

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: P672757

Luminaire Tested: **CCP-SA-1F-840-U-5NQ**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672757
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-840-U-5NQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ 5NQ
distribution lens
Light Source: (16) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6652.1 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

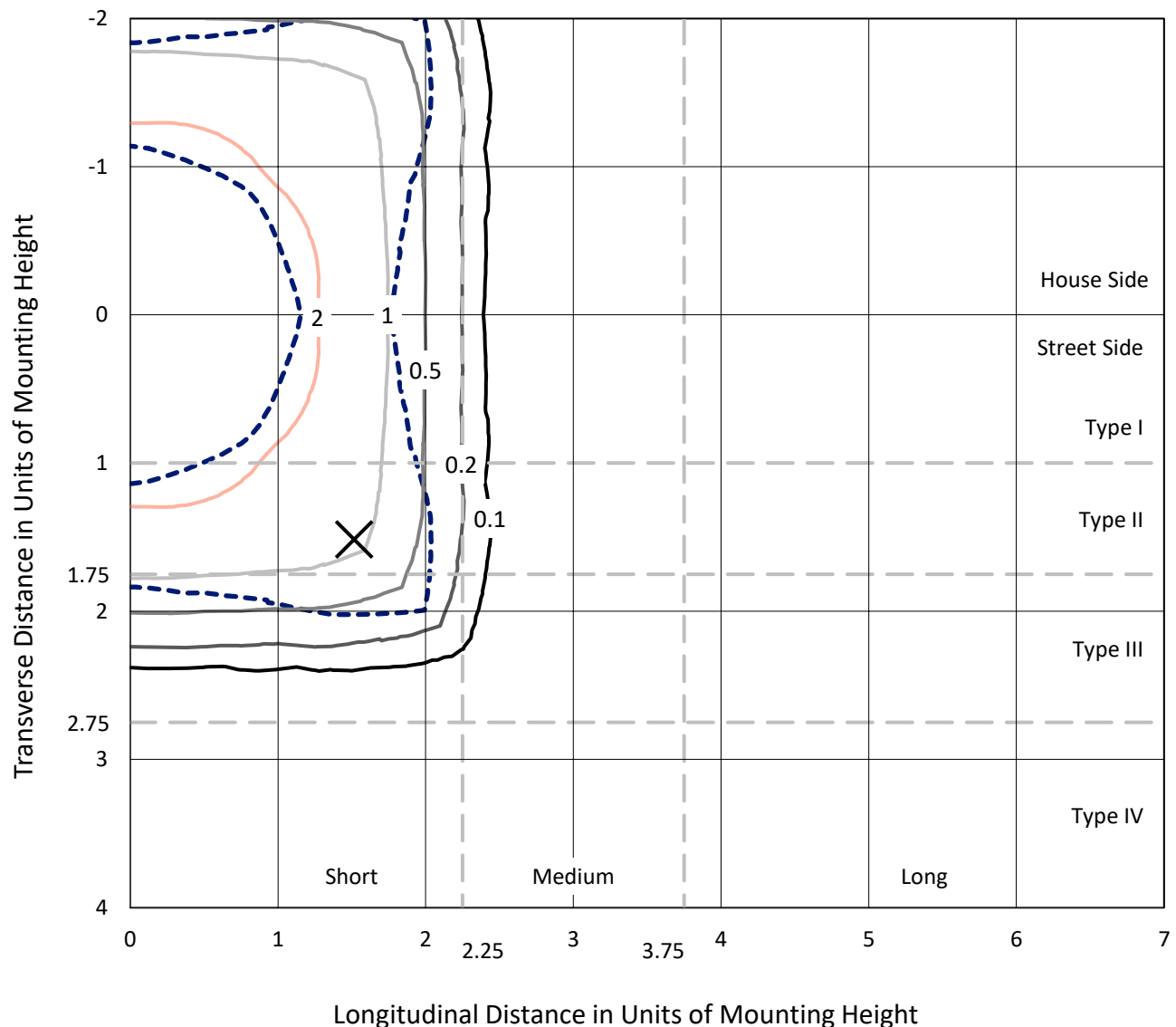
Input Watts (W): 67
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

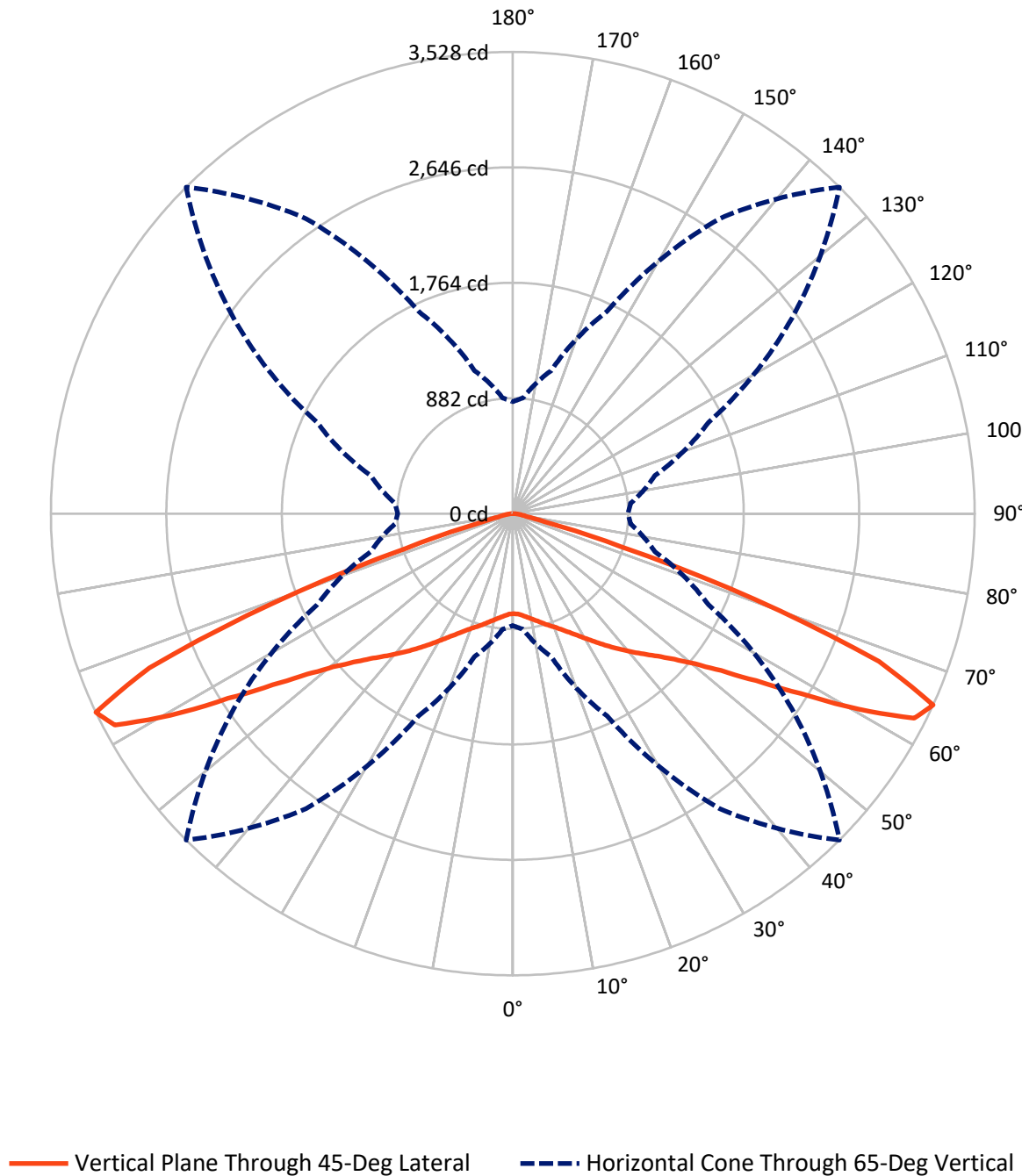
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.5 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	3326.1	0.0	3326.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3326.1	0.0	3326.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	6652.1	0.0	6652.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.7	1.1
10°-20°	247.3	3.7
20°-30°	469.0	7.1
30°-40°	786.6	11.8
40°-50°	1244.7	18.7
50°-60°	1955.5	29.4
60°-70°	1652.2	24.8
70°-80°	192.4	2.9
