

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: P594802

Luminaire Tested: **ISS-PA1E-740-U-5WQ**

Issue Date: 3/22/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P594802  
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-740-U-5WQ  
Description: IMPACT ELITE LED QUARTER SPHERE LUMINAIRE  
(1) 70 CRI, 4000K, 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: 10619 lumens  
Efficiency: N/A  
Efficacy: 128.9 lumens/watt  
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')  
IES Classification: Type V - Medium  
BUG Rating: B4 - U0 - G3

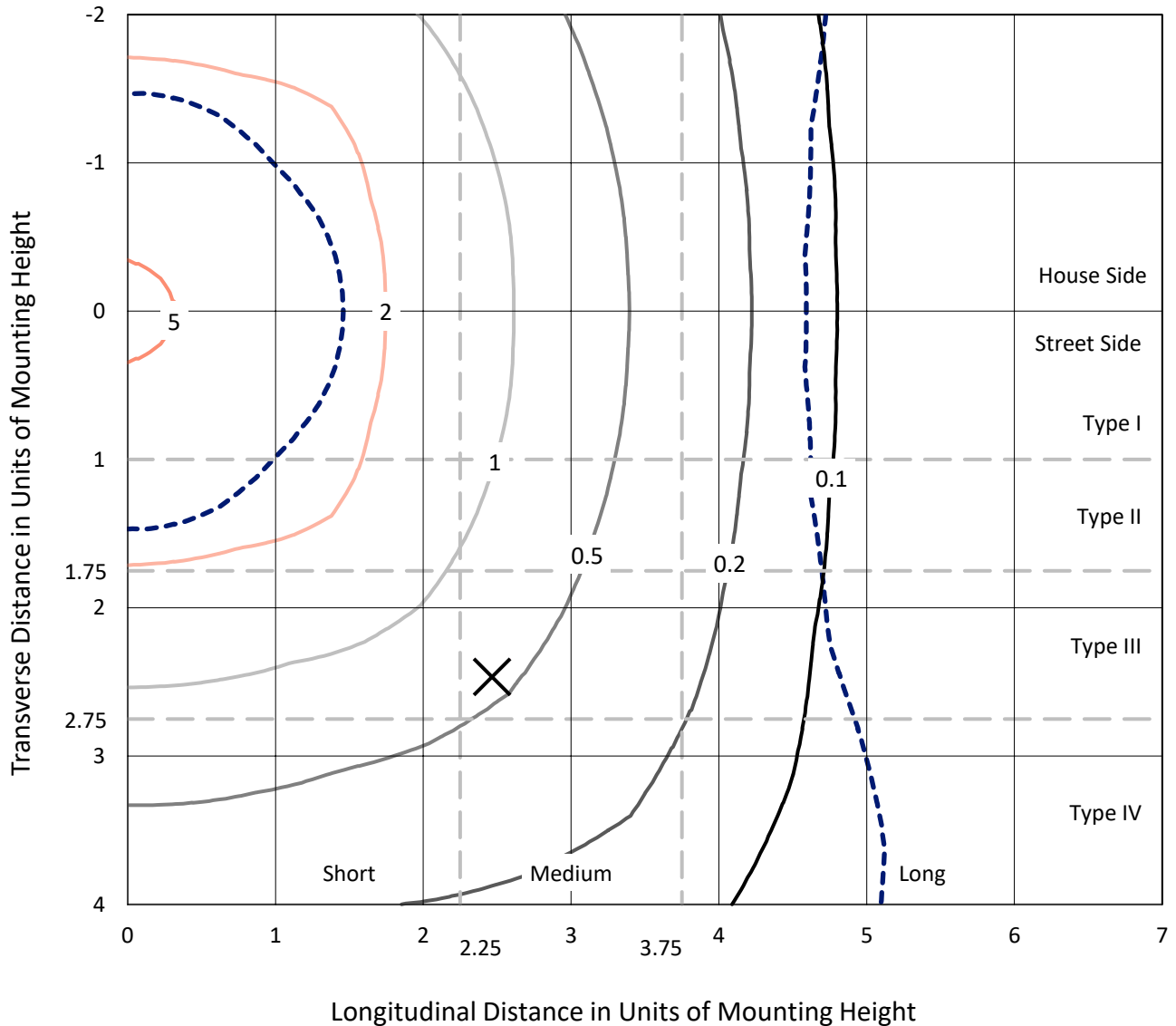
Input Watts (W): 82.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

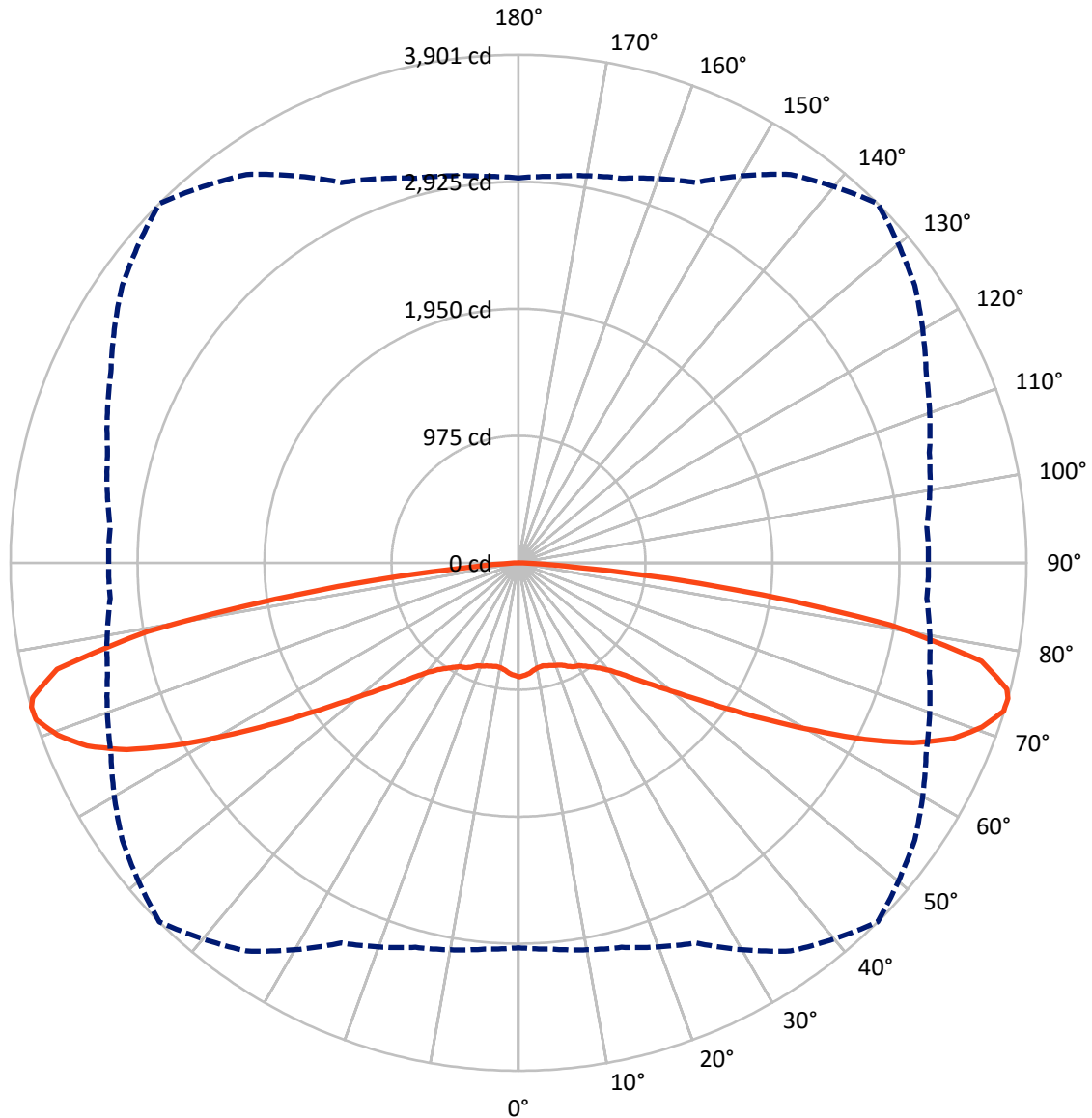
× Max cd  
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 6.1 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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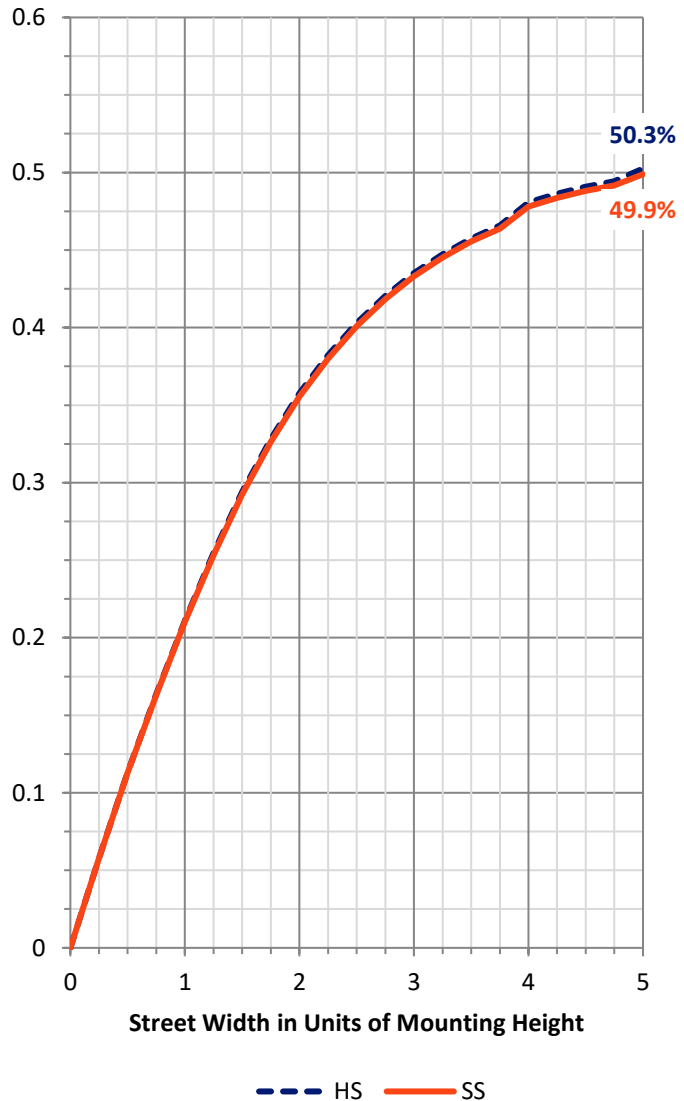
