

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: P672485

Luminaire Tested: **CCP-SA-2E-850-U-5WQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672485
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-850-U-5WQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5WQ distribution lens
Light Source: (32) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

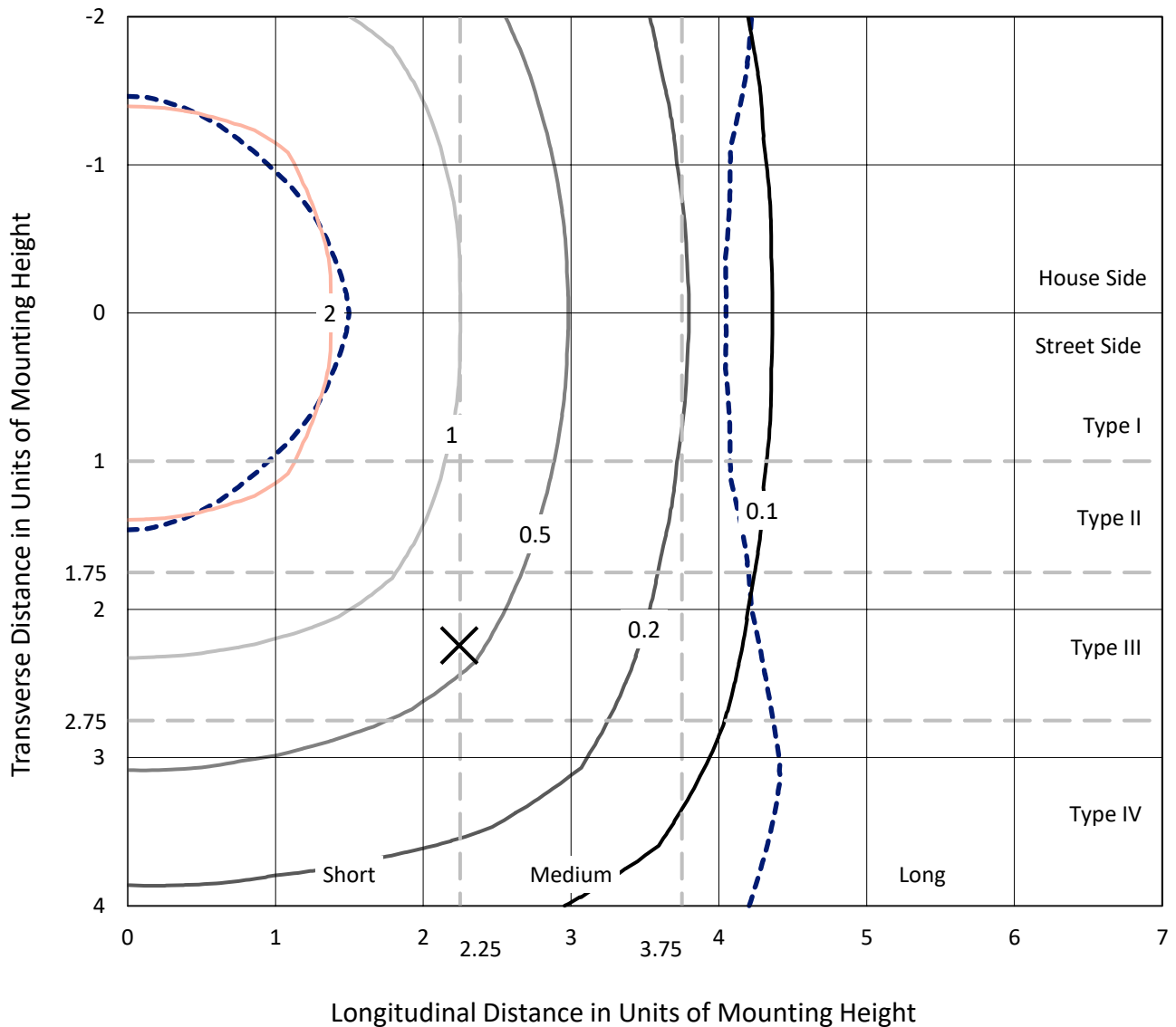
Lumens per Lamp: N/A
Luminaire Lumens: 12505.1 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 106.6
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

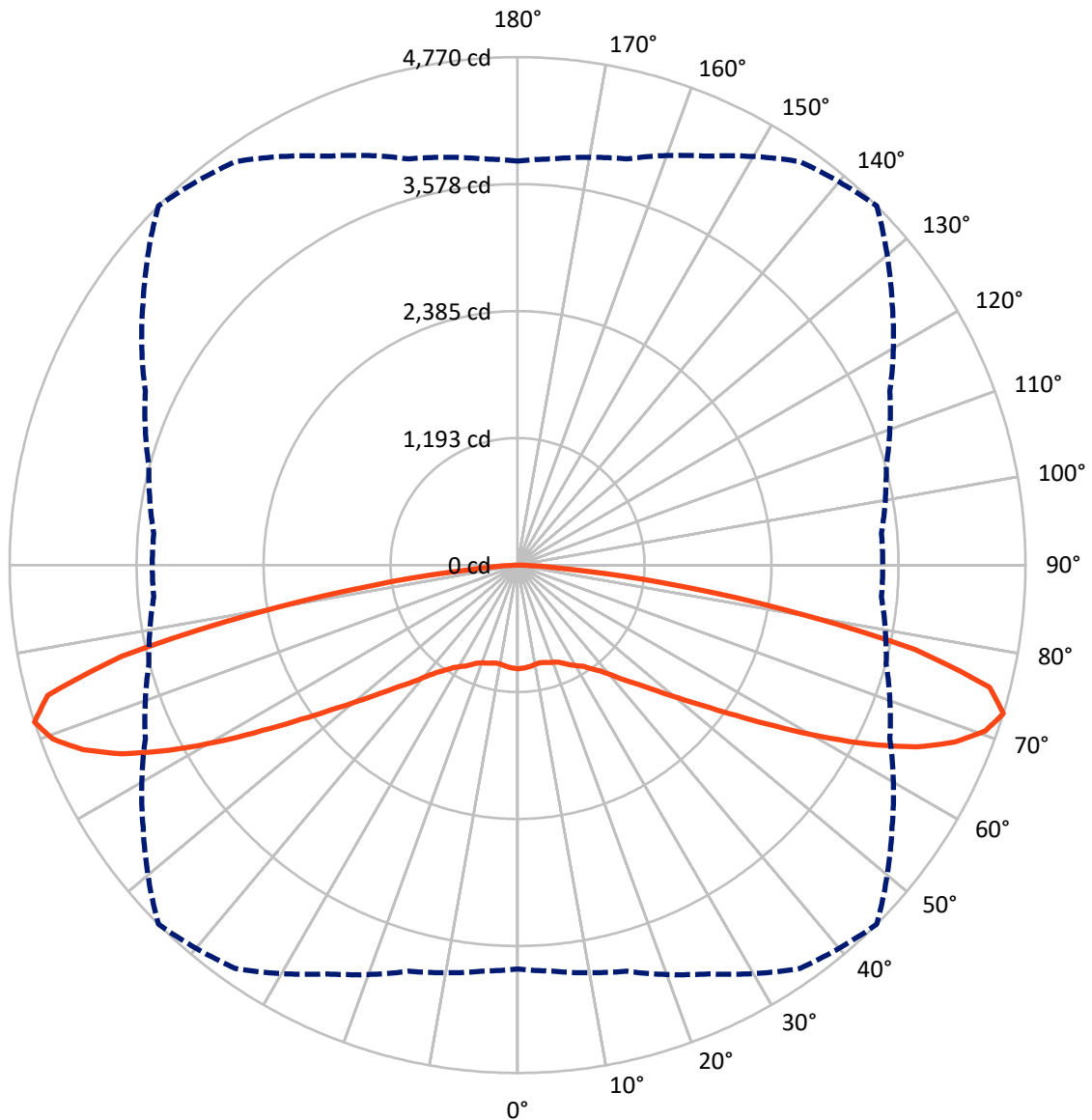
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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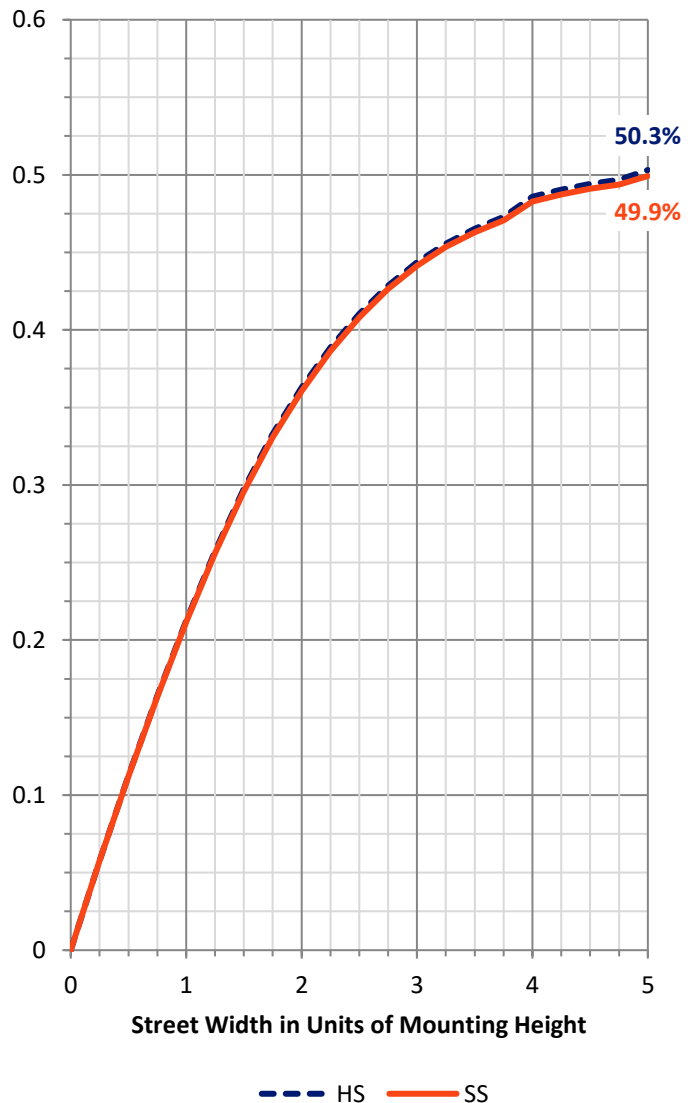
