

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: P594856

Luminaire Tested: **ISS-PA1F-727-U-5WQ**

Issue Date: 3/22/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P594856  
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-727-U-5WQ  
Description: IMPACT ELITE LED QUARTER SPHERE LUMINAIRE  
(1) 70 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: 9733 lumens  
Efficiency: N/A  
Efficacy: 103.1 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

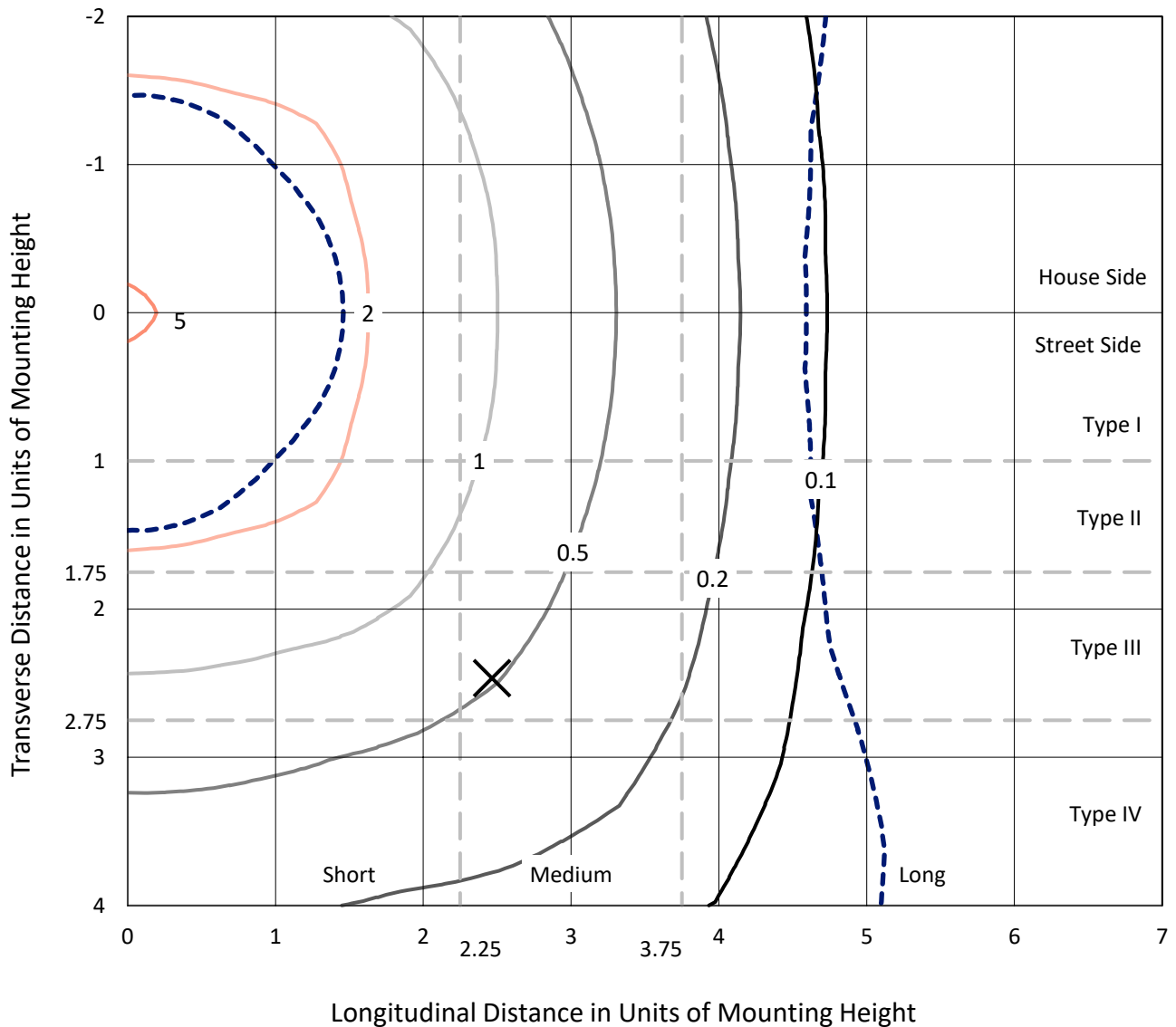
Input Watts (W): 94.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

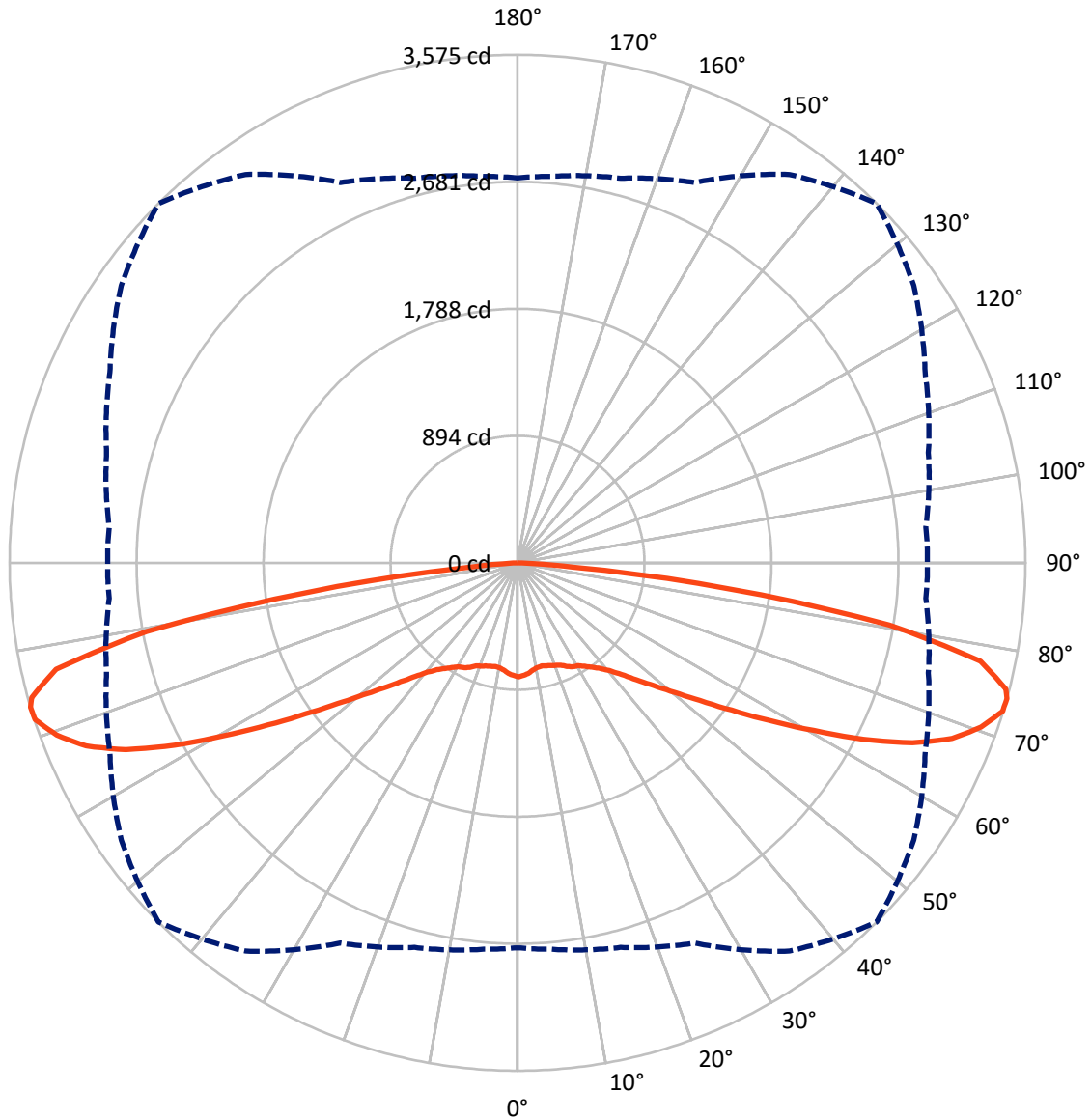
× Max cd  
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 5.6 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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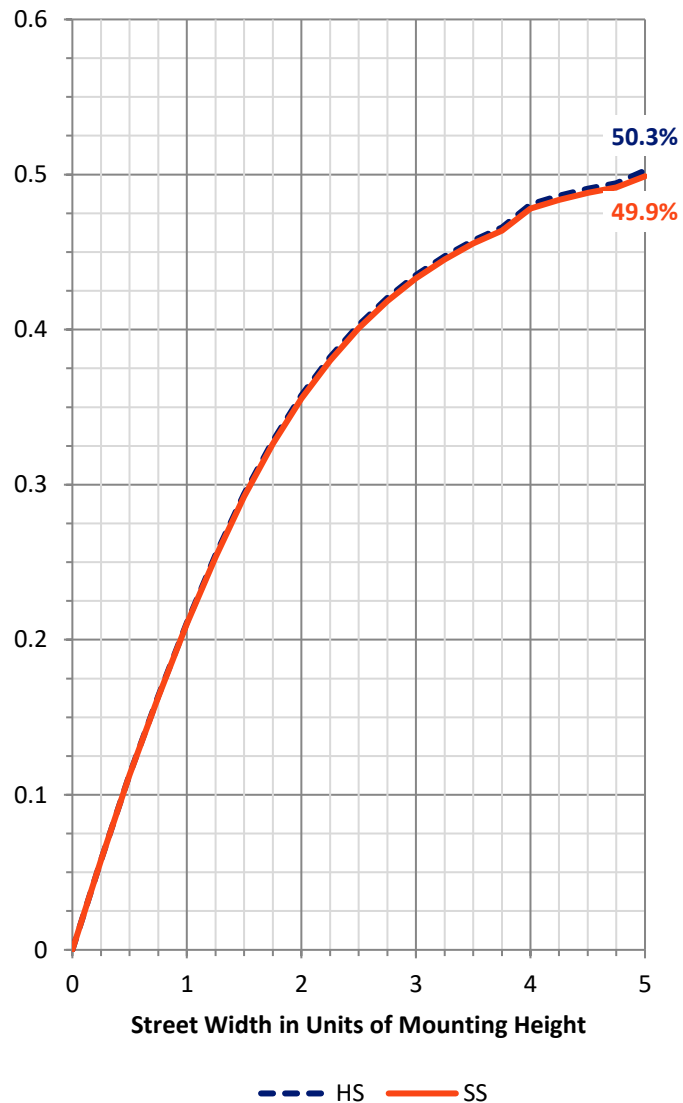
