

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: INVUE

Report Number: P672903

Luminaire Tested: **CCP-SA-2B-840-U-RW**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672903
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-840-U-RW
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ RW distribution lens
Light Source: (32) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

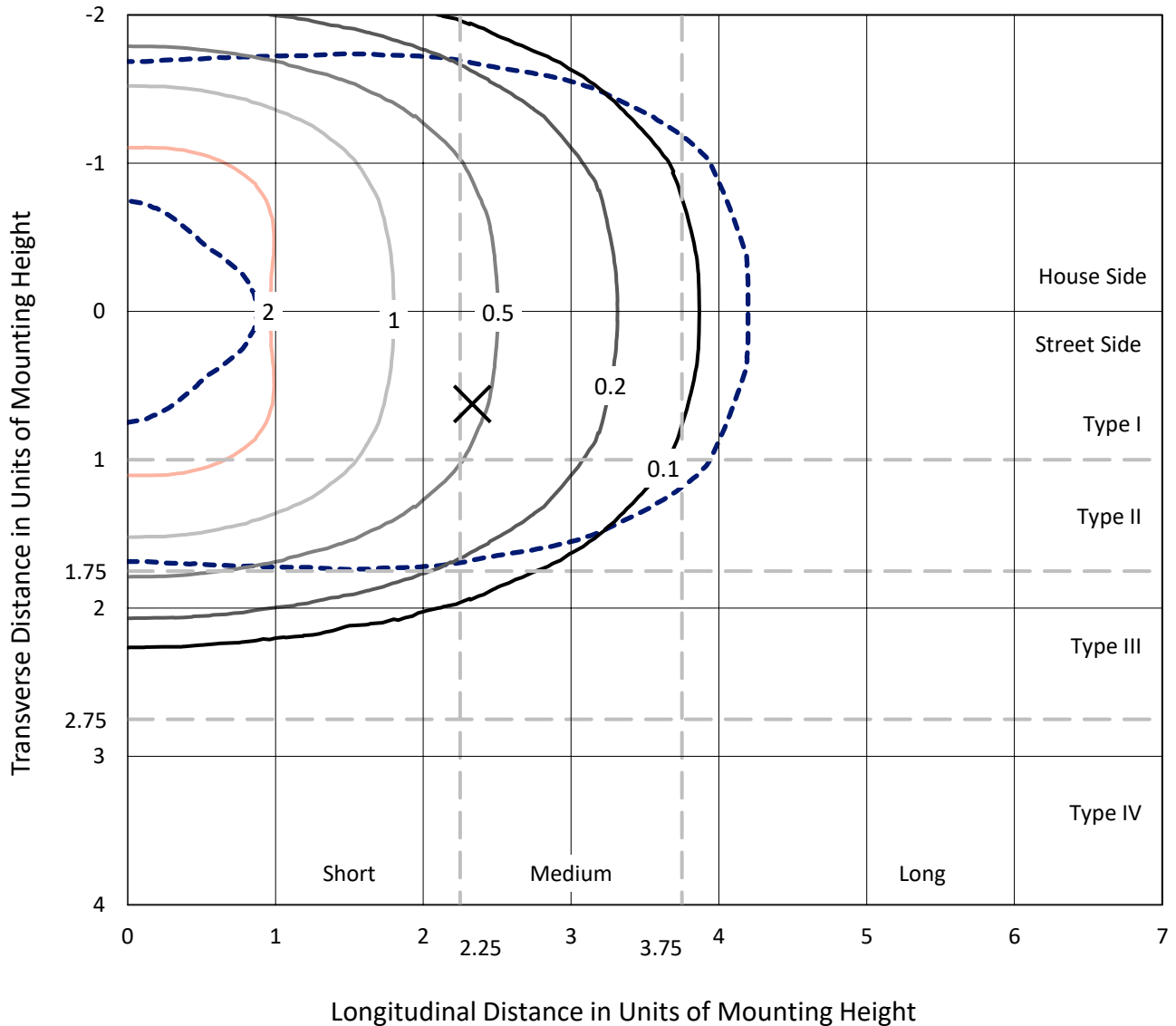
Lumens per Lamp: N/A
Luminaire Lumens: 5989.7 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 46
Input Voltage (V): 120
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: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

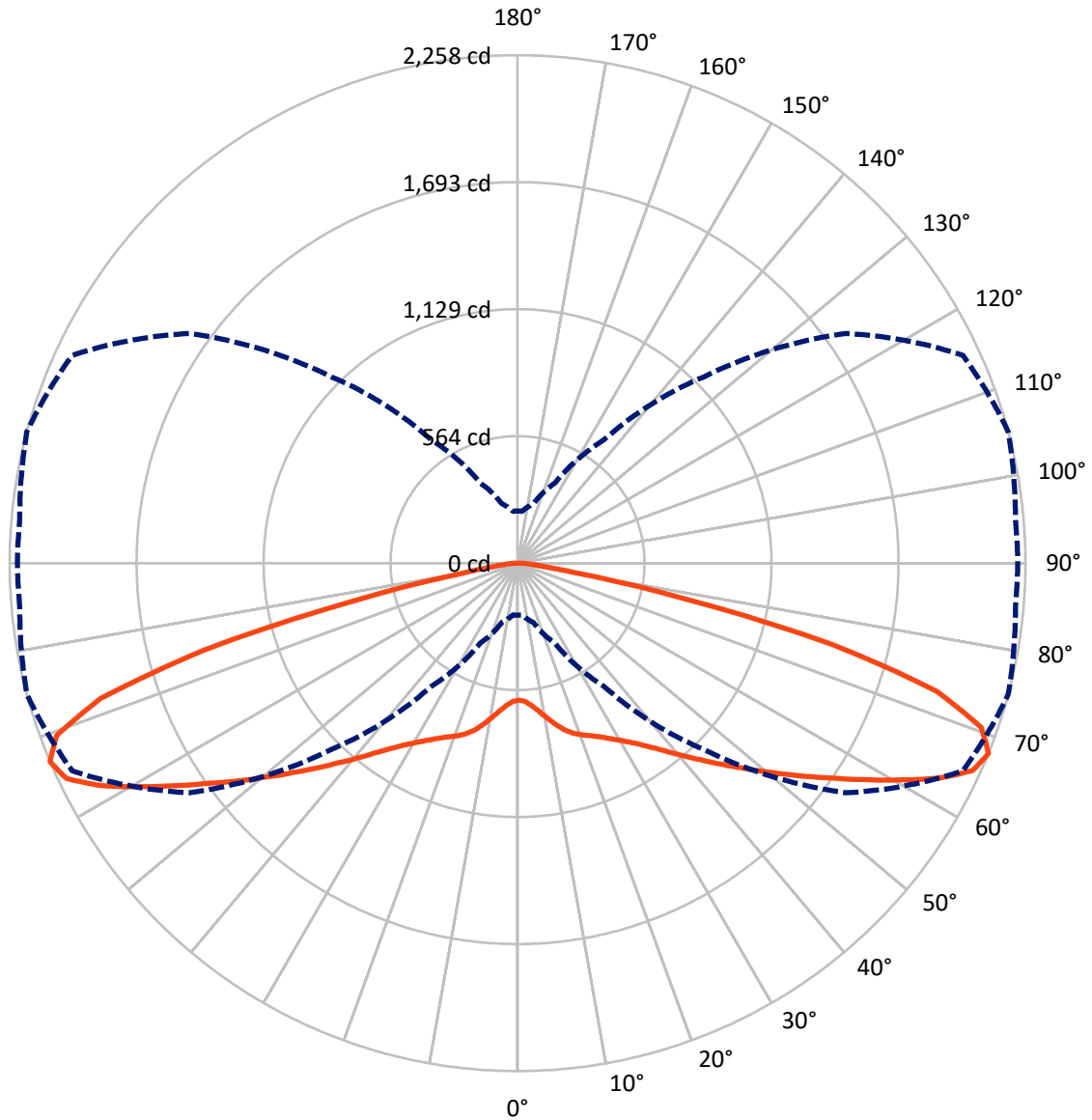
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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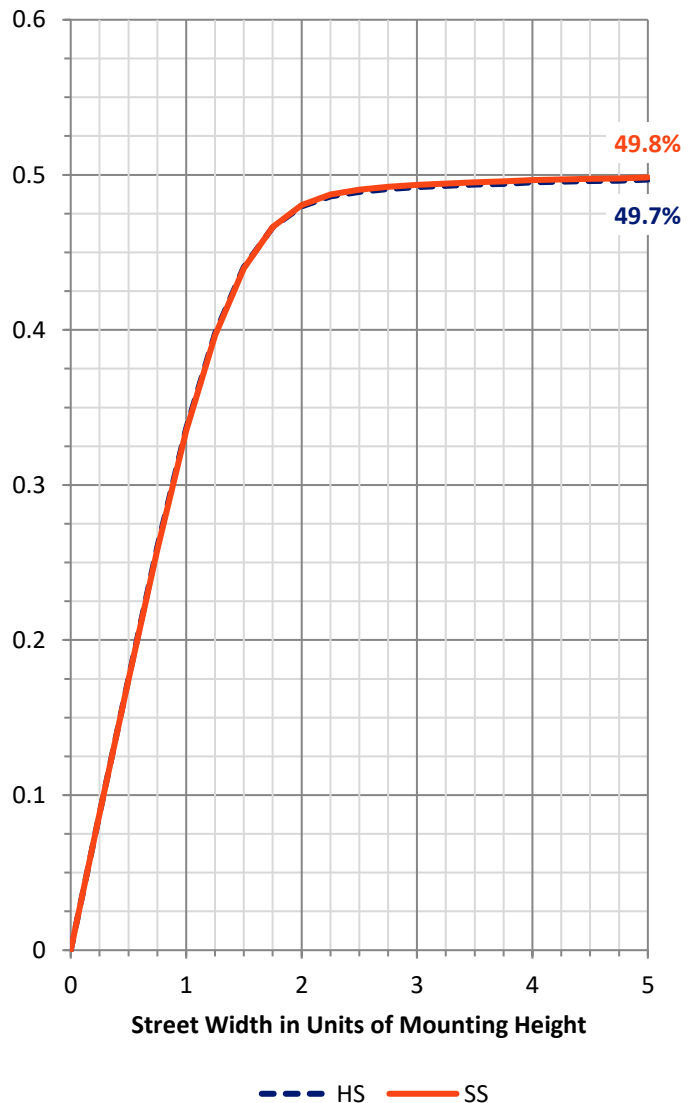
