

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: P672473

Luminaire Tested: **CCP-SA-2D-840-U-5WQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672473
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-840-U-5WQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ 5WQ distribution lens
Light Source: (32) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

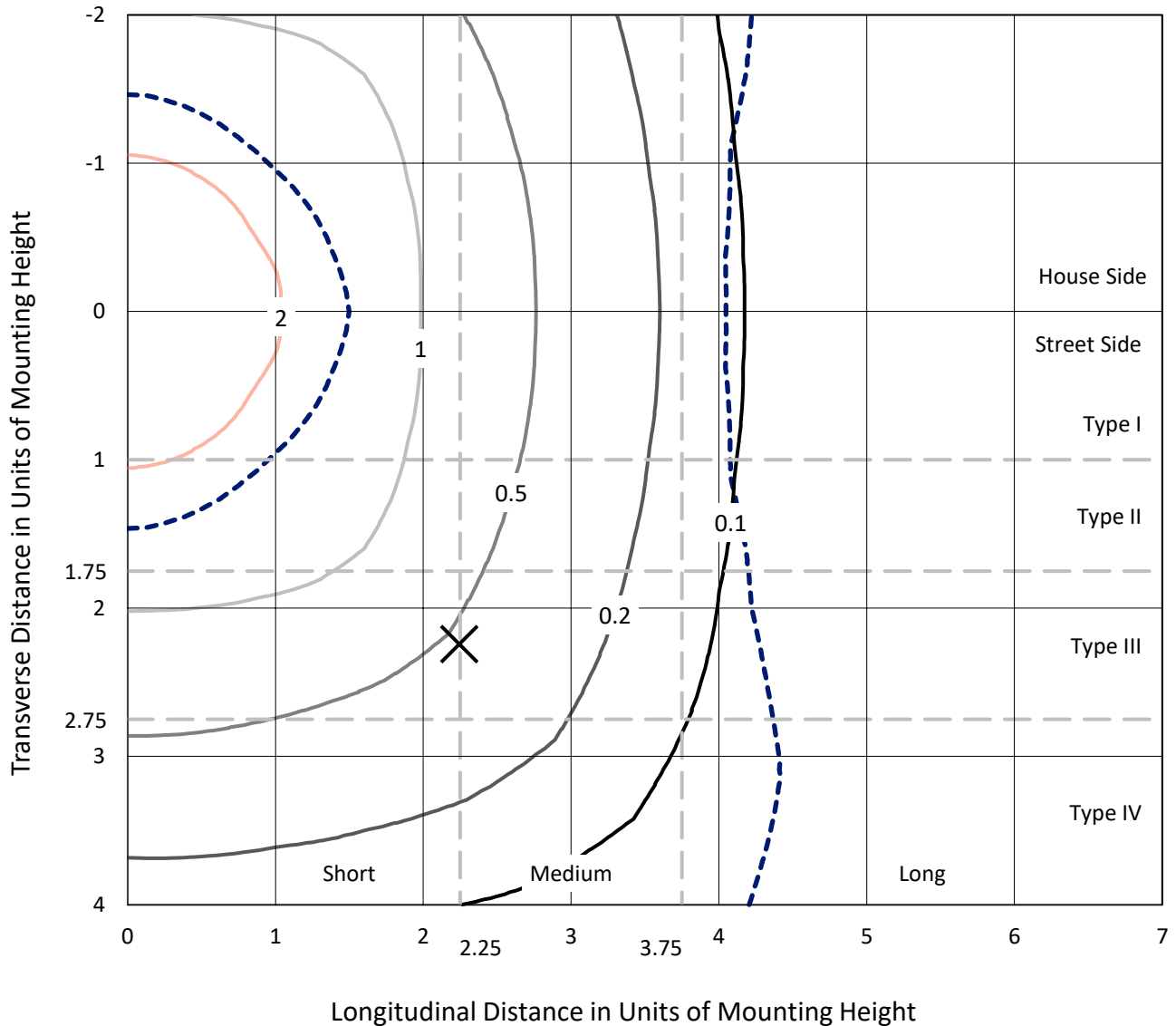
Lumens per Lamp: N/A
Luminaire Lumens: 9966.3 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 80.8
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

