

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: P672756

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

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672756
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-840-U-5NQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5NQ
distribution lens
Light Source: (16) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6066 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

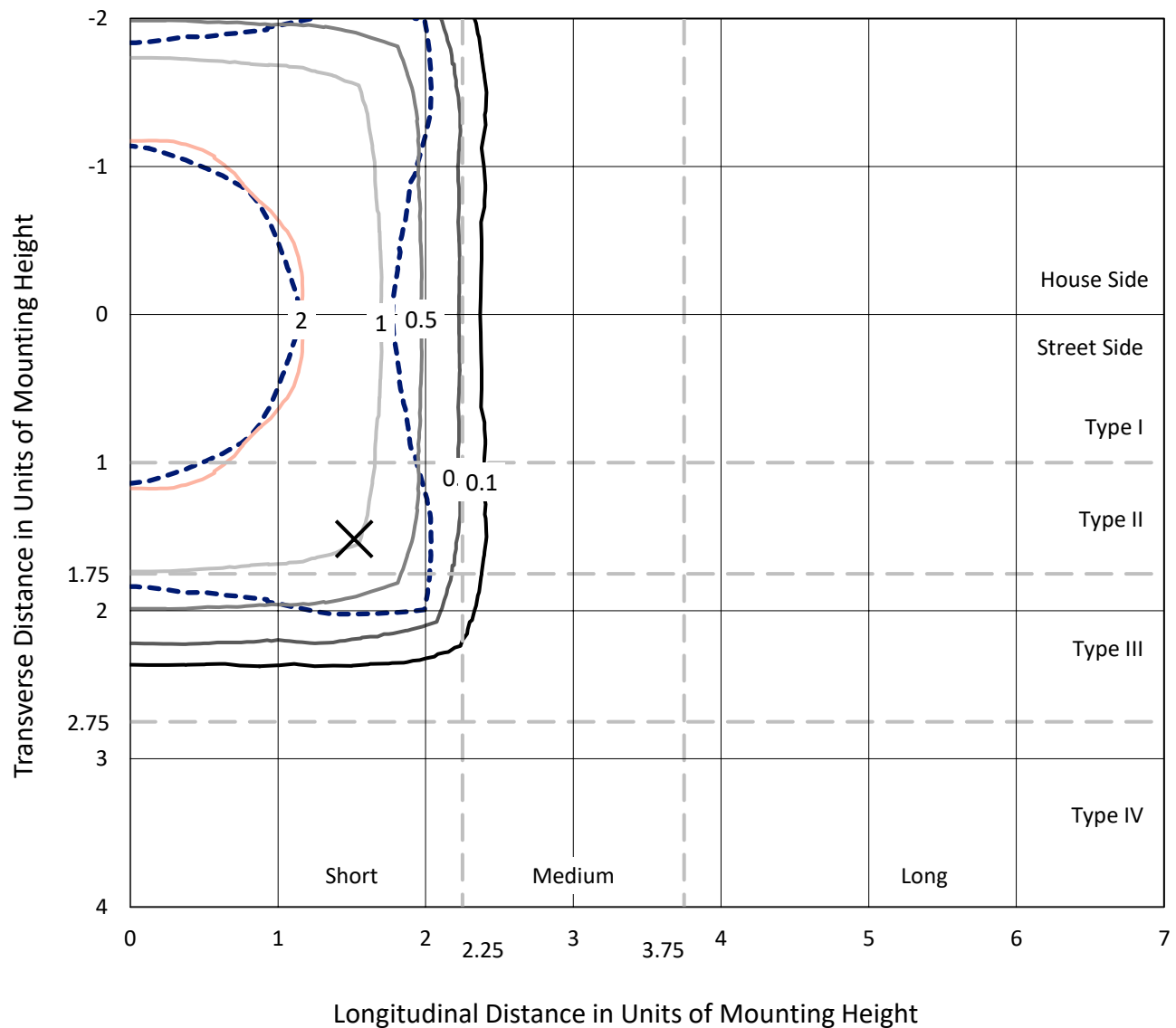
Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

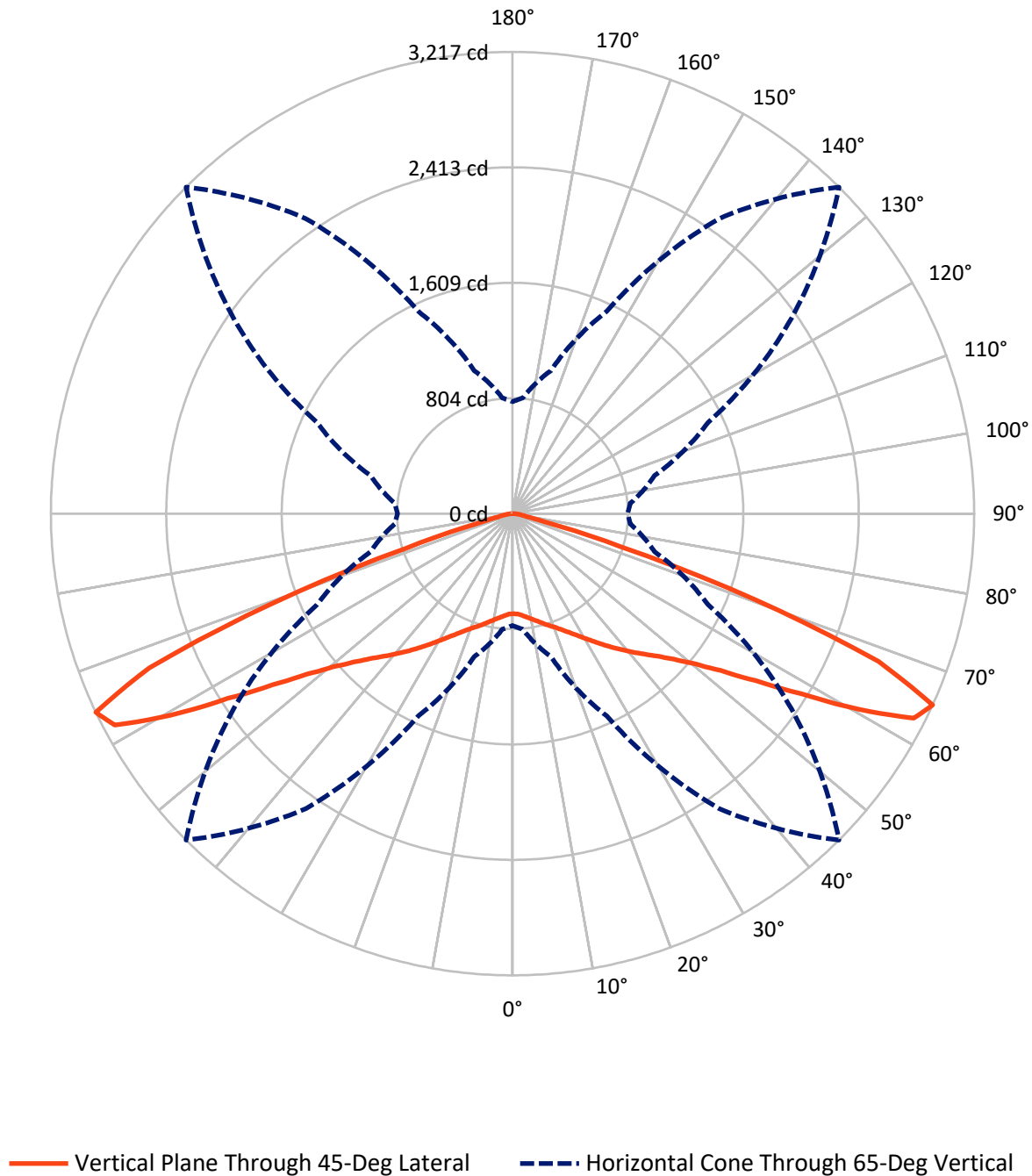
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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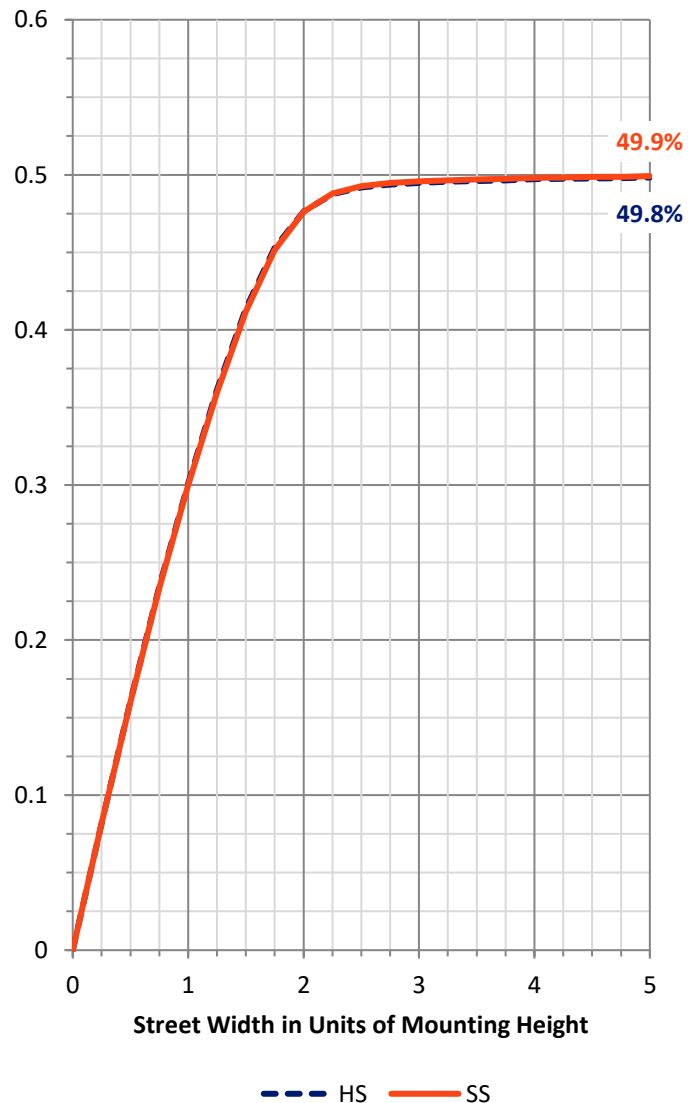
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3033.0	0.0	3033.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3033.0	0.0	3033.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6066.0	0.0	6066.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.1	1.1
