

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: P595621

Luminaire Tested: **ISW-PA1C-735-U-5WQ**

Issue Date: 3/22/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P595621  
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: ISW-PA1C-735-U-5WQ  
Description: IMPACT ELITE LED WEDGE LUMINAIRE  
(1) 70 CRI, 3500K, 615mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6355 lumens  
Efficiency: N/A  
Efficacy: 131.6 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

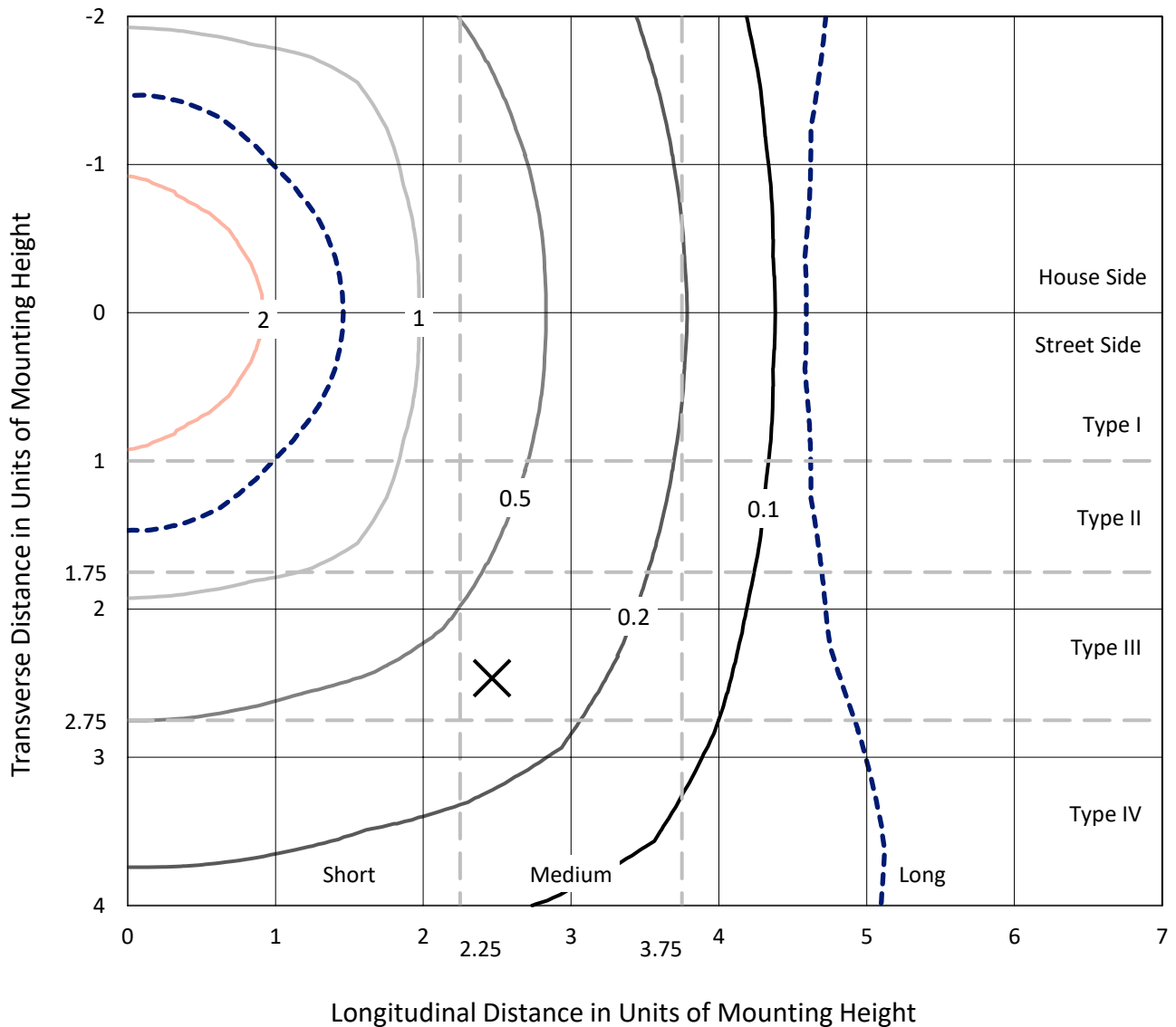
Input Watts (W): 48.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P595621  
 CATALOG NUMBER: ISW-PA1C-735-U-5WQ

