

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: P594748

Luminaire Tested: **ISS-PA1D-827-U-5WQ**

Issue Date: 3/22/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P594748  
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-PA1D-827-U-5WQ  
Description: IMPACT ELITE LED QUARTER SPHERE LUMINAIRE  
(1) 80 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: 6359 lumens  
Efficiency: N/A  
Efficacy: 100.9 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

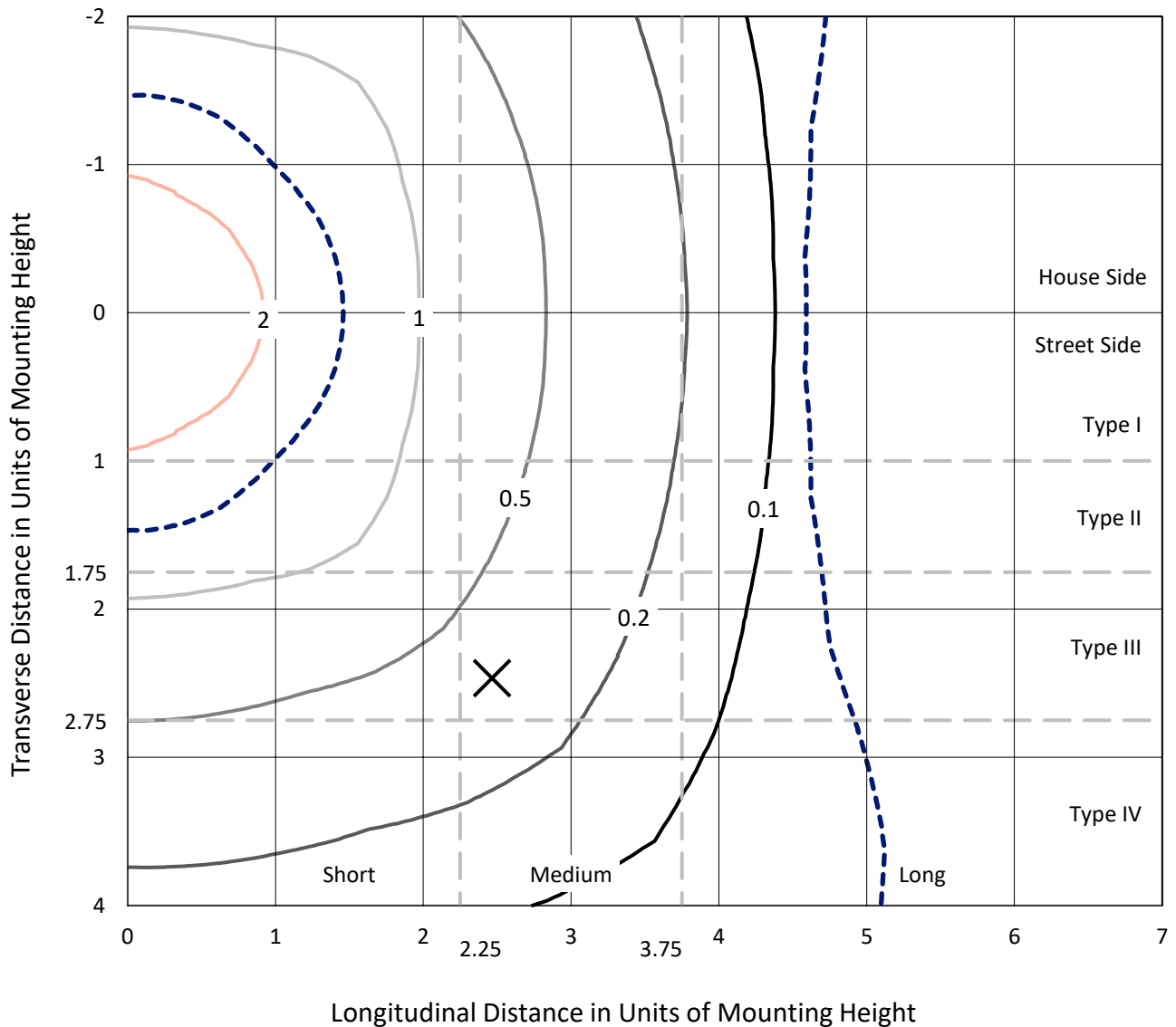
Input Watts (W): 63  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

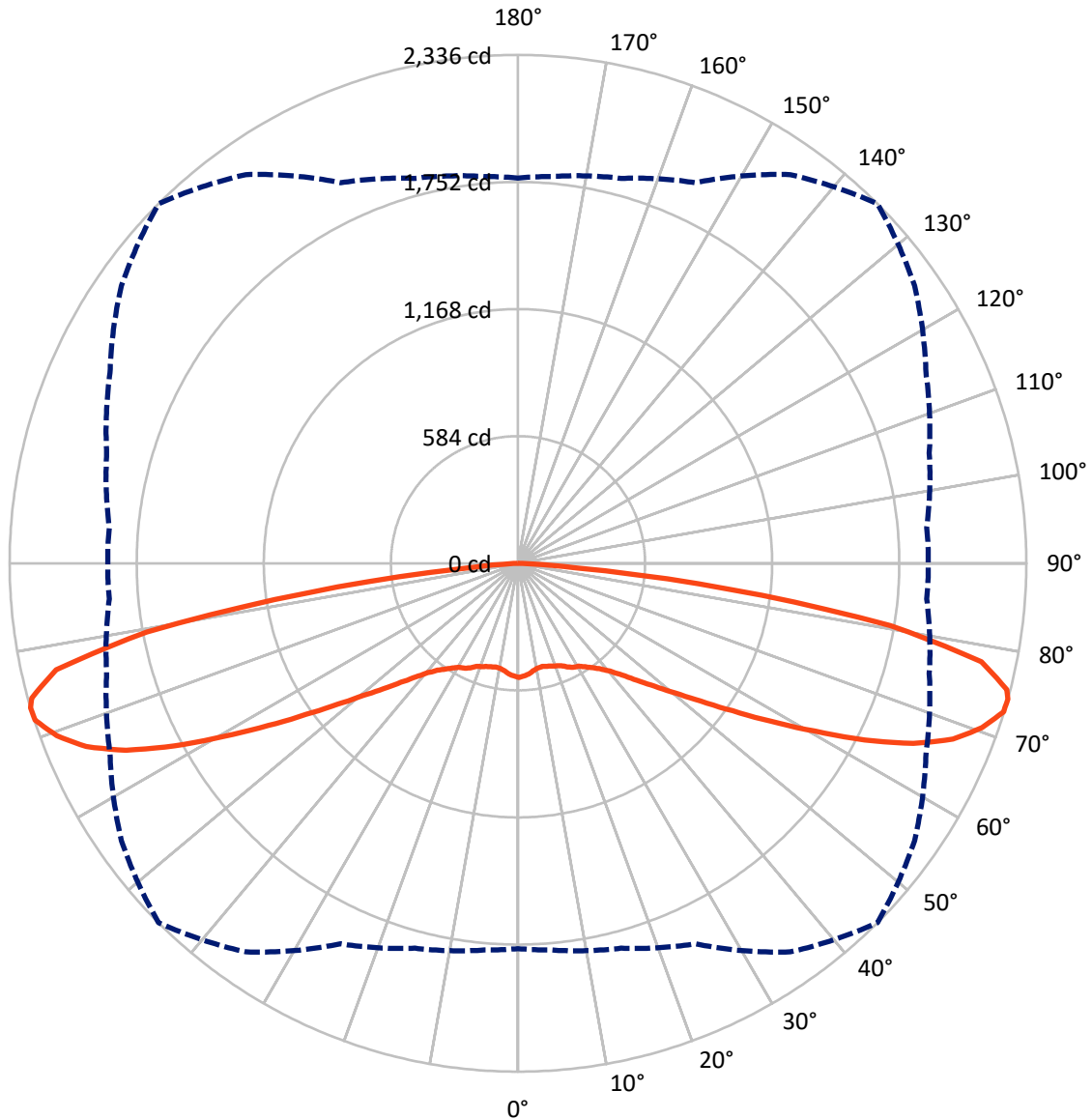
× Max cd  
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 3.6 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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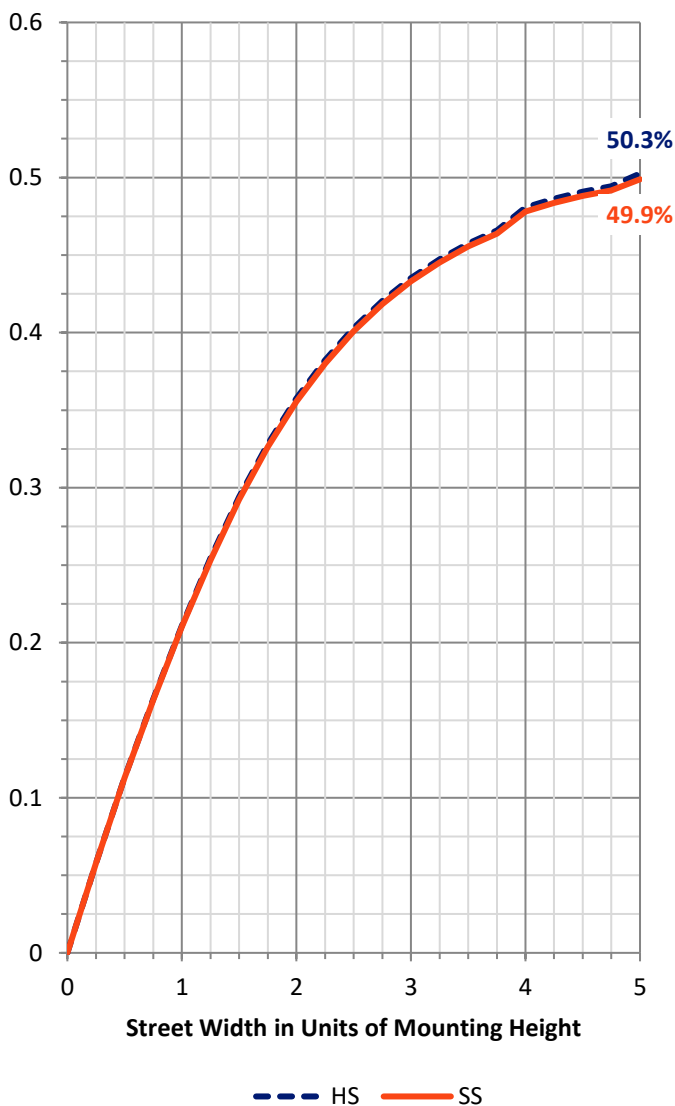