10°-20°	225.5	3.7
20°-30°	427.7	7.1
30°-40°	717.3	11.8
40°-50°	1135.1	18.7
50°-60°	1783.2	29.4
60°-70°	1506.6	24.8
70°-80°	175.4	2.9
80°-90°	26.1	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°	6066.0	100.0
0°-180°	6066.0	100.0



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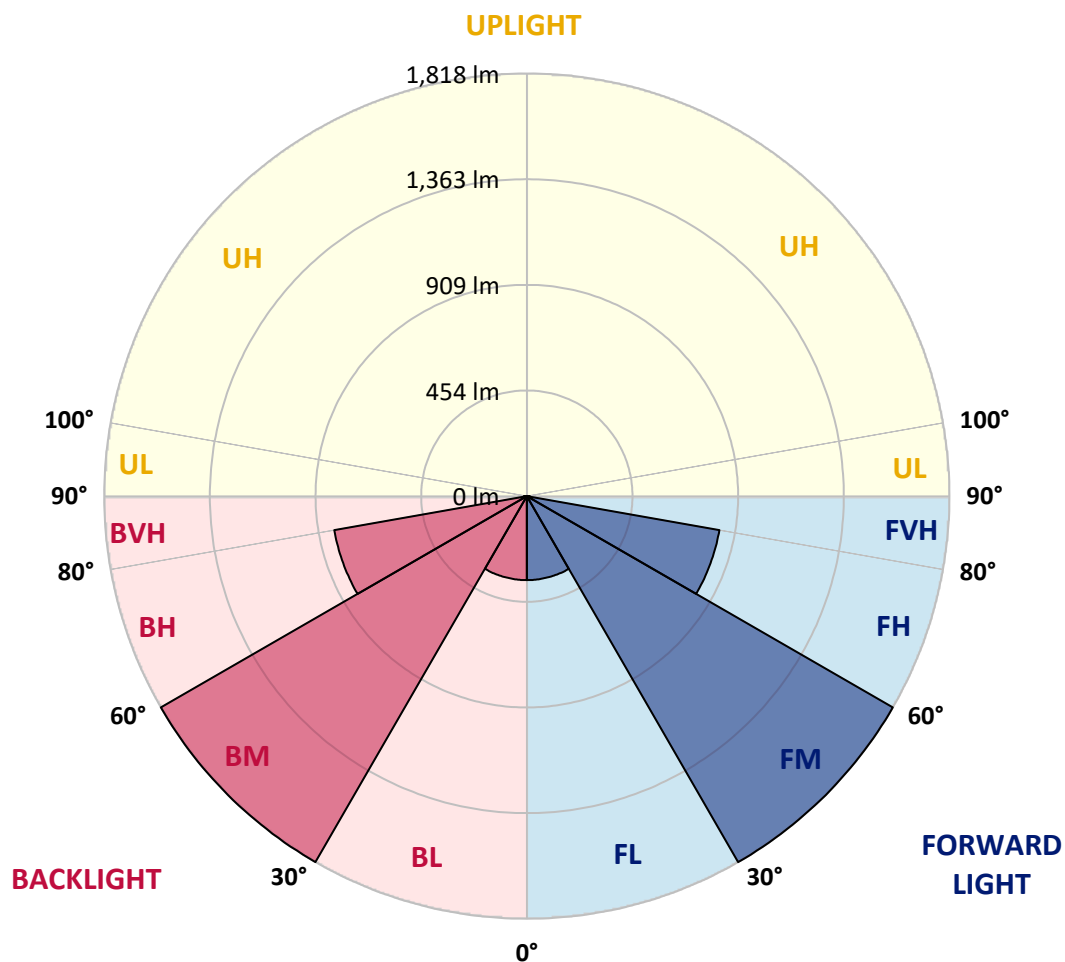
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	361.1	6.0			
FM	(30°-60°)	1817.8	30.0			
FH	(60°-80°)	841.0	13.9			G1/1800
FVH	(80°-90°)	13.1	0.2			G1/100
BL	(0°-30°)	361.1	6.0	B1/500		
BM	(30°-60°)	1817.8	30.0	B2/2500		
BH	(60°-80°)	841.0	13.9	B2/1000		G1/1800
BVH	(80°-90°)	13.1	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°	697.5	697.5	697.5	697.5	697.5	697.5	697.5	697.5	697.5	697.5	697.5