REPORT NUMBER: P672473
 CATALOG NUMBER: CCP-SA-2D-840-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

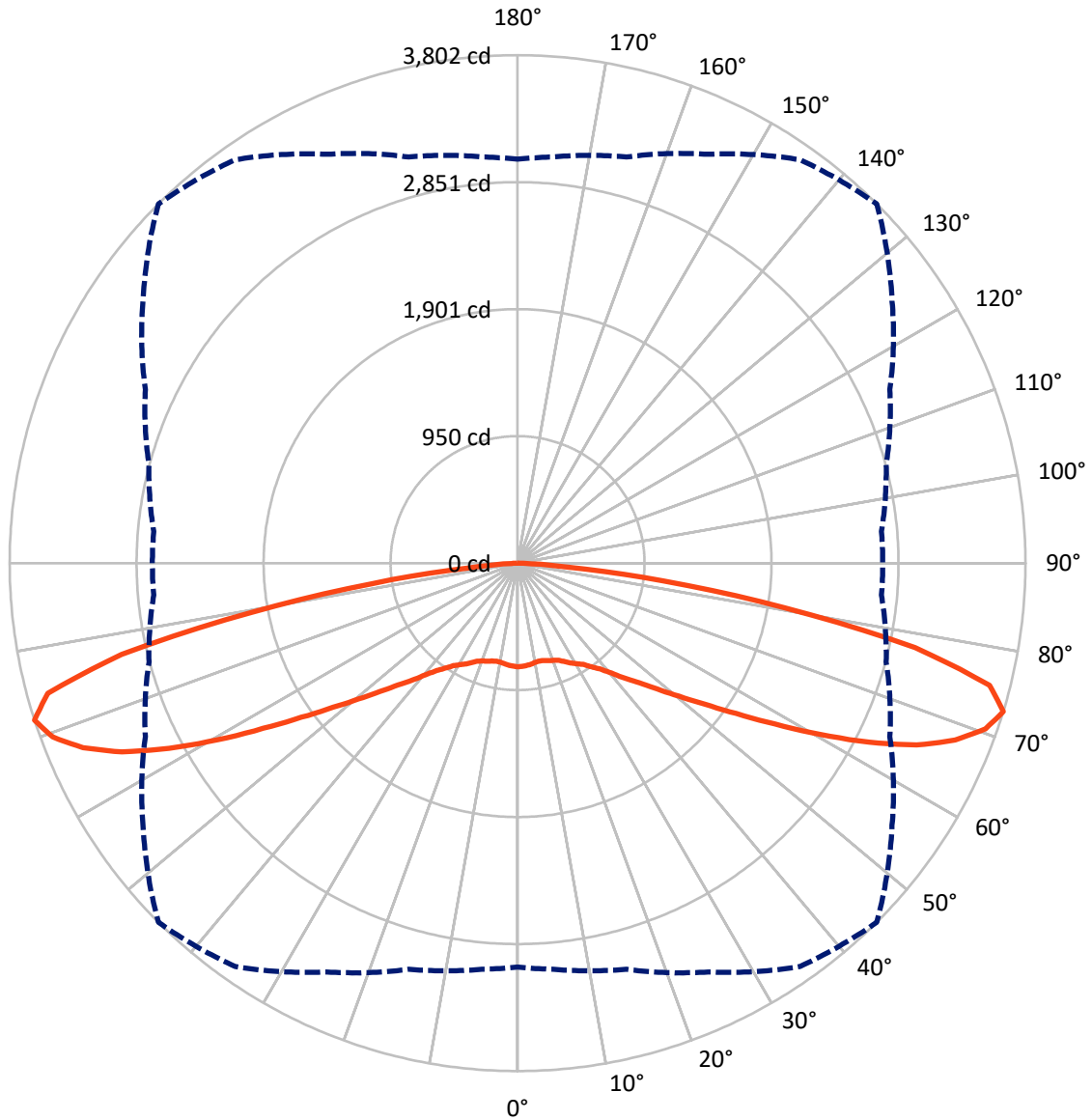
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.4 fc
 Type V - Short - N/A