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2994.9	0.0	2994.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2994.9	0.0	2994.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	5989.7	0.0	5989.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.3	1.0
10°-20°	203.2	3.4
20°-30°	396.7	6.6
30°-40°	684.4	11.4
40°-50°	1108.7	18.5
50°-60°	1507.8	25.2
60°-70°	1391.0	23.2
70°-80°	582.0	9.7
80°-90°	55.6	0.9
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°	5989.7	100.0
0°-180°	5989.7	100.0



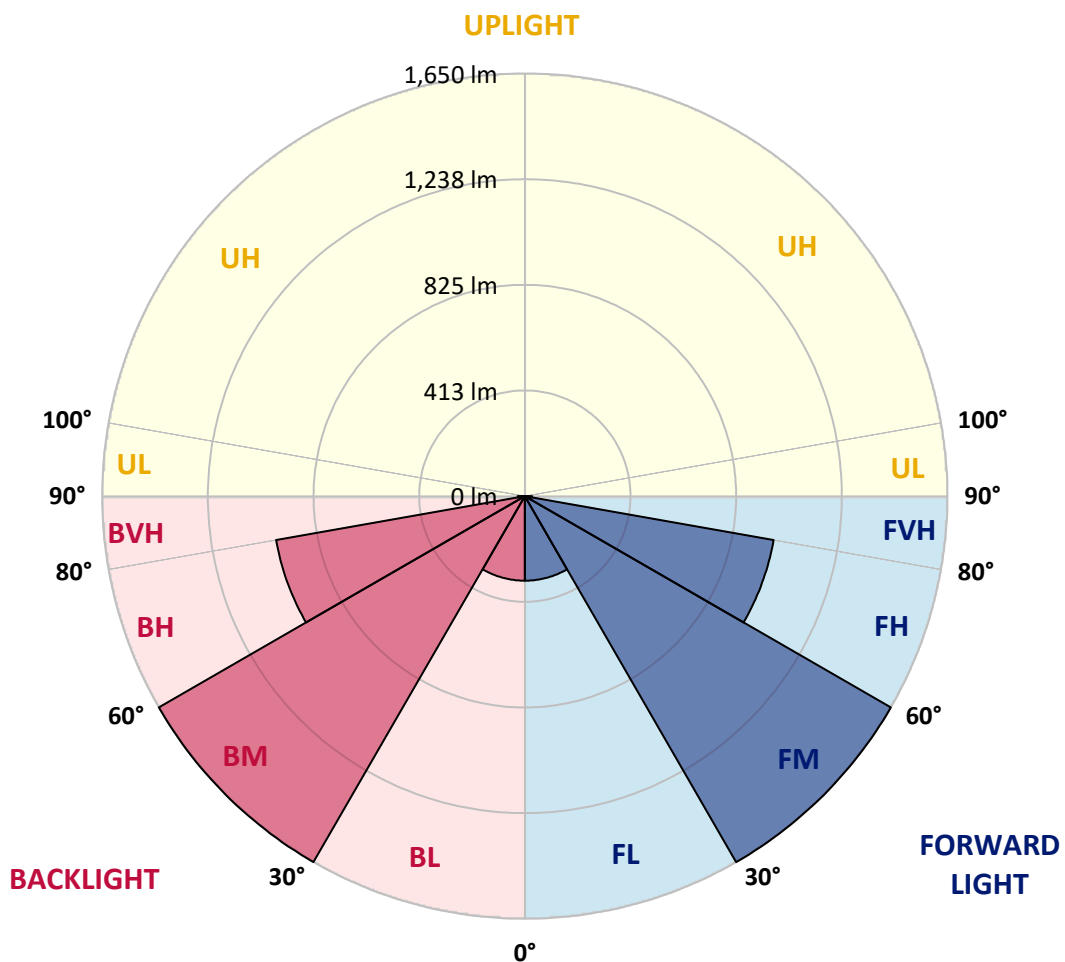
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	330.1	5.5			
FM (30°-60°)	1650.4	27.6			
FH (60°-80°)	986.5	16.5			G1/1800
FVH (80°-90°)	27.8	0.5			G1/100
BL (0°-30°)	330.1	5.5	B1/500		
BM (30°-60°)	1650.4	27.6	B2/2500		
BH (60°-80°)	986.5	16.5	B2/1000		G2/1000
BVH (80°-90°)	27.8	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	609.4	609.4	609.4	609.4	609.4	609.4	609.4	609.4	609.4	609.4	609.4