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3179.5	0.0	3179.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3179.5	0.0	3179.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6359.0	0.0	6359.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.1	0.8
10°-20°	140.9	2.2
20°-30°	243.3	3.8
30°-40°	372.7	5.9
40°-50°	606.2	9.5
50°-60°	1051.3	16.5
60°-70°	1741.1	27.4
70°-80°	1883.9	29.6
80°-90°	271.5	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°	6359.0	100.0
0°-180°	6359.0	100.0

**Coefficient of Utilization**



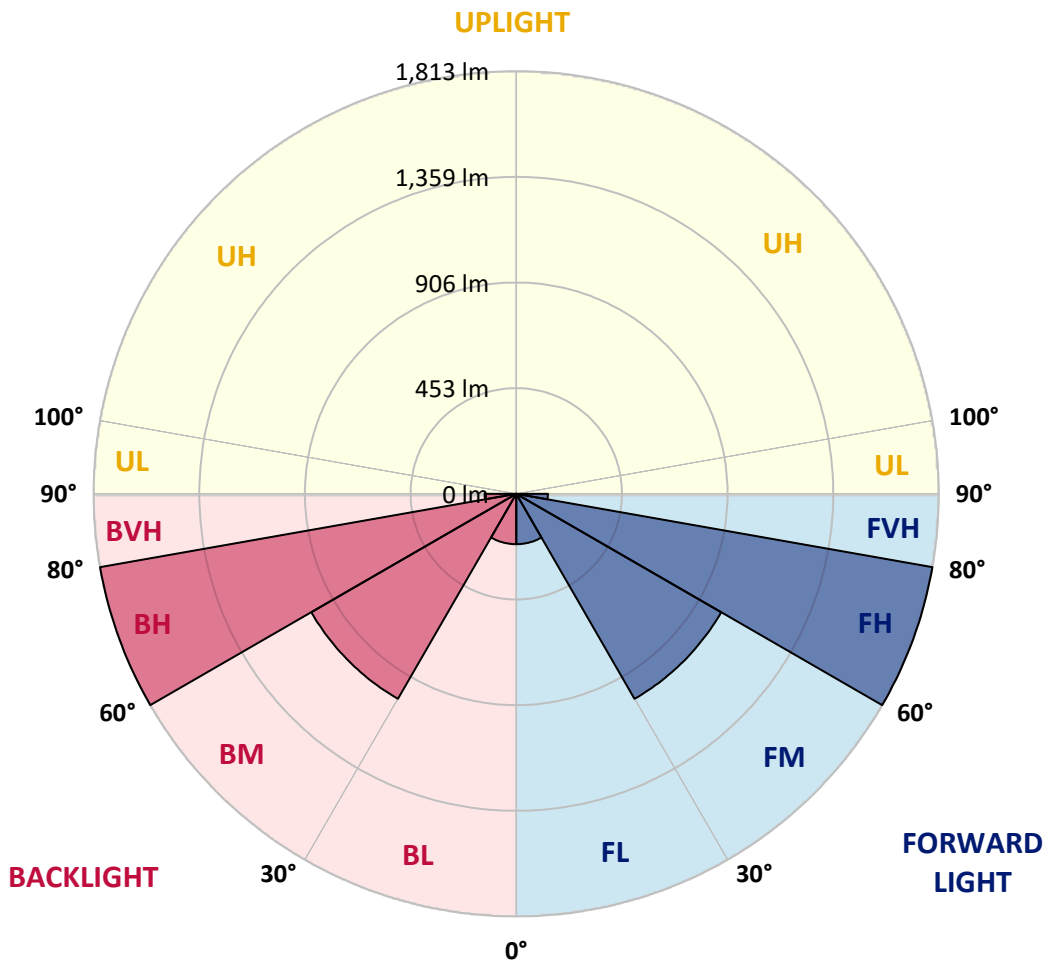
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	216.1	3.4			
FM (30°-60°)	1015.1	16.0			
FH (60°-80°)	1812.5	28.5			G2/5000
FVH (80°-90°)	135.7	2.1			G2/225
BL (0°-30°)	216.1	3.4	B1/500		
BM (30°-60°)	1015.1	16.0	B2/2500		
BH (60°-80°)	1812.5	28.5	B3/2500		G2/5000
BVH (80°-90°)	135.7	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°	524.6	524.6	524.6	524.6	524.6	524.6	524.6	524.6	524.6	524.6	524.6