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6252.5	0.0	6252.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6252.5	0.0	6252.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12505.1	0.0	12505.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.4	0.7
10°-20°	271.6	2.2
20°-30°	477.1	3.8
30°-40°	761.2	6.1
40°-50°	1272.8	10.2
50°-60°	2178.0	17.4
60°-70°	3595.6	28.8
70°-80°	3446.2	27.6
80°-90°	411.0	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°	12505.1	100.0
0°-180°	12505.1	100.0

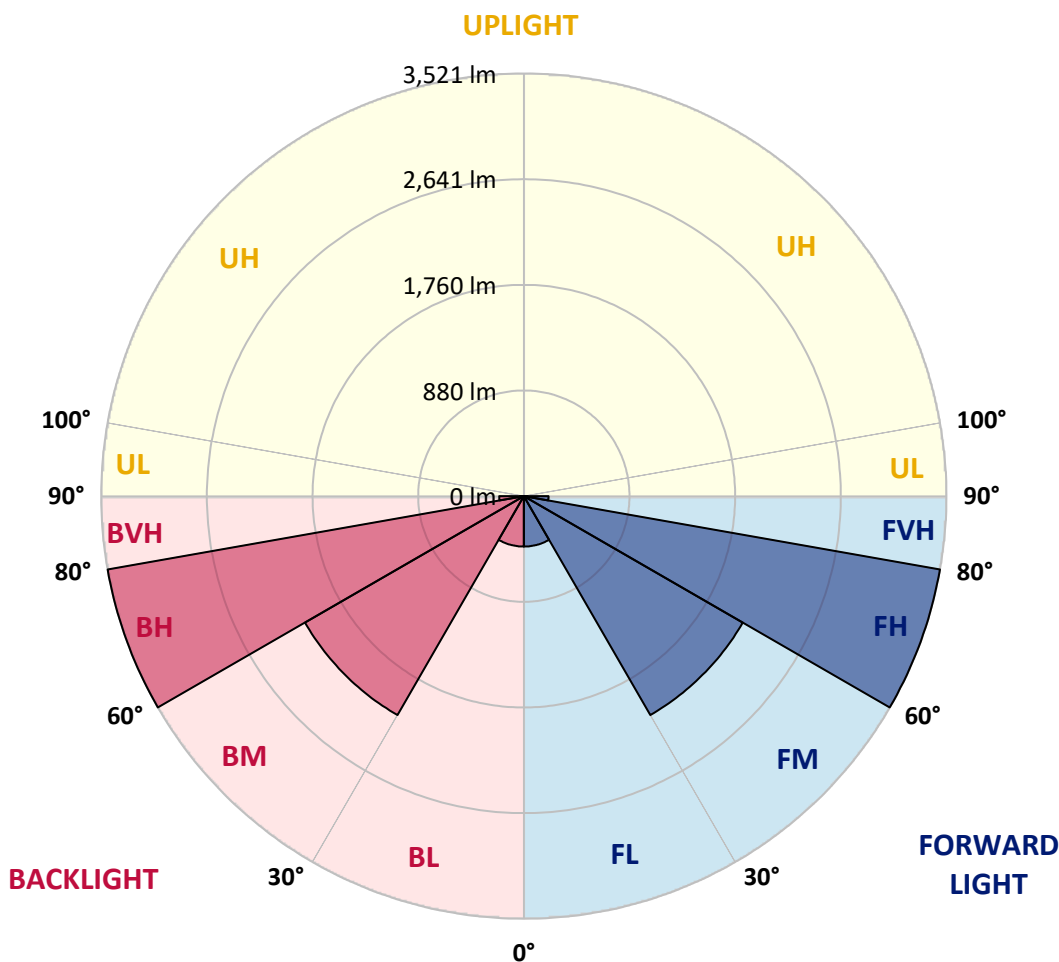


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	420.1	3.4			
FM (30°-60°)	2106.0	16.8			
FH (60°-80°)	3520.9	28.2			G2/5000
FVH (80°-90°)	205.5	1.6			G2/225
BL (0°-30°)	420.1	3.4	B1/500		
BM (30°-60°)	2106.0	16.8	B2/2500		
BH (60°-80°)	3520.9	28.2	B4/5000		G2/5000
BVH (80°-90°)	205.5	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	973.8	973.8	973.8	973.8	973.8	973.8	973.8	973.8	973.8	973.8	973.8
2.5°	967.7	967.7	970.3	971.2	970.3	969.4	968.6	967.7	970.3	969.4	970.3