2.5°	605.5	605.5	607.2	609.4	610.2	611.9	612.4	612.4	615.0	614.5	615.0
5°	603.8	603.8	606.8	610.7	615.0	620.1	625.3	628.3	634.8	636.1	636.5
7.5°	605.5	605.9	610.2	616.7	624.0	633.5	643.4	651.6	662.3	666.2	668.8
10°	611.9	612.4	618.0	627.0	638.2	652.0	666.2	679.1	696.4	704.1	705.4
12.5°	621.9	622.3	630.5	645.1	661.0	678.3	694.2	710.6	732.1	743.7	746.3
15°	636.9	635.6	648.6	670.1	692.5	714.0	728.2	744.2	767.0	782.1	785.9
17.5°	657.6	658.5	674.4	702.0	729.5	751.5	765.7	774.7	794.5	810.0	813.9
20°	683.4	687.3	707.6	739.4	771.7	795.0	804.9	803.6	814.8	828.1	831.1
22.5°	720.0	722.6	747.2	782.9	820.0	844.1	847.9	833.7	833.3	841.9	845.8
25°	763.1	765.3	791.1	832.4	871.6	897.0	893.2	868.6	855.7	856.1	858.7
27.5°	813.5	817.8	844.5	886.7	927.2	950.4	944.8	909.1	883.7	875.9	874.2
30°	878.9	883.7	910.8	951.3	987.0	1007.7	999.1	953.9	916.0	903.1	900.5