### Iso-Footcandle Lines of Horizontal Illumination

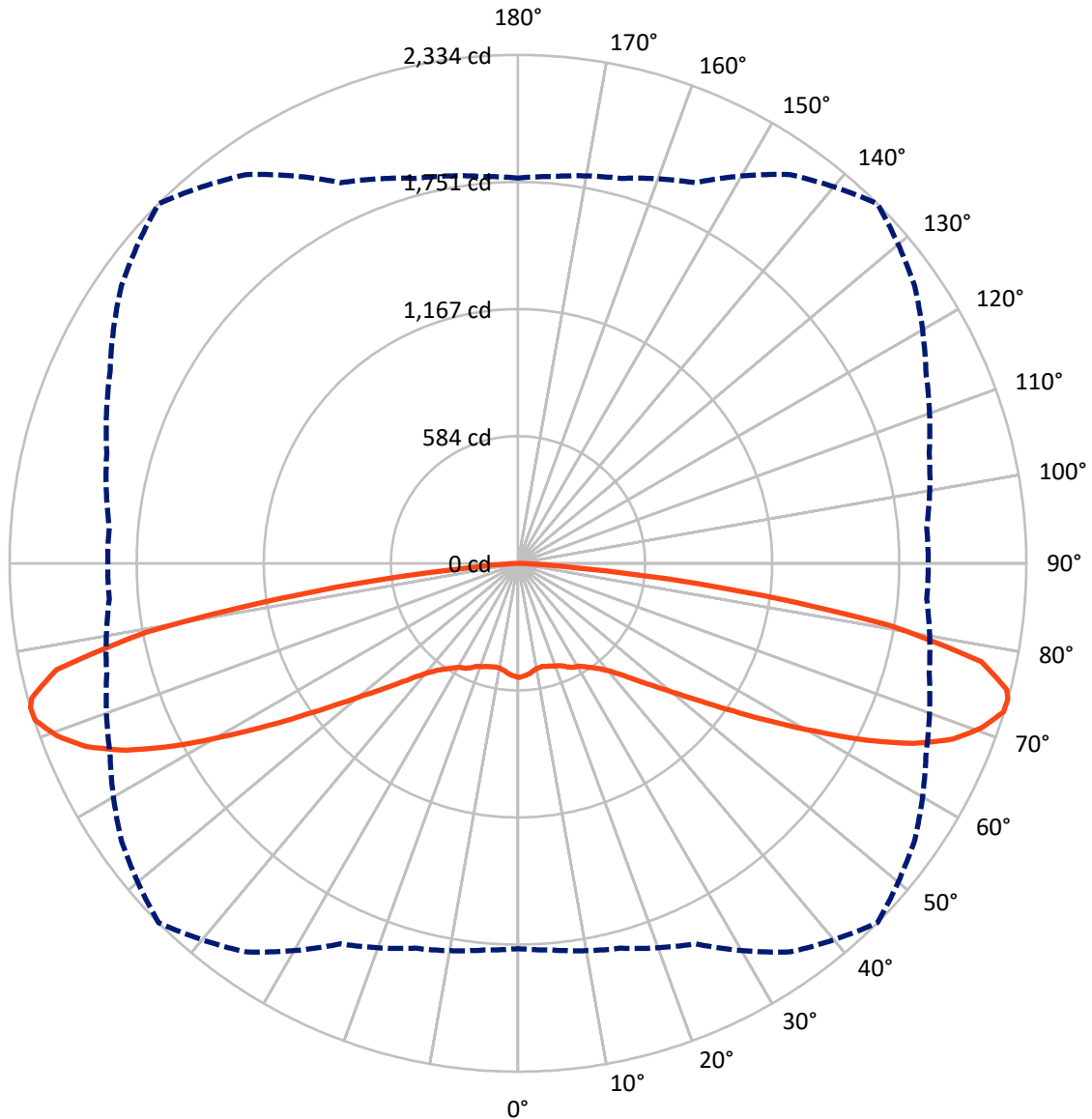
× Max cd  
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 3.6 fc  
 Type V - Medium - N/A

REPORT NUMBER: P595621  
CATALOG NUMBER: ISW-PA1C-735-U-5WQ

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 74-Deg Vertical

REPORT NUMBER: P595621  
 CATALOG NUMBER: ISW-PA1C-735-U-5WQ

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3177.5	0.0	3177.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3177.5	0.0	3177.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6355.0	0.0	6355.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.1	0.8
10°-20°	140.8	2.2
20°-30°	243.1	3.8
30°-40°	372.4	5.9
40°-50°	605.9	9.5
50°-60°	1050.7	16.5
60°-70°	1740.0	27.4
70°-80°	1882.7	29.6
80°-90°	271.3	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°	6355.0	100.0
0°-180°	6355.0	100.0

