

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: P672745

Luminaire Tested: **CCP-SA-1E-835-U-5NQ**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672745
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-835-U-5NQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5NQ
distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5862.5 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

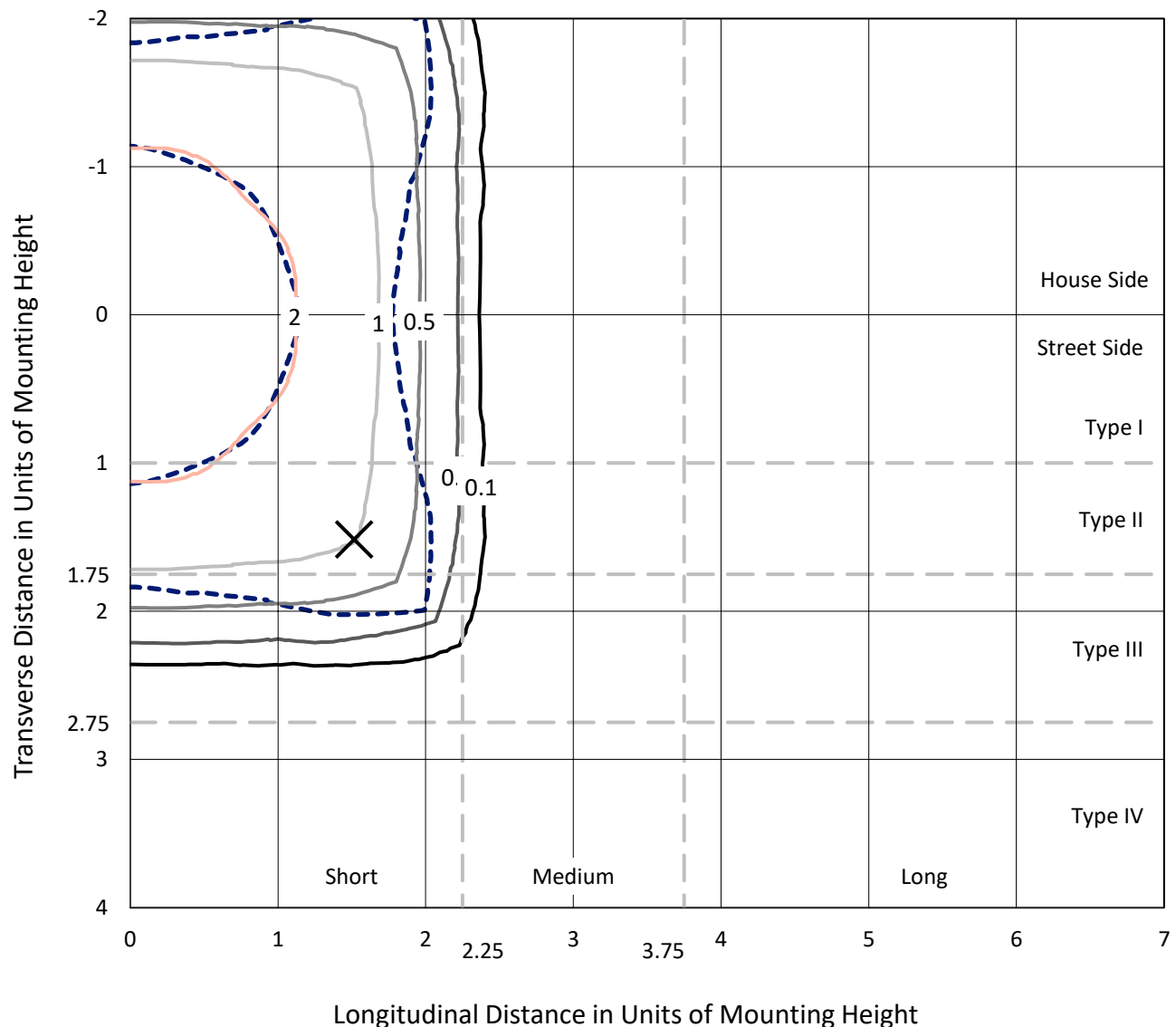
Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

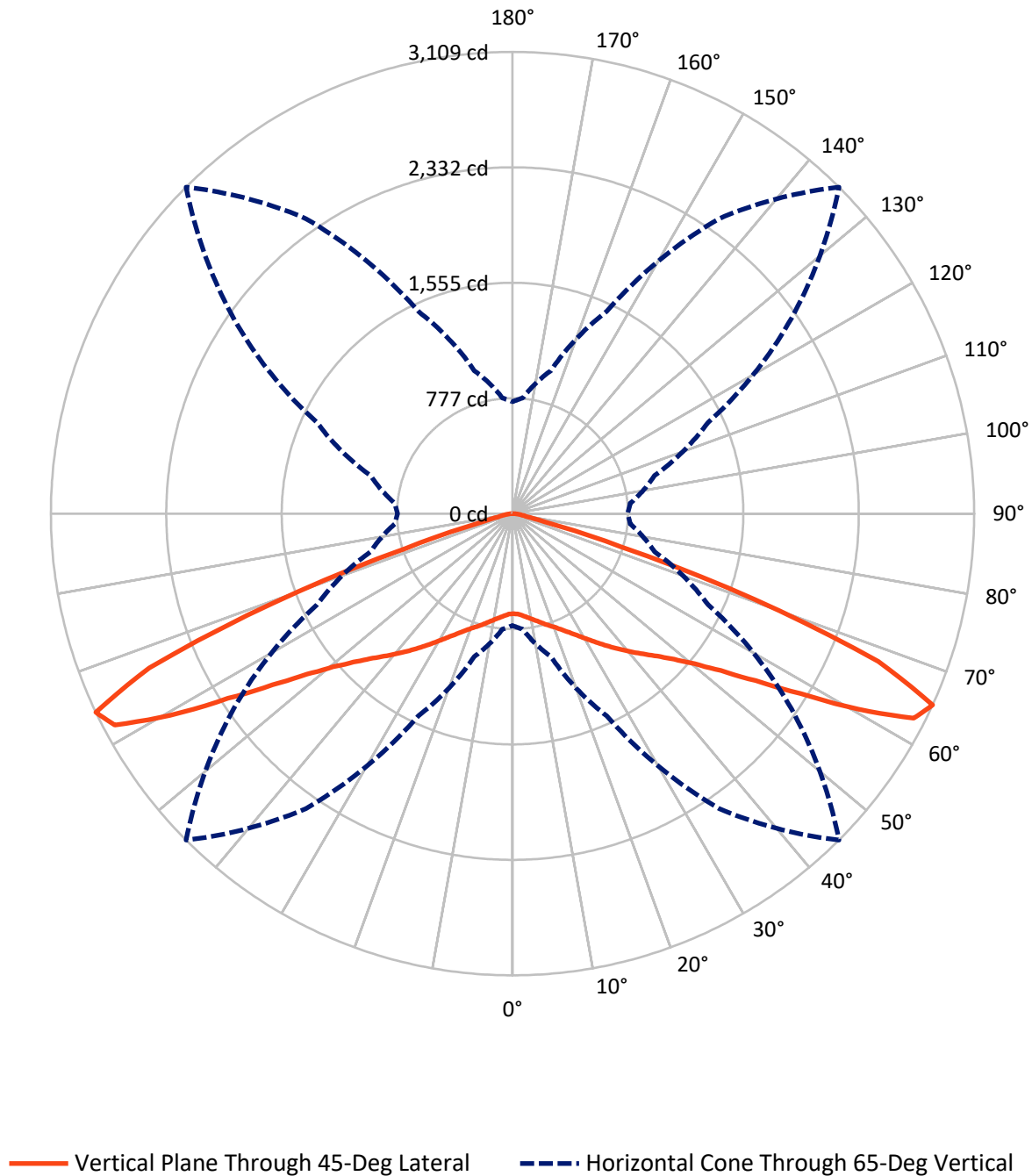
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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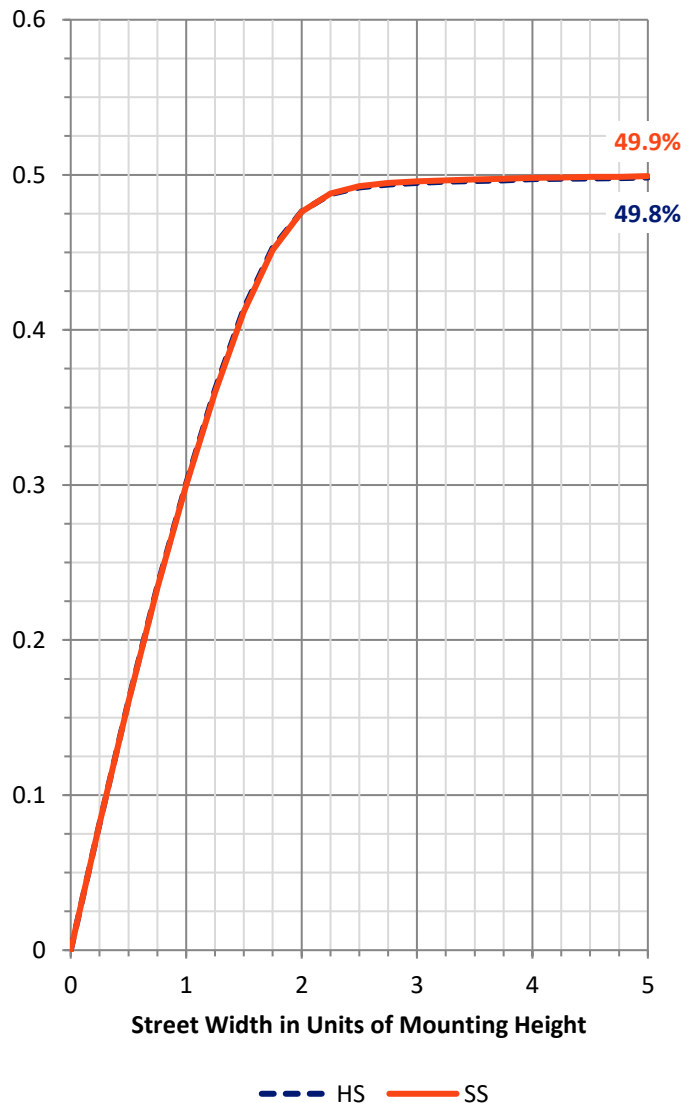
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2931.3	0.0	2931.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2931.3	0.0	2931.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	5862.5	0.0	5862.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.8	1.1