2.5°	517.0	518.5	518.5	517.0	518.5	518.5	518.5	520.1	518.5	521.6	520.1
5°	509.5	509.5	511.0	509.5	509.5	511.0	509.5	512.5	511.0	514.0	511.0
7.5°	497.4	497.4	497.4	497.4	498.9	498.9	498.9	501.9	501.9	501.9	500.4
10°	494.4	492.8	492.8	489.8	489.8	489.8	488.3	492.8	494.4	497.4	495.9
12.5°	495.9	495.9	492.8	489.8	488.3	486.8	486.8	491.3	495.9	497.4	497.4
15°	501.9	501.9	497.4	491.3	491.3	491.3	489.8	491.3	498.9	501.9	498.9
17.5°	506.5	504.9	500.4	497.4	497.4	495.9	495.9	495.9	500.4	504.9	504.9
20°	514.0	514.0	508.0	504.9	504.9	503.4	501.9	500.4	504.9	511.0	509.5
22.5°	524.6	521.6	517.0	514.0	512.5	511.0	508.0	509.5	512.5	517.0	517.0
25°	532.2	532.2	527.6	526.1	527.6	527.6	523.1	520.1	521.6	526.1	526.1
27.5°	535.2	535.2	532.2	532.2	538.2	541.2	535.2	529.1	526.1	530.6	529.1
30°	547.3	547.3	544.3	542.7	547.3	548.8	545.8	541.2	539.7	544.3	542.7
32.5°	568.4	566.9	562.4	557.9	559.4	566.9	560.9	559.4	559.4	563.9	565.4