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4866.5	0.0	4866.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4866.5	0.0	4866.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9733.0	0.0	9733.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.6	0.8
10°-20°	215.6	2.2
20°-30°	372.4	3.8
30°-40°	570.4	5.9
40°-50°	927.9	9.5
50°-60°	1609.2	16.5
60°-70°	2665.0	27.4
70°-80°	2883.5	29.6
80°-90°	415.5	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°	9733.0	100.0
0°-180°	9733.0	100.0

**Coefficient of Utilization**

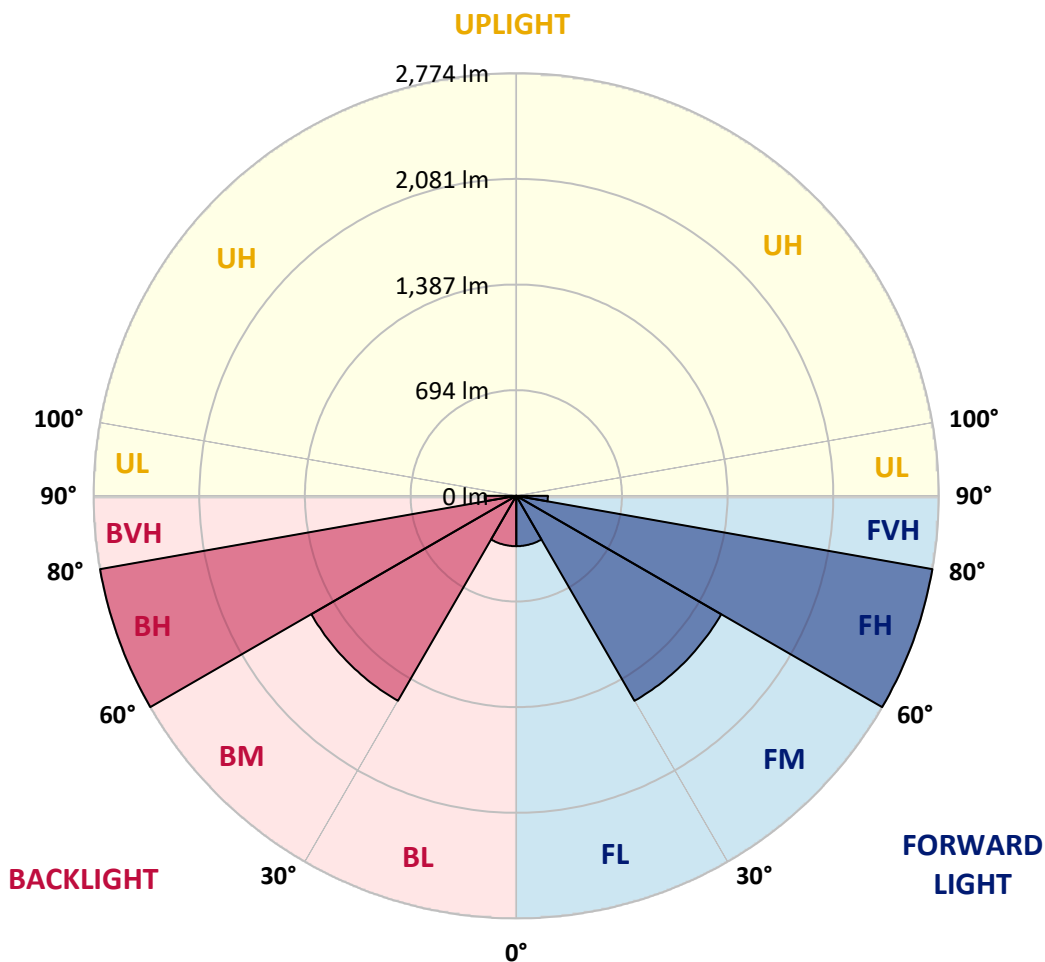


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	330.8	3.4			
FM (30°-60°)	1553.7	16.0			
FH (60°-80°)	2774.2	28.5			G2/5000
FVH (80°-90°)	207.8	2.1			G2/225
BL (0°-30°)	330.8	3.4	B1/500		
BM (30°-60°)	1553.7	16.0	B2/2500		
BH (60°-80°)	2774.2	28.5	B4/5000		G2/5000
BVH (80°-90°)	207.8	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°	802.9	802.9	802.9	802.9	802.9	802.9	802.9	802.9	802.9	802.9	802.9