10°-20°	217.9	3.7
20°-30°	413.4	7.1
30°-40°	693.2	11.8
40°-50°	1097.0	18.7
50°-60°	1723.4	29.4
60°-70°	1456.1	24.8
70°-80°	169.5	2.9
80°-90°	25.2	0.4
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°	5862.5	100.0
0°-180°	5862.5	100.0



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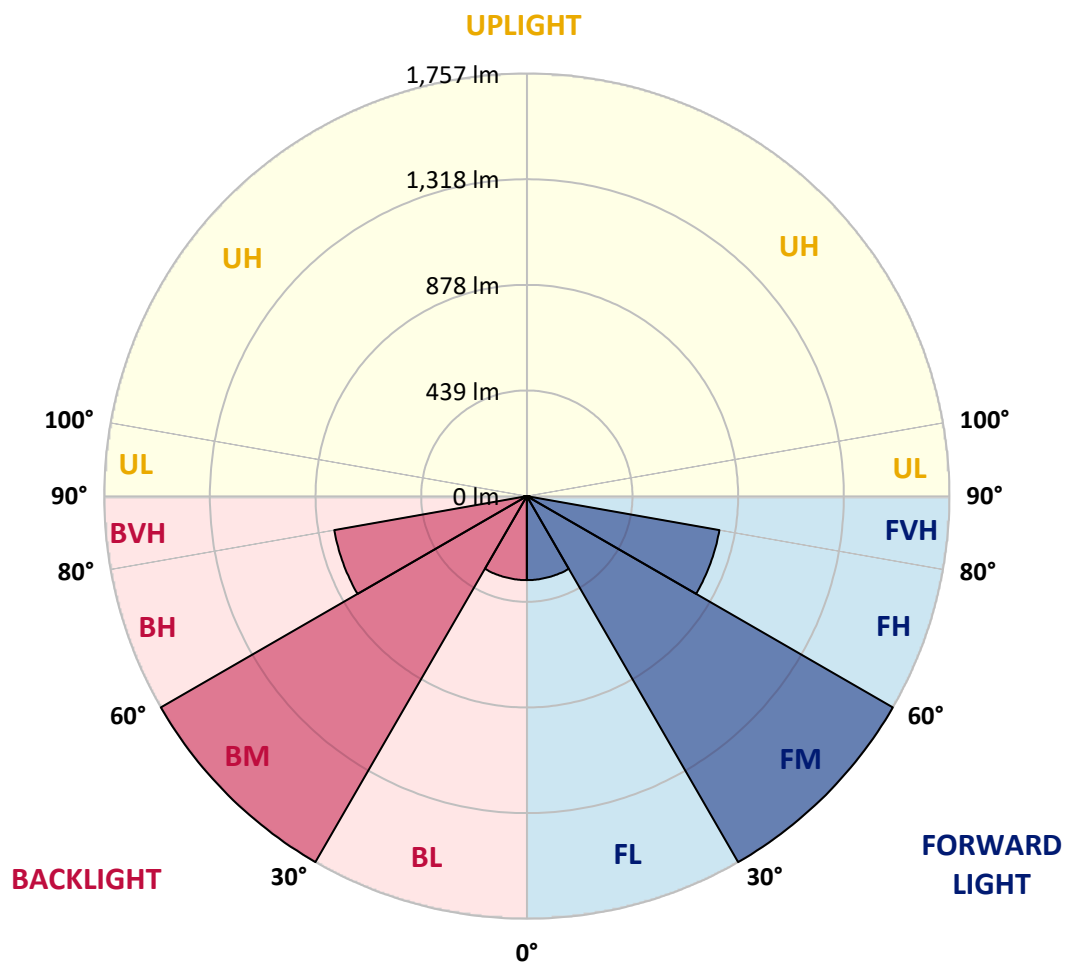
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	349.0	6.0			
FM	(30°-60°)	1756.8	30.0			
FH	(60°-80°)	812.8	13.9			G1/1800
FVH	(80°-90°)	12.6	0.2			G1/100
BL	(0°-30°)	349.0	6.0	B1/500		
BM	(30°-60°)	1756.8	30.0	B2/2500		
BH	(60°-80°)	812.8	13.9	B2/1000		G1/1800
BVH	(80°-90°)	12.6	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	674.1	674.1	674.1	674.1	674.1	674.1	674.1	674.1	674.1	674.1	674.1