5°	965.1	965.1	965.9	966.8	965.1	964.2	962.4	961.6	963.3	963.3	965.1
7.5°	958.1	957.2	958.1	959.0	956.3	955.5	952.8	952.8	952.8	952.0	953.7
10°	952.0	950.2	950.2	948.5	944.1	945.0	941.5	944.1	948.5	949.4	950.2
12.5°	954.6	952.8	951.1	946.7	940.6	941.5	940.6	943.2	949.4	952.8	955.5
15°	966.8	965.1	960.7	952.8	949.4	949.4	947.6	948.5	957.2	962.4	965.1
17.5°	979.9	976.4	968.6	963.3	959.8	962.4	956.3	955.5	962.4	970.3	972.9
20°	990.4	987.7	978.2	972.0	972.0	974.7	968.6	965.1	972.9	982.5	985.1
22.5°	1008.7	1006.9	997.3	991.2	991.2	992.1	988.6	986.0	994.7	1004.3	1006.9
25°	1034.9	1034.9	1025.3	1022.7	1021.8	1023.5	1019.2	1016.5	1024.4	1031.4	1034.0
27.5°	1065.4	1062.8	1054.9	1053.2	1056.7	1062.8	1054.9	1048.0	1054.1	1060.2	1061.0
30°	1097.7	1097.7	1090.7	1090.7	1093.3	1095.9	1089.0	1082.0	1088.1	1095.1	1095.9
32.5°	1143.1	1140.4	1137.8	1138.7	1137.8	1134.3	1130.8	1130.0	1135.2	1139.6	1141.3