2.5°	701.3	699.2	701.3	701.3	700.0	700.5	698.8	698.3	700.5	698.8	698.3
5°	715.8	714.1	715.8	714.5	712.4	712.8	710.3	709.4	712.0	709.4	709.9
7.5°	732.4	729.5	730.3	731.6	729.5	729.5	727.3	726.1	727.3	724.8	726.5
10°	746.5	744.0	745.2	746.9	746.5	747.8	745.7	744.8	743.5	740.5	743.1
12.5°	764.8	764.0	765.7	767.8	767.0	768.7	764.0	762.7	762.3	758.9	761.9
15°	788.7	786.6	789.6	792.1	790.9	793.8	790.0	788.3	786.2	781.9	784.5
17.5°	812.6	810.9	815.2	816.4	816.9	819.4	816.4	813.9	813.0	810.0	808.3
20°	841.2	839.0	842.4	845.0	842.9	845.9	844.6	842.9	842.0	837.3	836.9
22.5°	873.1	870.2	875.3	878.3	875.3	878.3	875.7	875.3	875.7	868.9	869.7
25°	909.0	909.4	914.5	916.6	914.9	916.6	912.8	915.3	914.1	906.8	904.3
27.5°	955.0	953.3	958.8	965.2	961.0	961.0	959.3	961.8	961.4	954.6	952.9
30°	1008.7	1008.3	1016.4	1020.2	1014.3	1011.7	1011.3	1017.7	1018.1	1010.8	1007.9