35°	592.6	589.6	585.1	580.5	582.0	589.6	583.6	583.6	585.1	591.1	591.1
37.5°	627.4	624.4	618.3	607.7	606.2	615.3	613.8	615.3	621.4	624.4	627.4
40°	665.2	663.7	656.1	647.1	645.5	651.6	653.1	656.1	662.2	665.2	666.7
42.5°	719.6	716.6	704.5	695.4	693.9	701.5	704.5	707.5	715.1	718.1	721.1
45°	786.1	784.6	771.0	760.4	755.9	766.5	766.5	769.5	777.1	783.1	783.1
47.5°	858.7	857.2	846.6	834.5	836.0	843.6	842.1	843.6	849.6	855.7	860.2
50°	940.3	935.8	923.7	920.7	928.2	935.8	929.8	928.2	937.3	940.3	938.8
52.5°	1029.5	1025.0	1019.0	1019.0	1037.1	1050.7	1046.2	1032.6	1032.6	1031.1	1029.5
55°	1135.4	1132.3	1130.8	1138.4	1168.6	1195.8	1179.2	1153.5	1142.9	1136.9	1139.9
57.5°	1245.7	1238.2	1251.8	1268.4	1328.9	1368.2	1342.5	1294.1	1279.0	1266.9	1260.8
60°	1357.6	1354.6	1374.2	1413.5	1499.7	1566.2	1531.5	1451.3	1424.1	1396.9	1396.9
62.5°	1466.5	1463.4	1492.2	1552.6	1688.7	1787.0	1723.5	1622.2	1569.3	1528.4	1522.4