35°	1198.9	1198.0	1194.5	1196.3	1196.3	1196.3	1185.8	1182.3	1191.1	1194.5	1192.8
37.5°	1285.3	1284.4	1275.7	1270.5	1264.4	1261.7	1248.6	1247.8	1268.7	1279.2	1277.4
40°	1390.9	1387.4	1379.5	1370.8	1363.0	1357.7	1344.6	1354.2	1376.0	1383.9	1383.9
42.5°	1506.1	1501.7	1493.0	1488.6	1483.4	1478.1	1460.7	1465.0	1491.2	1499.1	1490.3
45°	1647.4	1641.3	1631.7	1622.1	1614.3	1603.8	1595.1	1599.4	1627.3	1636.9	1630.0
47.5°	1797.5	1795.7	1787.9	1780.0	1773.1	1766.1	1754.7	1762.6	1787.0	1785.3	1771.3
50°	1956.3	1959.8	1960.7	1968.5	1963.3	1964.2	1943.2	1938.8	1958.0	1946.7	1929.3
52.5°	2127.3	2132.6	2150.9	2166.6	2195.4	2198.9	2172.7	2144.8	2141.3	2111.6	2093.3
55°	2325.4	2324.5	2364.7	2408.3	2472.0	2492.1	2433.6	2381.2	2352.4	2294.9	2275.7
57.5°	2549.6	2547.0	2608.1	2684.9	2800.1	2849.8	2742.5	2643.0	2573.2	2504.3	2484.2
60°	2793.1	2799.2	2873.4	2998.1	3197.1	3266.0	3103.7	2938.8	2832.4	2742.5	2734.6