REPORT NUMBER: P672473
CATALOG NUMBER: CCP-SA-2D-840-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P672473

CATALOG NUMBER: CCP-SA-2D-840-U-5WQ

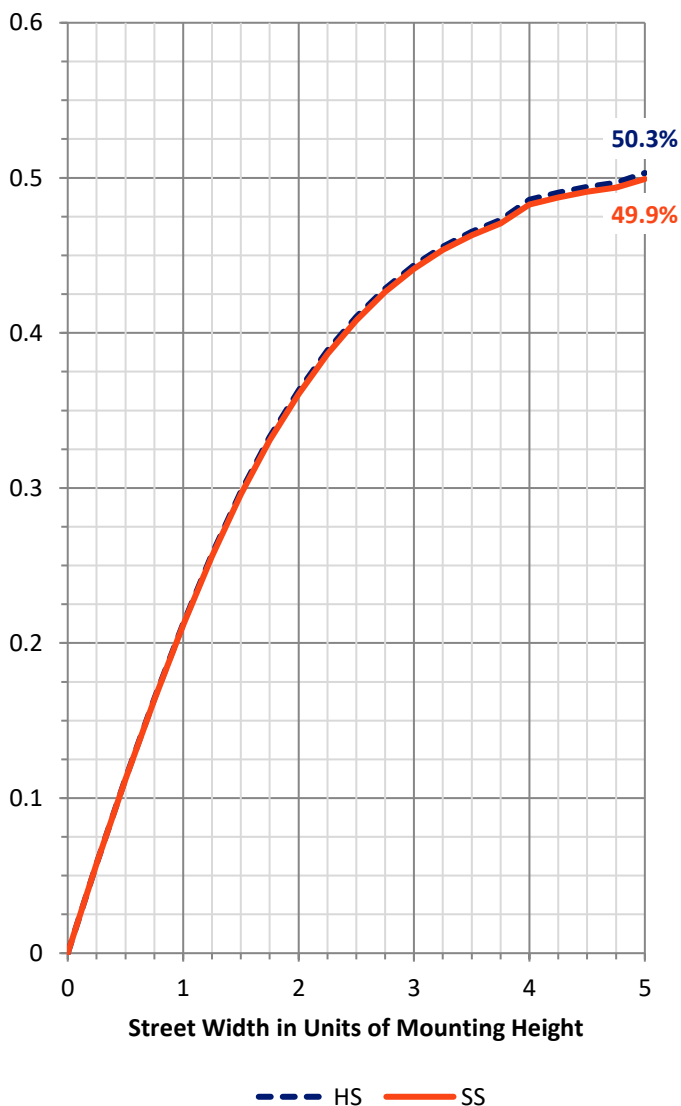
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4983.1	0.0	4983.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4983.1	0.0	4983.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	9966.3	0.0	9966.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.9	0.7
10°-20°	216.5	2.2
20°-30°	380.2	3.8
30°-40°	606.7	6.1
40°-50°	1014.4	10.2
50°-60°	1735.9	17.4
60°-70°	2865.6	28.8
70°-80°	2746.6	27.6
80°-90°	327.6	3.3
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°	9966.3	100.0
0°-180°	9966.3	100.0



