

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: P594919

Luminaire Tested: **ISS-PA1F-830-U-5WQ**

Issue Date: 3/22/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P594919  
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-PA1F-830-U-5WQ  
Description: IMPACT ELITE LED QUARTER SPHERE LUMINAIRE  
(1) 80 CRI, 3000K, 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: 9248 lumens  
Efficiency: N/A  
Efficacy: 98.0 lumens/watt  
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')  
IES Classification: Type V - Medium  
BUG Rating: B4 - U0 - G2

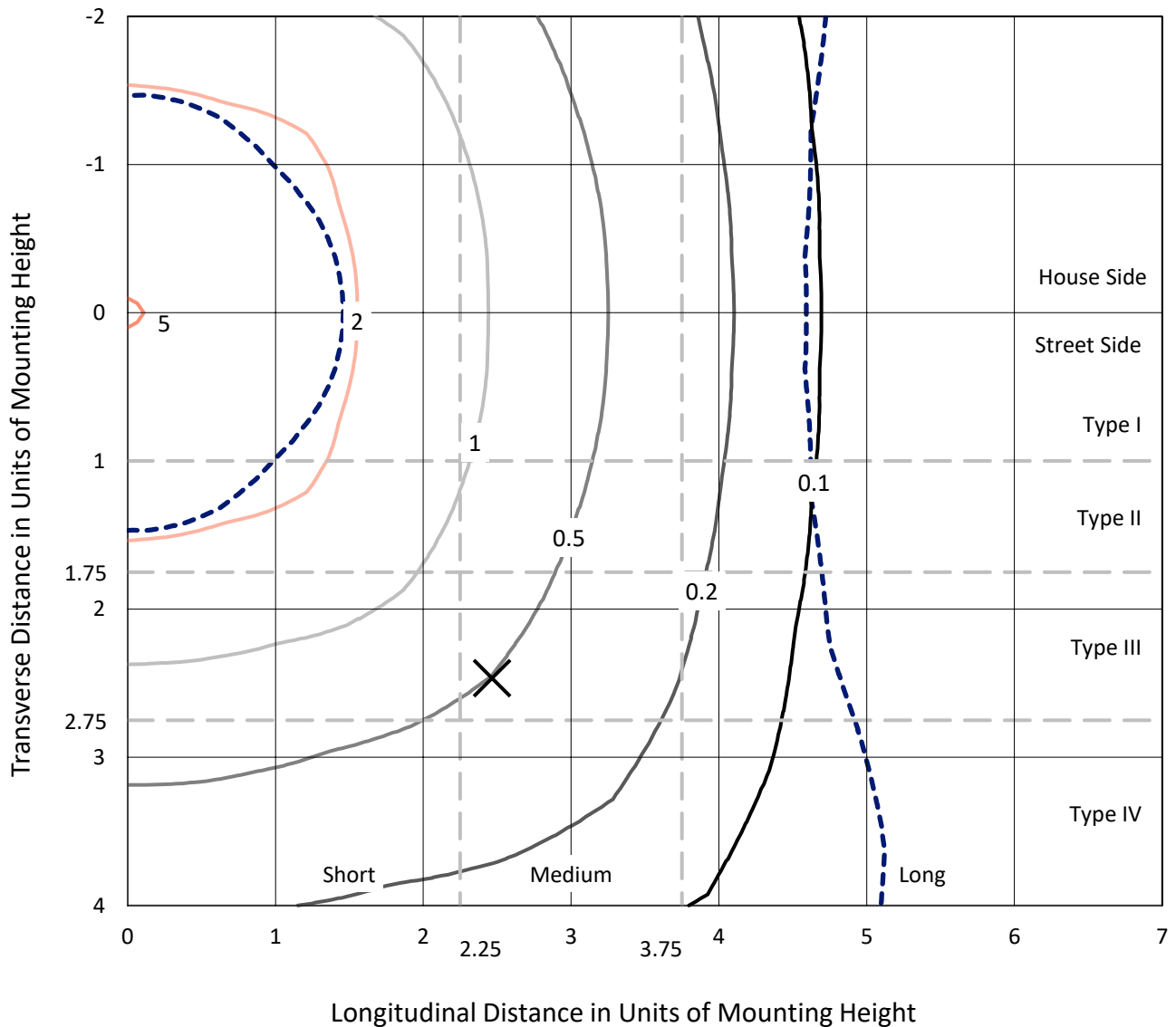
Input Watts (W): 94.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

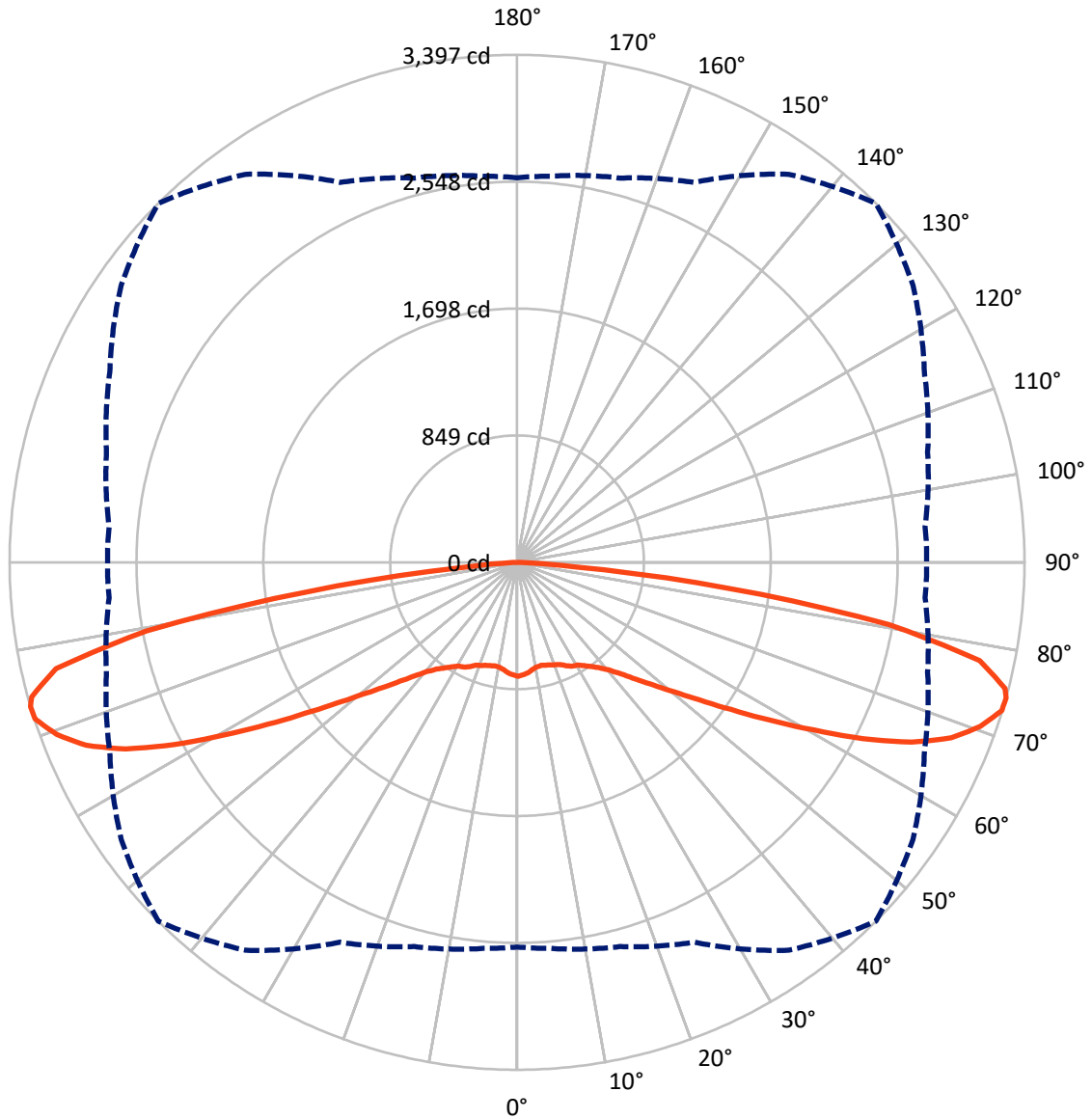
× Max cd  
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 5.3 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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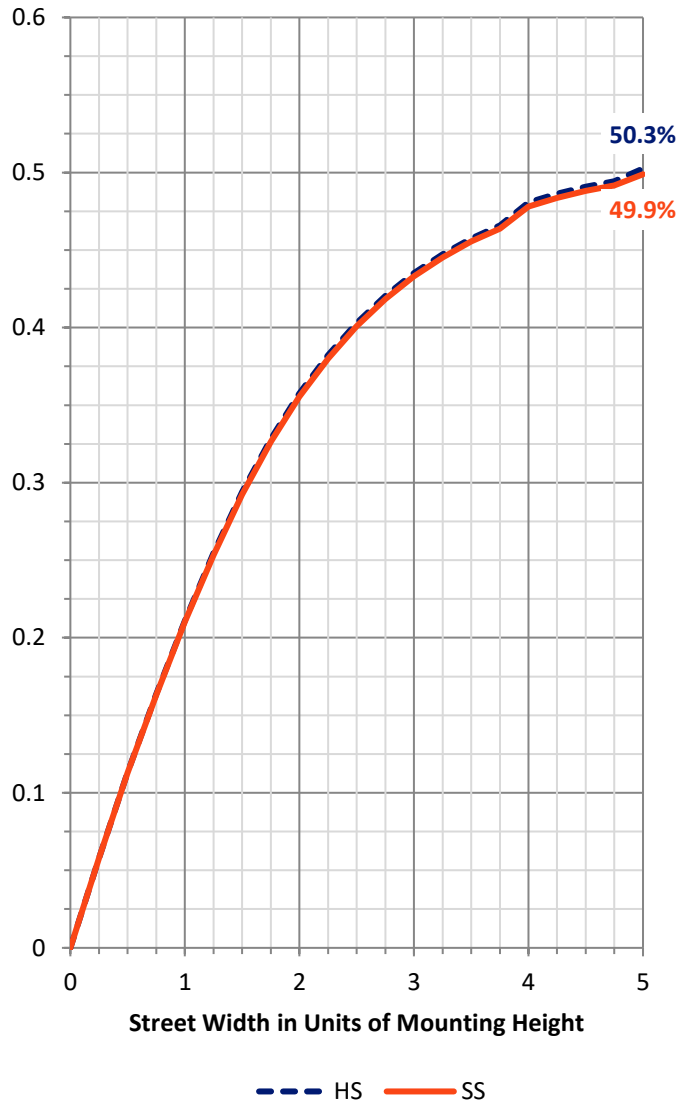