80°-90°	28.7	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°	6652.1	100.0
0°-180°	6652.1	100.0

Coefficient of Utilization



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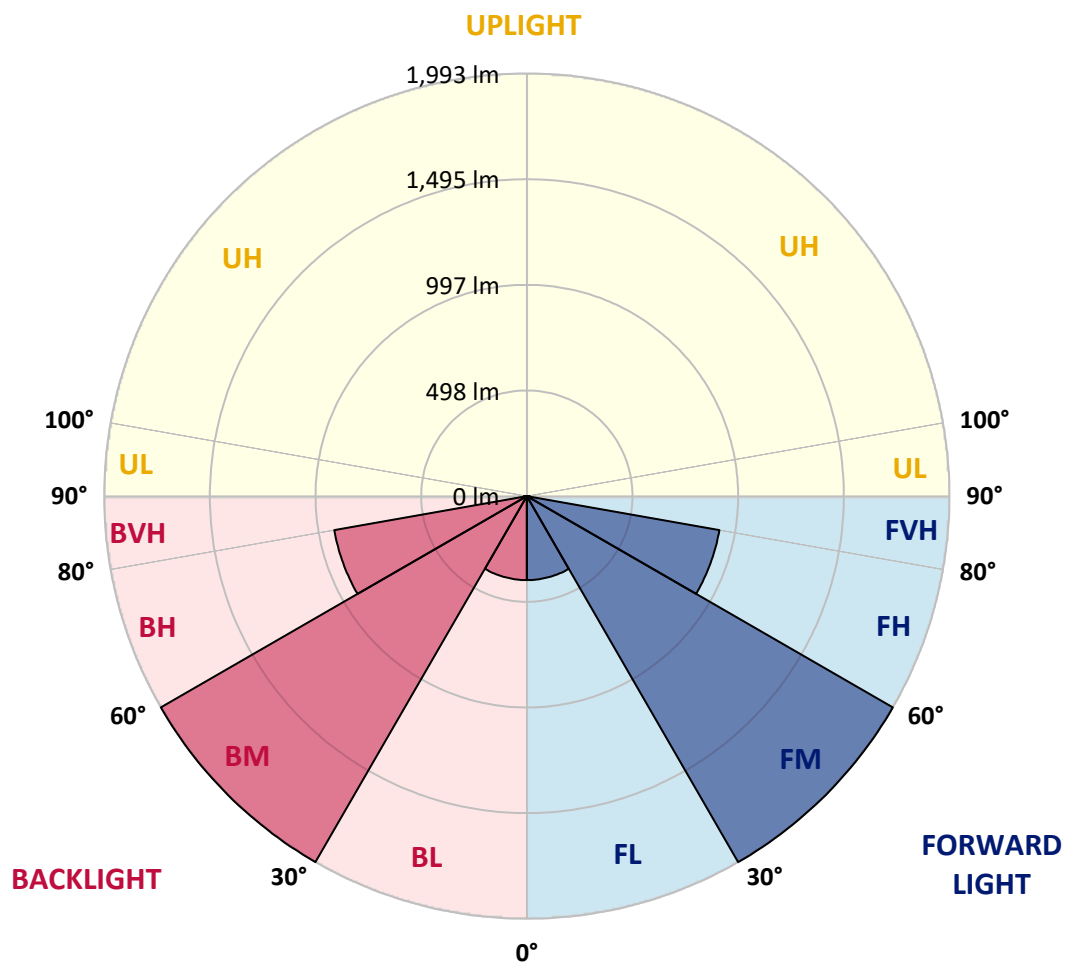
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	396.0	6.0			
FM	(30°-60°)	1993.4	30.0			
FH	(60°-80°)	922.3	13.9			G1/1800
FVH	(80°-90°)	14.3	0.2			G1/100
BL	(0°-30°)	396.0	6.0	B1/500		
BM	(30°-60°)	1993.4	30.0	B2/2500		
BH	(60°-80°)	922.3	13.9	B2/1000		G1/1800
BVH	(80°-90°)	14.3	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°	764.9	764.9	764.9	764.9	764.9	764.9	764.9	764.9	764.9	764.9	764.9
2.5°	769.1	766.8	769.1	769.1	767.7	768.2	766.3	765.8	768.2	766.3	765.8
5°	785.0	783.1	785.0	783.6	781.2	781.7	778.9	778.0	780.8	778.0	778.4
7.5°	803.2	799.9	800.9	802.3	799.9	799.9	797.6	796.2	797.6	794.8	796.7
10°	818.7	815.8	817.2	819.1	818.7	820.1	817.7	816.8	815.4	812.1	814.9
12.5°	838.8	837.8	839.7	842.0	841.1	843.0	837.8	836.4	835.9	832.2	835.5
15°	864.9	862.6	865.9	868.7	867.3	870.5	866.3	864.5	862.1	857.5	860.3
17.5°	891.1	889.2	893.9	895.3	895.8	898.6	895.3	892.5	891.6	888.3	886.4