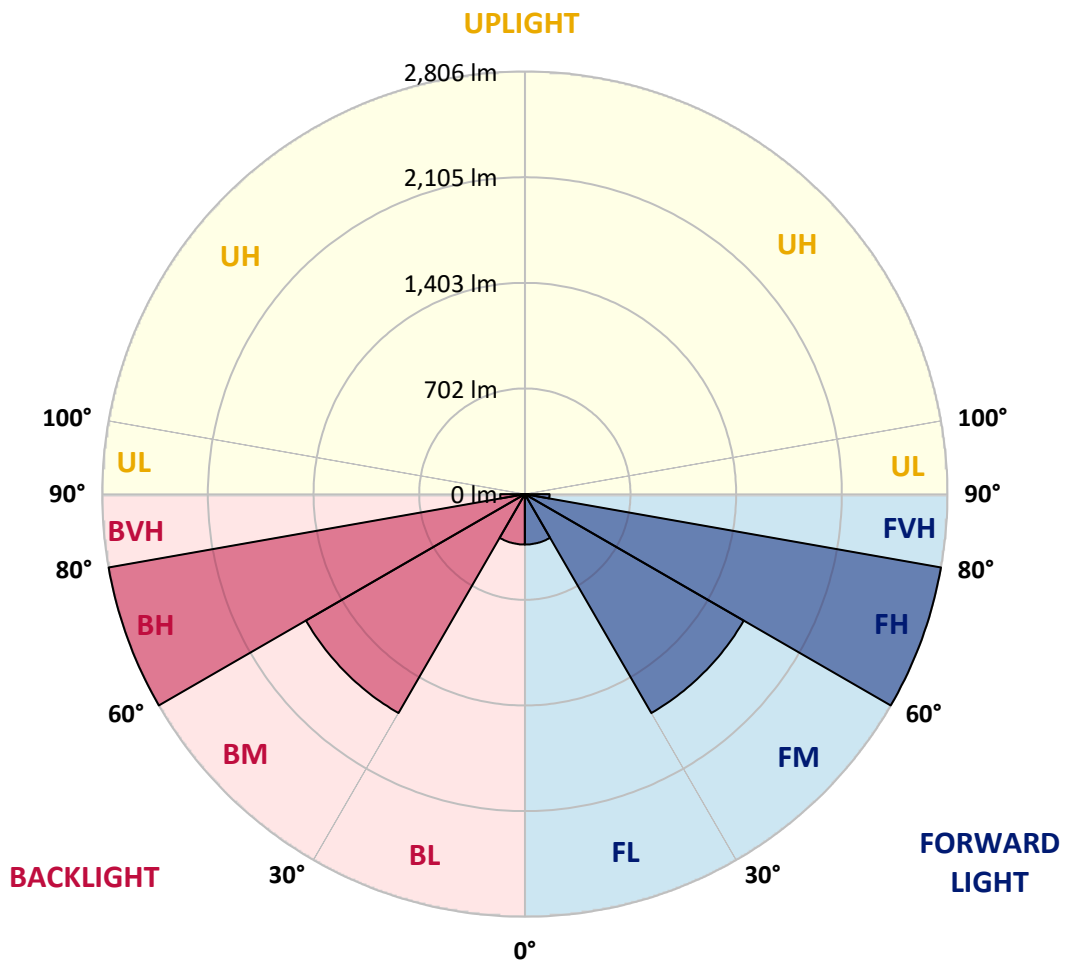
REPORT NUMBER: P672473
 CATALOG NUMBER: CCP-SA-2D-840-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	334.8	3.4			
FM (30°-60°)	1678.5	16.8			
FH (60°-80°)	2806.1	28.2			G2/5000
FVH (80°-90°)	163.8	1.6			G2/225
BL (0°-30°)	334.8	3.4	B1/500		
BM (30°-60°)	1678.5	16.8	B2/2500		
BH (60°-80°)	2806.1	28.2	B4/5000		G2/5000
BVH (80°-90°)	163.8	1.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





