

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: P672910

Luminaire Tested: **CCP-SA-1D-850-U-RW**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672910
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-850-U-RW
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ RW distribution lens
Light Source: (16) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

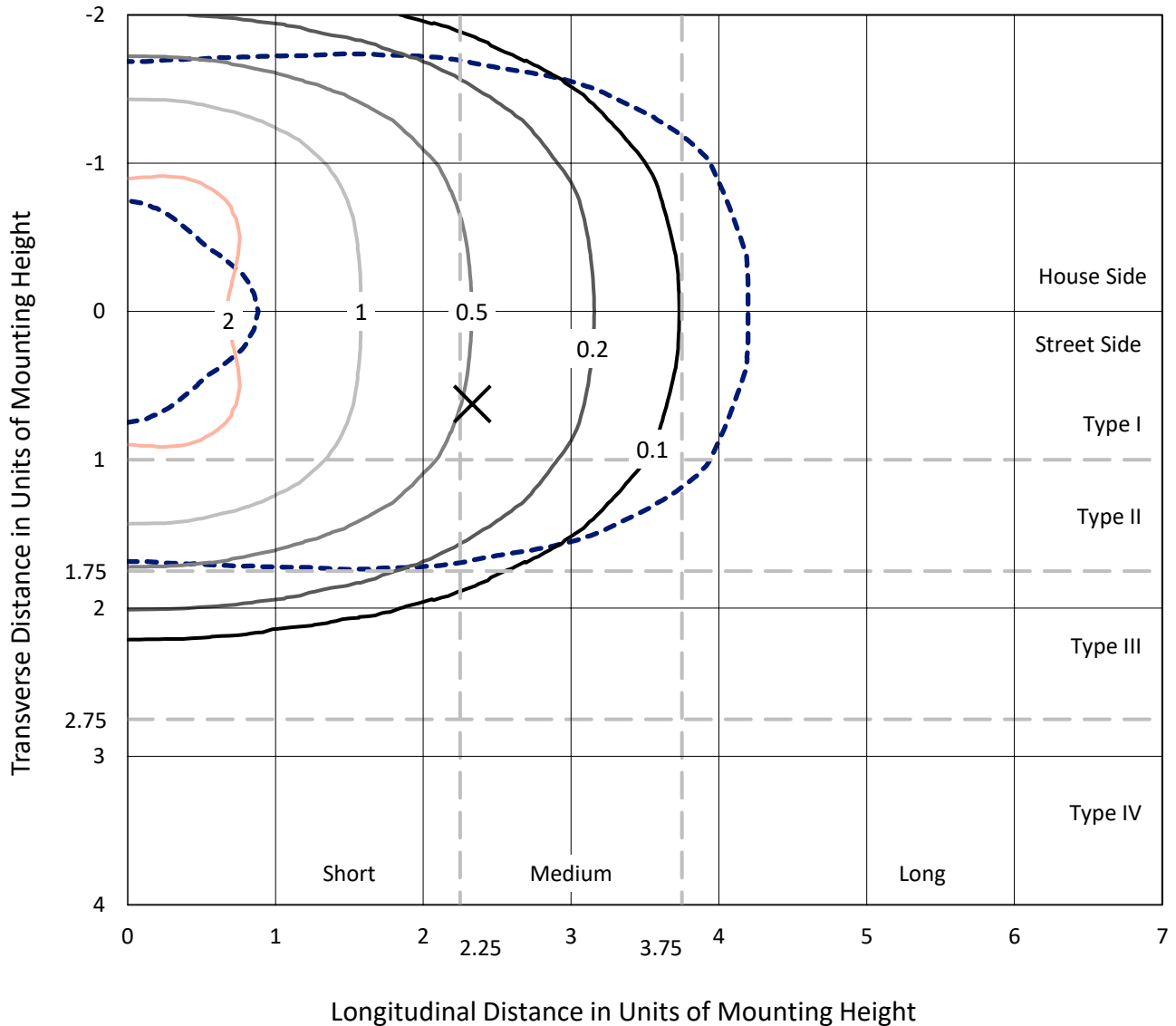
Lumens per Lamp: N/A
Luminaire Lumens: 4950.3 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 44
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

