735.2	1841.0	1922.6	1879.9	1781.6	1748.2	1714.8	1714.8
62.5°	1800.1	1796.4	1831.7	1905.9	2073.0	2193.6	2115.6	1991.3	1926.3	1876.2	1868.8
65°	1961.6	1956.0	1995.0	2074.8	2297.5	2449.7	2351.3	2188.0	2110.1	2041.4	2032.1
67.5°	2093.4	2093.4	2145.3	2243.7	2486.8	2646.4	2523.9	2382.9	2291.9	2221.4	2214.0
70°	2219.6	2230.7	2269.7	2366.2	2631.6	2776.3	2665.0	2538.8	2457.1	2386.6	2379.2
72.5°	2273.4	2288.2	2327.2	2421.8	2694.7	2863.5	2733.6	2588.9	2501.6	2431.1	2421.8
74°	2173.2	2189.9	2247.4	2368.0	2676.1	2867.2	2729.9	2538.8	2401.4	2314.2	2314.2
75°	2060.0	2082.2	2150.9	2280.8	2637.1	2846.8	2690.9	2459.0	2267.8	2165.7	2171.3
77.5°	1588.6	1636.8	1711.1	1915.2	2366.2	2672.4	2392.2	1972.7	1666.5	1514.3	1510.6
80°	452.8	519.6	688.5	1143.2	1798.3	2128.6	1757.5	1167.3	824.0	627.3	603.1
82.5°	109.5	128.1	176.3	322.9	768.3	1202.6	870.4	382.3	230.1	150.3	120.6
85°	46.4	50.1	79.8	111.3	211.6	319.2	202.3	129.9	94.6	42.7	40.8
87.5°	16.7	18.6	29.7	29.7	44.5	26.0	46.4	31.5	33.4	11.1	11.1
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)