20°	922.4	920.1	923.8	926.7	924.3	927.6	926.2	924.3	923.4	918.2	917.8
22.5°	957.5	954.2	959.8	963.1	959.8	963.1	960.3	959.8	960.3	952.8	953.8
25°	996.8	997.2	1002.9	1005.2	1003.3	1005.2	1001.0	1003.8	1002.4	994.4	991.6
27.5°	1047.3	1045.4	1051.5	1058.5	1053.8	1053.8	1052.0	1054.8	1054.3	1046.8	1044.9
30°	1106.2	1105.7	1114.6	1118.8	1112.3	1109.5	1109.0	1116.0	1116.5	1108.5	1105.2
32.5°	1167.9	1167.9	1178.7	1183.8	1174.4	1172.6	1170.7	1180.1	1178.7	1167.9	1160.9
35°	1235.7	1232.9	1247.4	1254.9	1245.5	1239.9	1239.0	1247.4	1245.5	1230.5	1222.1
37.5°	1302.5	1304.4	1321.2	1329.7	1318.4	1311.4	1313.8	1319.4	1319.8	1303.5	1294.6
40°	1384.4	1384.8	1405.9	1412.4	1397.9	1387.2	1390.4	1403.1	1402.1	1382.0	1370.8
42.5°	1476.0	1474.1	1500.3	1505.9	1486.3	1465.7	1475.5	1495.2	1499.8	1477.4	1465.7
45°	1574.2	1577.0	1604.1	1610.2	1579.3	1553.1	1574.2	1603.6	1609.7	1585.4	1570.9
47.5°	1693.4	1696.7	1729.4	1731.7	1696.7	1662.5	1690.6	1728.9	1731.3	1697.6	1680.8
50°	1829.5	1840.7	1877.1	1881.8	1847.2	1803.3	1843.5	1877.6	1868.7	1823.8	1808.4