62.5°	3077.6	3078.4	3165.7	3335.0	3593.2	3704.1	3480.7	3257.3	3122.1	3023.5	3002.5
65°	3413.5	3419.6	3513.0	3684.0	3980.7	4117.7	3860.2	3588.0	3428.3	3294.8	3292.2
67.5°	3758.2	3754.7	3840.2	4021.7	4307.9	4434.4	4164.8	3861.1	3653.4	3486.8	3465.0
70°	3978.9	3998.1	4090.6	4264.2	4538.2	4661.3	4333.2	3966.7	3749.4	3596.7	3586.3
72.5°	3793.1	3828.8	3948.4	4236.3	4624.6	4770.3	4293.0	3857.6	3583.6	3430.1	3430.1
75°	3079.3	3138.6	3305.3	3748.6	4326.2	4578.4	3974.6	3376.0	2977.2	2813.2	2813.2
77.5°	1876.0	1932.7	2157.9	2698.9	3493.8	3816.6	3239.9	2542.7	2081.1	1880.4	1854.2
80°	623.9	660.5	881.3	1371.7	2144.8	2540.0	2171.0	1444.1	931.9	710.3	706.8
82.5°	165.8	180.6	251.3	397.9	931.0	1376.0	993.0	476.4	273.1	212.0	195.5
85°	57.6	62.0	106.5	132.6	236.5	455.5	276.6	172.8	132.6	80.3	75.0
87.5°	16.6	18.3	42.8	46.2	68.1	53.2	75.0	68.9	62.8	26.2	23.6
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)