**Coefficient of Utilization**

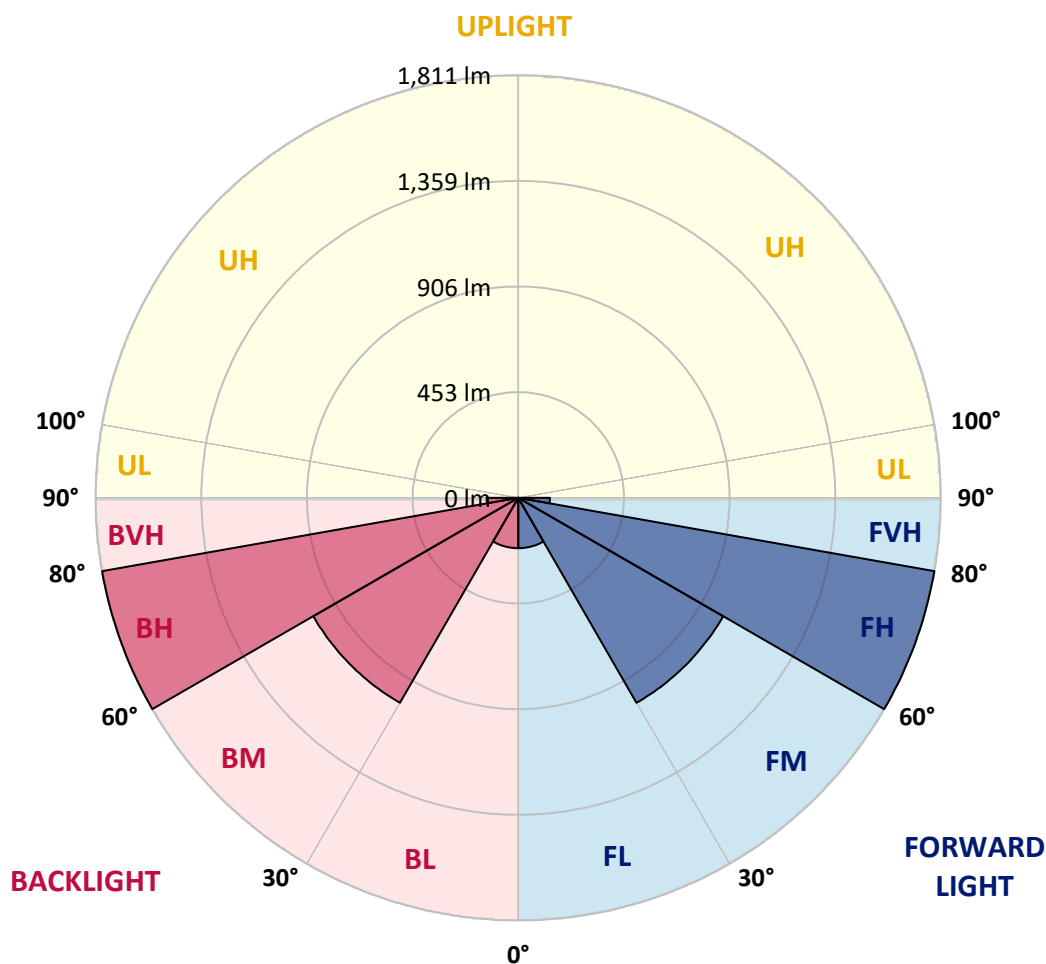


REPORT NUMBER: P595621  
 CATALOG NUMBER: ISW-PA1C-735-U-5WQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	216.0	3.4			
FM (30°-60°)	1014.5	16.0			
FH (60°-80°)	1811.4	28.5			G2/5000
FVH (80°-90°)	135.7	2.1			G2/225
BL (0°-30°)	216.0	3.4	B1/500		
BM (30°-60°)	1014.5	16.0	B2/2500		
BH (60°-80°)	1811.4	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