2.5°	677.8	675.7	677.8	677.8	676.6	677.0	675.3	674.9	677.0	675.3	674.9
5°	691.8	690.2	691.8	690.6	688.5	688.9	686.5	685.6	688.1	685.6	686.0
7.5°	707.9	705.0	705.8	707.1	705.0	705.0	702.9	701.7	702.9	700.5	702.1
10°	721.5	719.0	720.2	721.9	721.5	722.7	720.7	719.8	718.6	715.7	718.2
12.5°	739.2	738.4	740.0	742.1	741.3	742.9	738.4	737.1	736.7	733.4	736.3
15°	762.3	760.2	763.1	765.6	764.3	767.2	763.5	761.9	759.8	755.7	758.1
17.5°	785.3	783.7	787.8	789.0	789.5	791.9	789.0	786.6	785.8	782.9	781.2
20°	812.9	810.9	814.2	816.7	814.6	817.5	816.2	814.6	813.8	809.2	808.8
22.5°	843.9	841.0	845.9	848.8	845.9	848.8	846.3	845.9	846.3	839.7	840.6
25°	878.5	878.9	883.8	885.9	884.2	885.9	882.2	884.6	883.4	876.4	873.9
27.5°	923.0	921.3	926.7	932.8	928.7	928.7	927.1	929.6	929.1	922.5	920.9
30°	974.9	974.5	982.3	986.0	980.2	977.8	977.3	983.5	983.9	976.9	974.1