52.5°	1983.7	1992.6	2049.7	2069.3	2038.9	1991.7	2024.0	2045.0	2016.5	1957.6	1933.7
55°	2115.1	2130.1	2205.8	2265.7	2288.6	2253.0	2249.3	2218.4	2139.0	2049.2	2024.4
57.5°	2152.1	2166.5	2283.9	2438.2	2574.2	2592.0	2509.7	2355.0	2183.8	2045.5	2020.2
60°	2002.0	2021.6	2193.2	2485.4	2875.8	3036.6	2739.3	2366.7	2067.4	1881.8	1850.0
62.5°	1572.3	1608.8	1830.4	2288.6	2997.4	3441.5	2833.7	2165.1	1716.3	1497.0	1455.0
65°	855.1	886.4	1131.0	1705.6	2751.0	3528.0	2602.3	1648.5	1122.5	902.3	879.4
67.5°	320.7	343.6	455.8	843.0	1944.9	3016.1	1975.3	943.9	509.6	365.6	333.4
70°	136.5	139.3	165.0	293.6	884.1	1962.2	1011.3	320.7	170.2	137.5	133.7
72.5°	98.2	98.6	105.7	130.0	269.3	860.7	305.8	134.6	103.8	93.5	93.5
75°	78.5	79.0	83.2	94.0	127.2	253.4	131.8	94.4	80.4	73.4	72.5
77.5°	61.7	62.6	66.9	73.4	85.1	115.9	89.3	74.3	64.5	58.0	57.0
80°	45.8	47.2	52.8	56.1	59.8	77.1	65.0	58.0	51.4	44.4	43.0
82.5°	30.4	31.8	39.3	41.6	41.1	48.6	44.9	44.4	39.3	29.5	28.1
85°	18.2	19.2	25.2	27.1	25.2	23.8	28.5	30.9	27.6	19.2	17.8
87.5°	7.9	7.9	11.2	11.7	11.2	8.9	13.6	15.9	16.4	9.8	8.9
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)