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4624.0	0.0	4624.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4624.0	0.0	4624.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9248.0	0.0	9248.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.9	0.8
10°-20°	204.9	2.2
20°-30°	353.8	3.8
30°-40°	542.0	5.9
40°-50°	881.7	9.5
50°-60°	1529.0	16.5
60°-70°	2532.2	27.4
70°-80°	2739.8	29.6
80°-90°	394.8	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°	9248.0	100.0
0°-180°	9248.0	100.0

**Coefficient of Utilization**

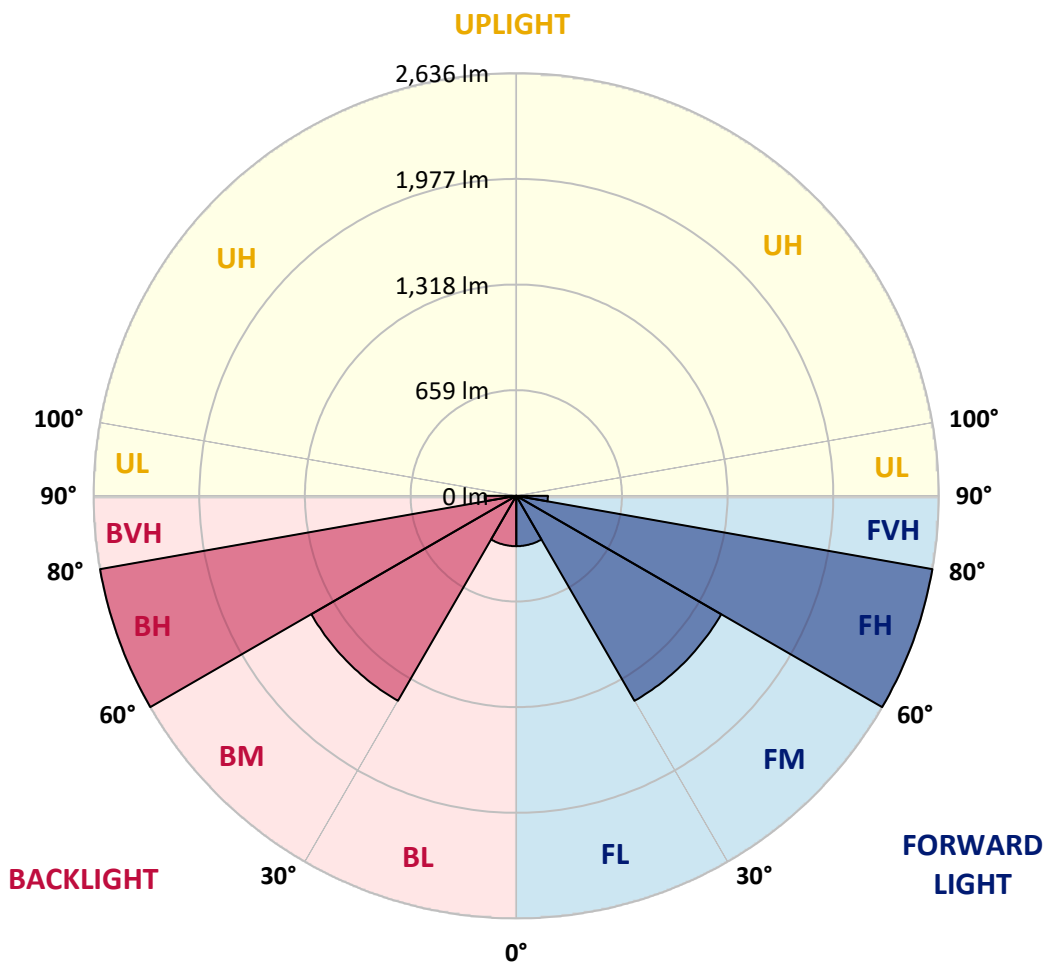


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	314.3	3.4			
FM (30°-60°)	1476.3	16.0			
FH (60°-80°)	2636.0	28.5			G2/5000
FVH (80°-90°)	197.4	2.1			G2/225
BL (0°-30°)	314.3	3.4	B1/500		
BM (30°-60°)	1476.3	16.0	B2/2500		
BH (60°-80°)	2636.0	28.5	B4/5000		G2/5000
BVH (80°-90°)	197.4	2.1			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**  