32.5°	964.2	963.8	991.8	1031.0	1055.9	1069.3	1052.5	1001.3	953.5	936.2	932.8
35°	1052.1	1056.4	1083.9	1121.8	1140.8	1141.6	1114.9	1057.2	1000.4	970.7	964.2
37.5°	1151.1	1153.3	1185.1	1220.9	1233.4	1226.5	1186.9	1122.7	1057.2	1025.8	1014.6
40°	1252.7	1254.9	1291.9	1326.4	1340.2	1323.8	1271.7	1195.0	1124.4	1090.0	1083.5
42.5°	1347.1	1352.7	1394.0	1434.5	1447.8	1428.9	1366.0	1274.3	1195.5	1162.3	1153.7
45°	1425.4	1431.5	1478.0	1529.7	1553.3	1537.8	1466.8	1363.4	1277.3	1241.6	1226.9
47.5°	1484.4	1492.2	1541.7	1603.7	1649.8	1646.8	1574.0	1457.7	1365.1	1322.9	1309.6
50°	1524.9	1533.1	1586.5	1653.3	1722.6	1745.8	1683.0	1562.0	1462.9	1415.5	1406.5
52.5°	1527.9	1535.3	1596.4	1679.5	1772.1	1823.4	1790.2	1671.8	1570.6	1521.5	1515.0
55°	1460.8	1465.9	1547.3	1658.0	1792.3	1882.8	1888.0	1791.5	1685.5	1636.0	1633.0
57.5°	1306.6	1313.9	1411.2	1557.6	1758.8	1921.1	1972.8	1916.8	1815.6	1769.1	1766.5