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5309.5	0.0	5309.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5309.5	0.0	5309.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10619.0	0.0	10619.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.3	0.8
10°-20°	235.2	2.2
20°-30°	406.3	3.8
30°-40°	622.3	5.9
40°-50°	1012.4	9.5
50°-60°	1755.6	16.5
60°-70°	2907.6	27.4
70°-80°	3145.9	29.6
80°-90°	453.4	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°	10619.0	100.0
0°-180°	10619.0	100.0

**Coefficient of Utilization**

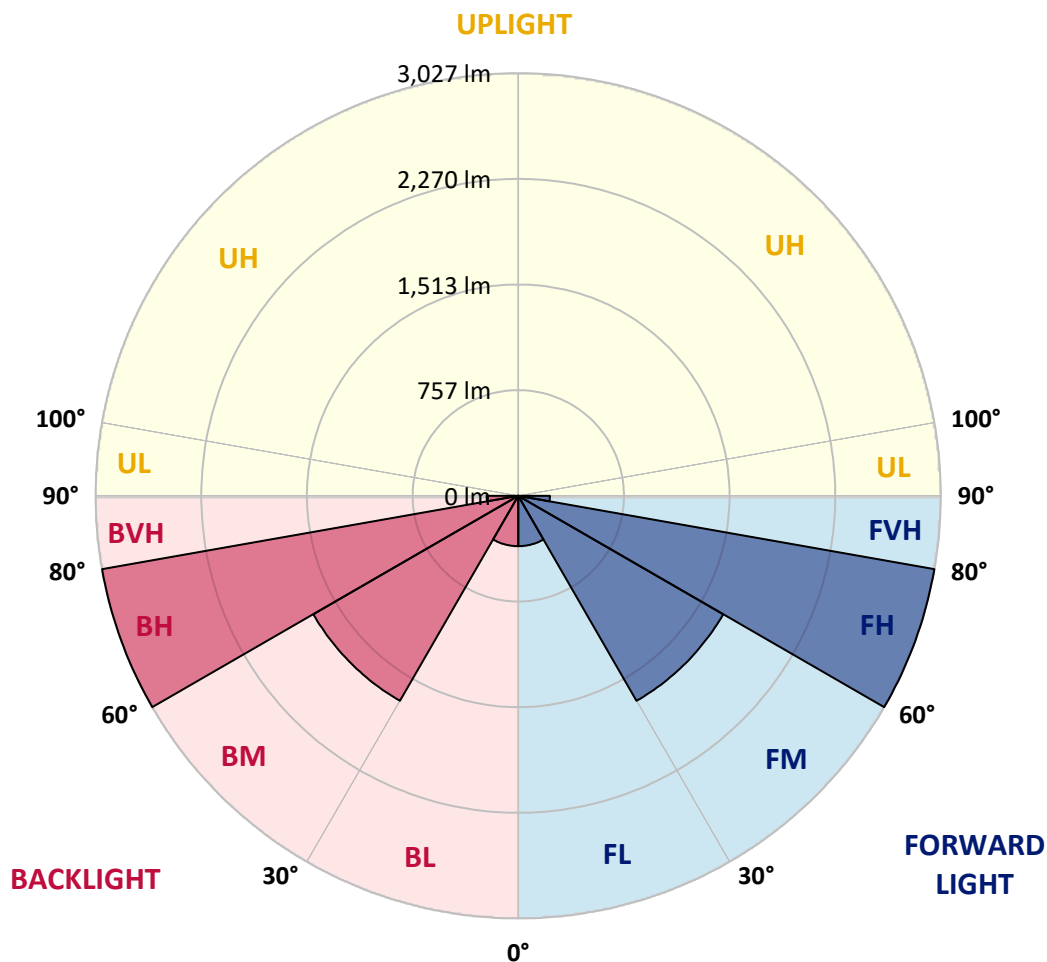


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	360.9	3.4			
FM (30°-60°)	1695.2	16.0			
FH (60°-80°)	3026.7	28.5			G2/5000
FVH (80°-90°)	226.7	2.1			G3/500
BL (0°-30°)	360.9	3.4	B1/500		
BM (30°-60°)	1695.2	16.0	B2/2500		
BH (60°-80°)	3026.7	28.5	B4/5000		G2/5000
BVH (80°-90°)	226.7	2.1			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G3**  