 Type V Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	762.9	762.9	762.9	762.9	762.9	762.9	762.9	762.9	762.9	762.9	762.9
2.5°	751.9	754.1	754.1	751.9	754.1	754.1	754.1	756.3	754.1	758.5	756.3
5°	740.9	740.9	743.1	740.9	740.9	743.1	740.9	745.3	743.1	747.5	743.1
7.5°	723.4	723.4	723.4	723.4	725.6	725.6	725.6	730.0	730.0	730.0	727.8
10°	719.0	716.8	716.8	712.4	712.4	712.4	710.2	716.8	719.0	723.4	721.2
12.5°	721.2	721.2	716.8	712.4	710.2	708.0	708.0	714.6	721.2	723.4	723.4
15°	730.0	730.0	723.4	714.6	714.6	714.6	712.4	714.6	725.6	730.0	725.6
17.5°	736.5	734.3	727.8	723.4	723.4	721.2	721.2	721.2	727.8	734.3	734.3
20°	747.5	747.5	738.7	734.3	734.3	732.1	730.0	727.8	734.3	743.1	740.9
22.5°	762.9	758.5	751.9	747.5	745.3	743.1	738.7	740.9	745.3	751.9	751.9
25°	773.9	773.9	767.3	765.1	767.3	767.3	760.7	756.3	758.5	765.1	765.1
27.5°	778.3	778.3	773.9	773.9	782.7	787.1	778.3	769.5	765.1	771.7	769.5
30°	795.9	795.9	791.5	789.3	795.9	798.1	793.7	787.1	784.9	791.5	789.3