32.5°	1065.0	1065.0	1074.8	1079.5	1071.0	1069.3	1067.5	1076.1	1074.8	1065.0	1058.6
35°	1126.8	1124.3	1137.5	1144.3	1135.8	1130.6	1129.8	1137.5	1135.8	1122.1	1114.4
37.5°	1187.8	1189.5	1204.8	1212.5	1202.3	1195.9	1198.0	1203.1	1203.6	1188.6	1180.5
40°	1262.4	1262.8	1282.0	1288.0	1274.7	1264.9	1267.9	1279.4	1278.6	1260.3	1250.0
42.5°	1345.9	1344.2	1368.1	1373.2	1355.3	1336.6	1345.5	1363.4	1367.7	1347.2	1336.6
45°	1435.5	1438.0	1462.8	1468.3	1440.2	1416.3	1435.5	1462.3	1467.9	1445.7	1432.5
47.5°	1544.2	1547.2	1577.0	1579.2	1547.2	1516.1	1541.6	1576.6	1578.7	1548.0	1532.7
50°	1668.3	1678.5	1711.7	1716.0	1684.5	1644.4	1681.0	1712.2	1704.1	1663.1	1649.1
52.5°	1808.9	1817.0	1869.1	1887.0	1859.3	1816.2	1845.6	1864.8	1838.8	1785.1	1763.3
55°	1928.8	1942.4	2011.5	2066.0	2086.9	2054.5	2051.1	2023.0	1950.5	1868.6	1846.0
57.5°	1962.4	1975.6	2082.7	2223.3	2347.4	2363.6	2288.6	2147.5	1991.4	1865.2	1842.2