 Type V Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	876.0	876.0	876.0	876.0	876.0	876.0	876.0	876.0	876.0	876.0	876.0
2.5°	863.4	865.9	865.9	863.4	865.9	865.9	865.9	868.5	865.9	871.0	868.5
5°	850.8	850.8	853.3	850.8	850.8	853.3	850.8	855.8	853.3	858.4	853.3
7.5°	830.6	830.6	830.6	830.6	833.1	833.1	833.1	838.2	838.2	838.2	835.6
10°	825.5	823.0	823.0	818.0	818.0	818.0	815.4	823.0	825.5	830.6	828.1
12.5°	828.1	828.1	823.0	818.0	815.4	812.9	812.9	820.5	828.1	830.6	830.6
15°	838.2	838.2	830.6	820.5	820.5	820.5	818.0	820.5	833.1	838.2	833.1
17.5°	845.7	843.2	835.6	830.6	830.6	828.1	828.1	828.1	835.6	843.2	843.2
20°	858.4	858.4	848.3	843.2	843.2	840.7	838.2	835.6	843.2	853.3	850.8
22.5°	876.0	871.0	863.4	858.4	855.8	853.3	848.3	850.8	855.8	863.4	863.4
25°	888.7	888.7	881.1	878.6	881.1	881.1	873.5	868.5	871.0	878.6	878.6
27.5°	893.7	893.7	888.7	888.7	898.8	903.8	893.7	883.6	878.6	886.1	883.6
30°	913.9	913.9	908.9	906.3	913.9	916.4	911.4	903.8	901.3	908.9	906.3