32.5°	1029.3	1029.3	1038.7	1043.3	1035.0	1033.4	1031.7	1040.0	1038.7	1029.3	1023.1
35°	1089.0	1086.5	1099.3	1105.9	1097.7	1092.7	1091.9	1099.3	1097.7	1084.5	1077.1
37.5°	1147.9	1149.6	1164.4	1171.8	1161.9	1155.8	1157.8	1162.8	1163.2	1148.8	1140.9
40°	1220.0	1220.5	1239.0	1244.8	1232.0	1222.5	1225.4	1236.5	1235.7	1218.0	1208.1
42.5°	1300.8	1299.1	1322.2	1327.2	1309.9	1291.7	1300.4	1317.7	1321.8	1302.0	1291.7
45°	1387.3	1389.8	1413.7	1419.1	1391.9	1368.8	1387.3	1413.3	1418.6	1397.2	1384.4
47.5°	1492.4	1495.3	1524.1	1526.2	1495.3	1465.2	1489.9	1523.7	1525.8	1496.1	1481.3
50°	1612.3	1622.2	1654.3	1658.4	1628.0	1589.2	1624.7	1654.7	1646.9	1607.4	1593.8
52.5°	1748.3	1756.1	1806.4	1823.7	1796.9	1755.3	1783.7	1802.2	1777.1	1725.2	1704.2
55°	1864.1	1877.2	1944.0	1996.7	2016.9	1985.6	1982.3	1955.1	1885.1	1806.0	1784.1
57.5°	1896.6	1909.4	2012.8	2148.8	2268.7	2284.3	2211.8	2075.4	1924.6	1802.7	1780.4