2.5°	791.4	793.7	793.7	791.4	793.7	793.7	793.7	796.0	793.7	798.3	796.0
5°	779.8	779.8	782.1	779.8	779.8	779.8	779.8	784.4	782.1	786.7	782.1
7.5°	761.3	761.3	761.3	761.3	763.6	763.6	763.6	768.2	768.2	768.2	765.9
10°	756.7	754.3	754.3	749.7	749.7	749.7	747.4	754.3	756.7	761.3	759.0
12.5°	759.0	759.0	754.3	749.7	747.4	745.1	745.1	752.0	759.0	761.3	761.3
15°	768.2	768.2	761.3	752.0	752.0	752.0	749.7	752.0	763.6	768.2	763.6
17.5°	775.2	772.9	765.9	761.3	761.3	759.0	759.0	759.0	765.9	772.9	772.9
20°	786.7	786.7	777.5	772.9	772.9	770.5	768.2	765.9	772.9	782.1	779.8
22.5°	802.9	798.3	791.4	786.7	784.4	782.1	777.5	779.8	784.4	791.4	791.4
25°	814.5	814.5	807.6	805.3	807.6	807.6	800.6	796.0	798.3	805.3	805.3
27.5°	819.1	819.1	814.5	814.5	823.8	828.4	819.1	809.9	805.3	812.2	809.9
30°	837.7	837.7	833.0	830.7	837.7	840.0	835.3	828.4	826.1	833.0	830.7
32.5°	870.0	867.7	860.8	853.8	856.2	867.7	858.5	856.2	856.2	863.1	865.4