65°	1598.0	1593.4	1625.2	1690.2	1871.6	1995.6	1915.5	1782.4	1718.9	1663.0	1655.4
67.5°	1705.3	1705.3	1747.6	1827.8	2025.8	2155.8	2056.1	1941.2	1867.1	1809.6	1803.6
70°	1808.1	1817.2	1848.9	1927.6	2143.7	2261.7	2171.0	2068.2	2001.6	1944.2	1938.1
72.5°	1852.0	1864.1	1895.8	1972.9	2195.1	2332.7	2226.9	2109.0	2037.9	1980.5	1972.9
74°	1770.3	1783.9	1830.8	1929.1	2180.0	2335.7	2223.9	2068.2	1956.3	1885.2	1885.2
75°	1678.1	1696.2	1752.2	1858.0	2148.3	2319.1	2192.1	2003.1	1847.4	1764.3	1768.8
77.5°	1294.1	1333.4	1393.9	1560.2	1927.6	2177.0	1948.7	1607.1	1357.6	1233.6	1230.6
80°	368.9	423.3	560.9	931.3	1464.9	1734.0	1431.7	950.9	671.2	511.0	491.3
82.5°	89.2	104.3	143.6	263.1	625.9	979.7	709.0	311.4	187.5	122.5	98.3
85°	37.8	40.8	65.0	90.7	172.3	260.0	164.8	105.8	77.1	34.8	33.3
87.5°	13.6	15.1	24.2	24.2	36.3	21.2	37.8	25.7	27.2	9.1	9.1
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)