60°	1764.3	1781.6	1932.9	2190.4	2534.4	2676.2	2414.1	2085.7	1822.0	1658.4	1630.4
62.5°	1385.7	1417.8	1613.1	2016.9	2641.6	3033.0	2497.4	1908.1	1512.6	1319.3	1282.3
65°	753.6	781.2	996.7	1503.1	2424.4	3109.2	2293.4	1452.8	989.3	795.2	775.0
67.5°	282.7	302.8	401.7	742.9	1714.1	2658.0	1740.9	831.9	449.1	322.2	293.8
70°	120.3	122.8	145.4	258.8	779.2	1729.3	891.2	282.7	150.0	121.1	117.8
72.5°	86.5	86.9	93.1	114.5	237.3	758.6	269.5	118.7	91.5	82.4	82.4
75°	69.2	69.6	73.3	82.8	112.1	223.3	116.2	83.2	70.9	64.7	63.9
77.5°	54.4	55.2	58.9	64.7	75.0	102.2	78.7	65.5	56.9	51.1	50.3
80°	40.4	41.6	46.6	49.4	52.7	68.0	57.3	51.1	45.3	39.1	37.9
82.5°	26.8	28.0	34.6	36.7	36.3	42.9	39.6	39.1	34.6	26.0	24.7
85°	16.1	16.9	22.2	23.9	22.2	21.0	25.1	27.2	24.3	16.9	15.7
87.5°	7.0	7.0	9.9	10.3	9.9	7.8	11.9	14.0	14.4	8.7	7.8
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)