REPORT NUMBER: P595621  
 CATALOG NUMBER: ISW-PA1C-735-U-5WQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	524.3	524.3	524.3	524.3	524.3	524.3	524.3	524.3	524.3	524.3	524.3
2.5°	516.7	518.2	518.2	516.7	518.2	518.2	518.2	519.7	518.2	521.2	519.7
5°	509.2	509.2	510.7	509.2	509.2	510.7	509.2	512.2	510.7	513.7	510.7
7.5°	497.1	497.1	497.1	497.1	498.6	498.6	498.6	501.6	501.6	501.6	500.1
10°	494.0	492.5	492.5	489.5	489.5	489.5	488.0	492.5	494.0	497.1	495.6
12.5°	495.6	495.6	492.5	489.5	488.0	486.5	486.5	491.0	495.6	497.1	497.1
15°	501.6	501.6	497.1	491.0	491.0	491.0	489.5	491.0	498.6	501.6	498.6
17.5°	506.1	504.6	500.1	497.1	497.1	495.6	495.6	495.6	500.1	504.6	504.6
20°	513.7	513.7	507.6	504.6	504.6	503.1	501.6	500.1	504.6	510.7	509.2
22.5°	524.3	521.2	516.7	513.7	512.2	510.7	507.6	509.2	512.2	516.7	516.7
25°	531.8	531.8	527.3	525.8	527.3	527.3	522.8	519.7	521.2	525.8	525.8
27.5°	534.8	534.8	531.8	531.8	537.9	540.9	534.8	528.8	525.8	530.3	528.8
30°	546.9	546.9	543.9	542.4	546.9	548.4	545.4	540.9	539.4	543.9	542.4
32.5°	568.1	566.6	562.0	557.5	559.0	566.6	560.5	559.0	559.0	563.5	565.1
35°	592.3	589.2	584.7	580.2	581.7	589.2	583.2	583.2	584.7	590.7	590.7
37.5°	627.0	624.0	617.9	607.4	605.9	614.9	613.4	614.9	621.0	624.0	627.0
40°	664.8	663.3	655.7	646.6	645.1	651.2	652.7	655.7	661.8	664.8	666.3
42.5°	719.2	716.1	704.1	695.0	693.5	701.0	704.1	707.1	714.6	717.7	720.7
45°	785.6	784.1	770.5	760.0	755.4	766.0	766.0	769.0	776.6	782.6	782.6
47.5°	858.2	856.7	846.1	834.0	835.5	843.1	841.5	843.1	849.1	855.1	859.7
50°	939.8	935.2	923.1	920.1	927.7	935.2	929.2	927.7	936.7	939.8	938.2
52.5°	1028.9	1024.4	1018.3	1018.3	1036.4	1050.0	1045.5	1031.9	1031.9	1030.4	1028.9
55°	1134.7	1131.6	1130.1	1137.7	1167.9	1195.1	1178.5	1152.8	1142.2	1136.2	1139.2
57.5°	1244.9	1237.4	1251.0	1267.6	1328.0	1367.3	1341.6	1293.3	1278.2	1266.1	1260.1
60°	1356.7	1353.7	1373.4	1412.7	1498.8	1565.2	1530.5	1450.4	1423.2	1396.0	1396.0
62.5°	1465.5	1462.5	1491.2	1551.6	1687.6	1785.8	1722.4	1621.1	1568.3	1527.5	1521.4
65°	1597.0	1592.4	1624.2	1689.1	1870.4	1994.3	1914.3	1781.3	1717.8	1661.9	1654.4
67.5°	1704.2	1704.2	1746.5	1826.6	2024.5	2154.5	2054.8	1939.9	1865.9	1808.5	1802.5
70°	1807.0	1816.0	1847.8	1926.3	2142.4	2260.2	2169.6	2066.9	2000.4	1943.0	1936.9
72.5°	1850.8	1862.9	1894.6	1971.7	2193.8	2331.3	2225.5	2107.6	2036.6	1979.2	1971.7
74°	1769.2	1782.8	1829.6	1927.9	2178.7	2334.3	2222.5	2066.9	1955.0	1884.0	1884.0
75°	1677.1	1695.2	1751.1	1856.8	2146.9	2317.7	2190.7	2001.9	1846.3	1763.2	1767.7
77.5°	1293.3	1332.6	1393.0	1559.2	1926.3	2175.6	1947.5	1606.0	1356.7	1232.9	1229.8
80°	368.6	423.0	560.5	930.7	1464.0	1733.0	1430.8	950.3	670.8	510.7	491.0
82.5°	89.1	104.2	143.5	262.9	625.5	979.0	708.6	311.2	187.3	122.4	98.2
85°	37.8	40.8	65.0	90.7	172.2	259.9	164.7	105.8	77.1	34.7	33.2
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)