32.5°	949.2	946.7	939.1	931.6	934.1	946.7	936.6	934.1	934.1	941.7	944.2
35°	989.6	984.6	977.0	969.4	972.0	984.6	974.5	974.5	977.0	987.1	987.1
37.5°	1047.7	1042.7	1032.6	1014.9	1012.4	1027.5	1025.0	1027.5	1037.6	1042.7	1047.7
40°	1110.8	1108.3	1095.7	1080.5	1078.0	1088.1	1090.6	1095.7	1105.8	1110.8	1113.3
42.5°	1201.7	1196.7	1176.5	1161.3	1158.8	1171.4	1176.5	1181.5	1194.1	1199.2	1204.2
45°	1312.8	1310.3	1287.5	1269.9	1262.3	1280.0	1280.0	1285.0	1297.6	1307.7	1307.7
47.5°	1434.0	1431.4	1413.8	1393.6	1396.1	1408.7	1406.2	1408.7	1418.8	1428.9	1436.5
50°	1570.3	1562.7	1542.5	1537.5	1550.1	1562.7	1552.6	1550.1	1565.2	1570.3	1567.8
52.5°	1719.2	1711.7	1701.6	1701.6	1731.9	1754.6	1747.0	1724.3	1724.3	1721.8	1719.2
55°	1896.0	1890.9	1888.4	1901.0	1951.5	1997.0	1969.2	1926.3	1908.6	1898.5	1903.5
57.5°	2080.3	2067.6	2090.4	2118.1	2219.1	2284.8	2241.8	2161.1	2135.8	2115.6	2105.5
60°	2267.1	2262.0	2294.9	2360.5	2504.4	2615.5	2557.4	2423.6	2378.2	2332.7	2332.7