32.5°	826.7	824.5	817.9	811.3	813.5	824.5	815.7	813.5	813.5	820.1	822.3
35°	861.9	857.5	850.9	844.3	846.5	857.5	848.7	848.7	850.9	859.7	859.7
37.5°	912.4	908.0	899.2	883.9	881.7	894.8	892.7	894.8	903.6	908.0	912.4
40°	967.4	965.2	954.2	941.0	938.8	947.6	949.8	954.2	963.0	967.4	969.6
42.5°	1046.6	1042.2	1024.6	1011.4	1009.2	1020.2	1024.6	1029.0	1040.0	1044.4	1048.8
45°	1143.3	1141.1	1121.3	1105.9	1099.3	1114.7	1114.7	1119.1	1130.1	1138.9	1138.9
47.5°	1248.8	1246.6	1231.2	1213.7	1215.9	1226.8	1224.6	1226.8	1235.6	1244.4	1251.0
50°	1367.6	1361.0	1343.4	1339.0	1350.0	1361.0	1352.2	1350.0	1363.2	1367.6	1365.4
52.5°	1497.3	1490.7	1481.9	1481.9	1508.3	1528.1	1521.5	1501.7	1501.7	1499.5	1497.3
55°	1651.2	1646.8	1644.6	1655.6	1699.6	1739.1	1714.9	1677.6	1662.2	1653.4	1657.8
57.5°	1811.7	1800.7	1820.5	1844.7	1932.6	1989.8	1952.4	1882.0	1860.1	1842.5	1833.7
60°	1974.4	1970.0	1998.6	2055.7	2181.1	2277.8	2227.2	2110.7	2071.1	2031.5	2031.5