REPORT NUMBER: P672473
 CATALOG NUMBER: CCP-SA-2D-840-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	776.1	776.1	776.1	776.1	776.1	776.1	776.1	776.1	776.1	776.1	776.1
2.5°	771.2	771.2	773.3	774.0	773.3	772.6	771.9	771.2	773.3	772.6	773.3
5°	769.1	769.1	769.8	770.5	769.1	768.4	767.0	766.4	767.7	767.7	769.1
7.5°	763.6	762.9	763.6	764.3	762.2	761.5	759.4	759.4	759.4	758.7	760.1
10°	758.7	757.3	757.3	755.9	752.4	753.1	750.4	752.4	755.9	756.6	757.3
12.5°	760.8	759.4	758.0	754.5	749.7	750.4	749.7	751.7	756.6	759.4	761.5
15°	770.5	769.1	765.7	759.4	756.6	756.6	755.2	755.9	762.9	767.0	769.1
17.5°	781.0	778.2	771.9	767.7	765.0	767.0	762.2	761.5	767.0	773.3	775.4
20°	789.3	787.2	779.6	774.7	774.7	776.8	771.9	769.1	775.4	783.0	785.1
22.5°	803.9	802.5	794.9	790.0	790.0	790.7	787.9	785.8	792.8	800.4	802.5
25°	824.8	824.8	817.1	815.0	814.3	815.7	812.3	810.2	816.4	822.0	824.1
27.5°	849.1	847.0	840.8	839.4	842.2	847.0	840.8	835.2	840.1	844.9	845.6
30°	874.8	874.8	869.3	869.3	871.4	873.4	867.9	862.3	867.2	872.8	873.4
32.5°	911.0	908.9	906.8	907.5	906.8	904.0	901.3	900.6	904.7	908.2	909.6
35°	955.5	954.8	952.0	953.4	953.4	953.4	945.1	942.3	949.2	952.0	950.6
37.5°	1024.4	1023.7	1016.7	1012.5	1007.7	1005.6	995.1	994.5	1011.1	1019.5	1018.1
40°	1108.5	1105.7	1099.5	1092.5	1086.2	1082.1	1071.6	1079.3	1096.7	1102.9	1102.9
42.5°	1200.3	1196.8	1189.9	1186.4	1182.2	1178.0	1164.1	1167.6	1188.5	1194.7	1187.8
45°	1313.0	1308.1	1300.4	1292.8	1286.5	1278.2	1271.2	1274.7	1297.0	1304.6	1299.0
47.5°	1432.6	1431.2	1424.9	1418.7	1413.1	1407.5	1398.5	1404.7	1424.2	1422.8	1411.7
50°	1559.1	1561.9	1562.6	1568.9	1564.7	1565.4	1548.7	1545.2	1560.5	1551.5	1537.6
52.5°	1695.4	1699.6	1714.2	1726.7	1749.7	1752.5	1731.6	1709.3	1706.6	1682.9	1668.3
55°	1853.3	1852.6	1884.6	1919.4	1970.1	1986.1	1939.5	1897.8	1874.9	1829.0	1813.7
57.5°	2032.0	2029.9	2078.6	2139.8	2231.6	2271.2	2185.7	2106.4	2050.8	1995.9	1979.9
60°	2226.0	2230.9	2290.0	2389.5	2548.0	2603.0	2473.6	2342.2	2257.3	2185.7	2179.4
62.5°	2452.7	2453.4	2523.0	2657.9	2863.7	2952.1	2774.0	2596.0	2488.2	2409.6	2392.9
65°	2720.5	2725.4	2799.8	2936.1	3172.5	3281.7	3076.5	2859.6	2732.3	2625.9	2623.8
67.5°	2995.2	2992.4	3060.5	3205.2	3433.3	3534.1	3319.2	3077.2	2911.7	2778.9	2761.5
70°	3171.1	3186.4	3260.1	3398.5	3616.9	3714.9	3453.5	3161.4	2988.2	2866.5	2858.2
72.5°	3023.0	3051.5	3146.8	3376.3	3685.7	3801.9	3421.5	3074.5	2856.1	2733.7	2733.7
75°	2454.1	2501.4	2634.3	2987.5	3447.9	3648.9	3167.6	2690.6	2372.8	2242.0	2242.0
77.5°	1495.2	1540.4	1719.8	2150.9	2784.5	3041.8	2582.1	2026.5	1658.6	1498.6	1477.8
80°	497.2	526.4	702.4	1093.2	1709.3	2024.4	1730.2	1150.9	742.7	566.1	563.3
82.5°	132.1	144.0	200.3	317.1	742.0	1096.7	791.4	379.7	217.7	169.0	155.8
85°	45.9	49.4	84.8	105.7	188.5	363.0	220.4	137.7	105.7	64.0	59.8
87.5°	13.2	14.6	34.1	36.9	54.2	42.4	59.8	54.9	50.1	20.9	18.8
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)