35°	907.1	902.4	895.5	888.6	890.9	902.4	893.2	893.2	895.5	904.8	904.8
37.5°	960.3	955.7	946.4	930.2	927.9	941.8	939.5	941.8	951.0	955.7	960.3
40°	1018.1	1015.8	1004.3	990.4	988.1	997.3	999.6	1004.3	1013.5	1018.1	1020.5
42.5°	1101.4	1096.8	1078.3	1064.4	1062.1	1073.7	1078.3	1082.9	1094.5	1099.1	1103.8
45°	1203.3	1200.9	1180.1	1163.9	1157.0	1173.2	1173.2	1177.8	1189.4	1198.6	1198.6
47.5°	1314.3	1312.0	1295.8	1277.3	1279.6	1291.2	1288.9	1291.2	1300.4	1309.7	1316.6
50°	1439.3	1432.3	1413.8	1409.2	1420.8	1432.3	1423.1	1420.8	1434.6	1439.3	1437.0
52.5°	1575.8	1568.9	1559.6	1559.6	1587.4	1608.2	1601.3	1580.4	1580.4	1578.1	1575.8
55°	1737.8	1733.1	1730.8	1742.4	1788.7	1830.3	1804.9	1765.5	1749.3	1740.1	1744.7
57.5°	1906.7	1895.1	1916.0	1941.4	2034.0	2094.1	2054.8	1980.7	1957.6	1939.1	1929.8
60°	2077.9	2073.3	2103.4	2163.5	2295.4	2397.3	2344.0	2221.4	2179.7	2138.1	2138.1
62.5°	2244.5	2239.9	2283.9	2376.4	2584.7	2735.1	2637.9	2482.9	2401.9	2339.4	2330.1