62.5°	2448.9	2443.8	2491.8	2592.8	2820.0	2984.1	2878.0	2708.9	2620.5	2552.4	2542.3
65°	2668.5	2660.9	2713.9	2822.5	3125.4	3332.5	3198.7	2976.5	2870.5	2777.1	2764.4
67.5°	2847.7	2847.7	2918.4	3052.2	3383.0	3600.1	3433.4	3241.6	3117.9	3021.9	3011.8
70°	3019.4	3034.6	3087.6	3218.9	3579.9	3776.8	3625.3	3453.6	3342.6	3246.6	3236.5
72.5°	3092.6	3112.8	3165.8	3294.6	3665.7	3895.4	3718.7	3521.8	3403.1	3307.2	3294.6
74°	2956.3	2979.0	3057.3	3221.4	3640.5	3900.5	3713.7	3453.6	3266.8	3148.2	3148.2
75°	2802.3	2832.6	2926.0	3102.7	3587.4	3872.7	3660.7	3345.1	3085.1	2946.2	2953.8
77.5°	2161.1	2226.7	2327.7	2605.4	3218.9	3635.4	3254.2	2683.6	2267.1	2060.1	2055.0
80°	616.0	706.9	936.6	1555.1	2446.3	2895.7	2390.8	1588.0	1120.9	853.3	820.5
82.5°	149.0	174.2	239.8	439.3	1045.2	1635.9	1184.0	520.1	313.0	204.5	164.1
85°	63.1	68.2	108.6	151.5	287.8	434.2	275.2	176.7	128.8	58.1	55.5
87.5°	22.7	25.2	40.4	40.4	60.6	35.3	63.1	42.9	45.4	15.1	15.1
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)