60°	1055.5	1065.0	1176.1	1370.7	1637.3	1911.2	2044.7	2034.4	1957.7	1912.5	1910.8
62.5°	744.6	748.0	863.9	1078.3	1399.6	1806.1	2079.6	2148.9	2105.0	2059.4	2061.9
65°	437.5	442.3	527.1	720.0	1061.5	1564.5	2019.3	2228.6	2223.0	2181.2	2185.5
67.5°	231.3	231.3	273.9	393.6	667.5	1171.4	1779.4	2184.7	2257.9	2221.3	2223.4
70°	159.8	159.3	167.1	197.7	322.6	726.1	1331.1	1954.7	2186.8	2173.0	2178.6
72.5°	135.2	134.4	134.8	139.1	164.1	328.2	808.3	1505.5	1949.5	1970.6	1975.4
75°	118.4	117.1	116.3	115.4	117.6	149.0	368.6	928.9	1445.2	1577.9	1575.3
77.5°	102.1	101.2	100.3	97.3	93.9	97.8	150.7	417.7	743.3	877.2	867.8
80°	84.0	84.0	85.3	81.0	74.5	71.9	90.0	155.9	246.8	257.5	236.9
82.5°	65.9	65.9	72.3	66.3	58.6	52.1	62.4	83.1	100.3	81.4	66.3
85°	46.5	46.9	60.3	55.1	45.2	30.1	38.8	49.5	56.4	35.7	28.0
87.5°	18.9	20.2	37.5	29.7	28.4	15.1	18.1	22.0	28.0	15.1	12.1
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)