65°	2445.8	2438.9	2487.5	2587.0	2864.7	3054.4	2931.8	2728.1	2631.0	2545.3	2533.8
67.5°	2610.1	2610.1	2674.9	2797.6	3100.7	3299.7	3147.0	2971.1	2857.7	2769.8	2760.5
70°	2767.5	2781.4	2830.0	2950.3	3281.2	3461.7	3322.8	3165.5	3063.7	2975.7	2966.5
72.5°	2834.6	2853.1	2901.7	3019.7	3359.9	3570.4	3408.5	3228.0	3119.2	3031.3	3019.7
74°	2709.6	2730.5	2802.2	2952.6	3336.7	3575.1	3403.8	3165.5	2994.3	2885.5	2885.5
75°	2568.5	2596.3	2681.9	2843.8	3288.1	3549.6	3355.2	3066.0	2827.6	2700.4	2707.3
77.5°	1980.7	2040.9	2133.5	2388.0	2950.3	3332.1	2982.7	2459.7	2077.9	1888.2	1883.6
80°	564.6	647.9	858.5	1425.4	2242.2	2654.1	2191.3	1455.5	1027.4	782.1	752.0
82.5°	136.5	159.7	219.8	402.6	958.0	1499.4	1085.2	476.7	286.9	187.4	150.4
85°	57.8	62.5	99.5	138.8	263.8	398.0	252.2	162.0	118.0	53.2	50.9
87.5°	20.8	23.1	37.0	37.0	55.5	32.4	57.8	39.3	41.7	13.9	13.9
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)