62.5°	2132.7	2128.3	2170.1	2258.0	2455.9	2598.8	2506.5	2359.1	2282.2	2222.8	2214.0
65°	2324.0	2317.4	2363.5	2458.1	2721.9	2902.2	2785.7	2592.2	2499.9	2418.5	2407.5
67.5°	2480.1	2480.1	2541.6	2658.2	2946.2	3135.3	2990.2	2823.1	2715.3	2631.8	2623.0
70°	2629.6	2642.8	2688.9	2803.3	3117.7	3289.2	3157.3	3007.7	2911.0	2827.5	2818.7
72.5°	2693.3	2710.9	2757.1	2869.2	3192.4	3392.5	3238.6	3067.1	2963.8	2880.2	2869.2
74°	2574.6	2594.4	2662.6	2805.5	3170.4	3396.9	3234.2	3007.7	2845.0	2741.7	2741.7
75°	2440.5	2466.9	2548.2	2702.1	3124.3	3372.7	3188.0	2913.2	2686.7	2565.8	2572.4
77.5°	1882.0	1939.2	2027.2	2269.0	2803.3	3166.1	2834.1	2337.2	1974.4	1794.1	1789.7
80°	536.5	615.6	815.7	1354.4	2130.5	2521.8	2082.1	1382.9	976.2	743.1	714.6
82.5°	129.7	151.7	208.9	382.6	910.2	1424.7	1031.2	452.9	272.6	178.1	142.9
85°	55.0	59.4	94.5	131.9	250.6	378.2	239.7	153.9	112.1	50.6	48.4
87.5°	19.8	22.0	35.2	35.2	52.8	30.8	55.0	37.4	39.6	13.2	13.2
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)