60°	1825.6	1843.5	1999.9	2266.4	2622.4	2769.1	2497.9	2158.1	1885.3	1716.0	1687.0
62.5°	1433.8	1467.0	1669.1	2086.9	2733.2	3138.3	2584.0	1974.4	1565.1	1365.1	1326.8
65°	779.8	808.3	1031.3	1555.3	2508.6	3217.1	2373.0	1503.3	1023.6	822.8	801.9
67.5°	292.5	313.4	415.7	768.7	1773.6	2750.3	1801.3	860.8	464.7	333.4	304.0
70°	124.5	127.0	150.5	267.7	806.2	1789.3	922.2	292.5	155.2	125.3	121.9
72.5°	89.5	90.0	96.4	118.5	245.6	784.9	278.8	122.8	94.6	85.3	85.3
75°	71.6	72.1	75.9	85.7	116.0	231.1	120.2	86.1	73.3	66.9	66.1
77.5°	56.3	57.1	61.0	66.9	77.6	105.7	81.4	67.8	58.8	52.9	52.0
80°	41.8	43.1	48.2	51.2	54.6	70.3	59.3	52.9	46.9	40.5	39.2
82.5°	27.7	29.0	35.8	37.9	37.5	44.3	40.9	40.5	35.8	26.9	25.6
85°	16.6	17.5	23.0	24.7	23.0	21.7	26.0	28.1	25.2	17.5	16.2
87.5°	7.2	7.2	10.2	10.7	10.2	8.1	12.4	14.5	14.9	9.0	8.1
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)