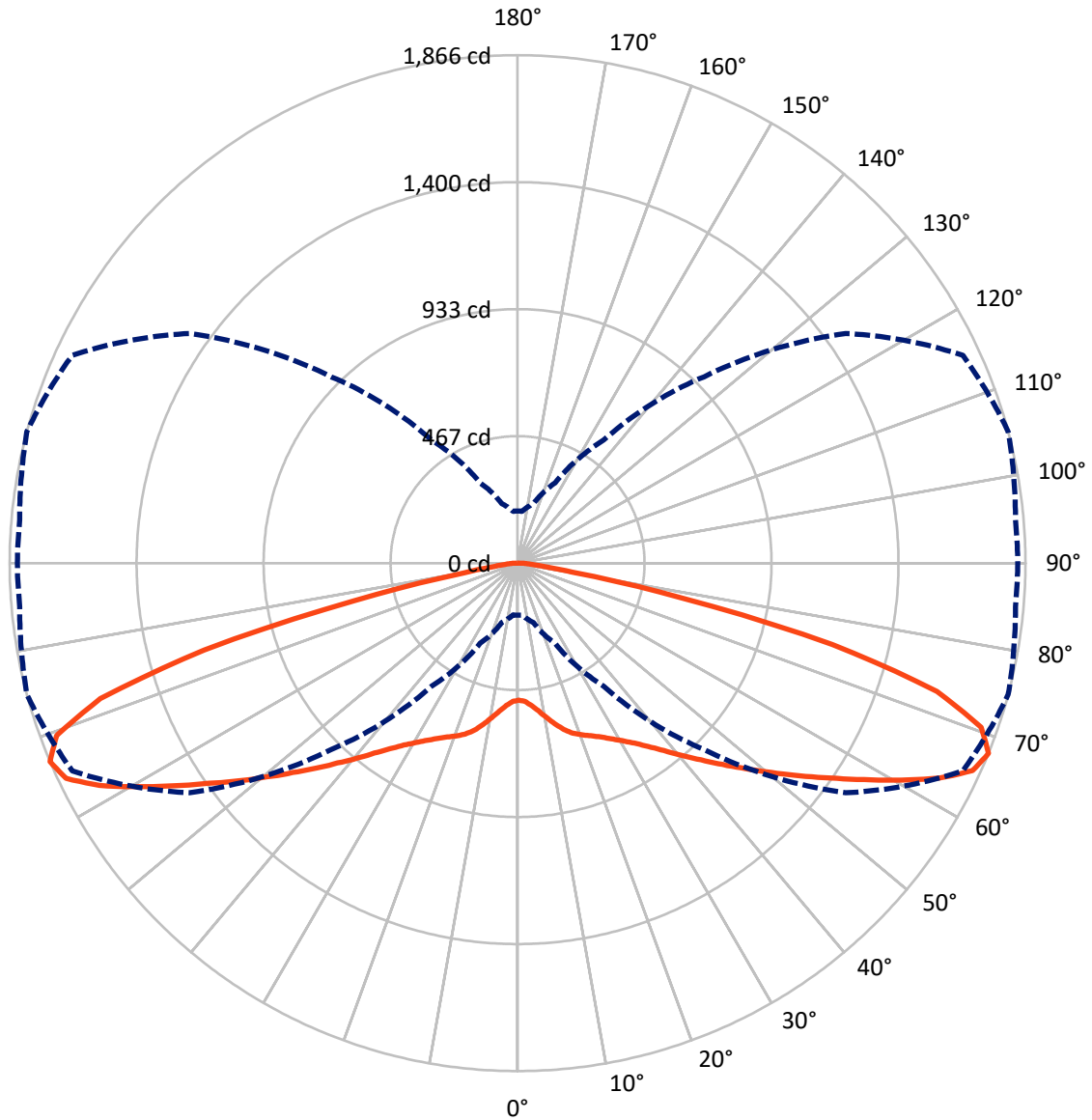
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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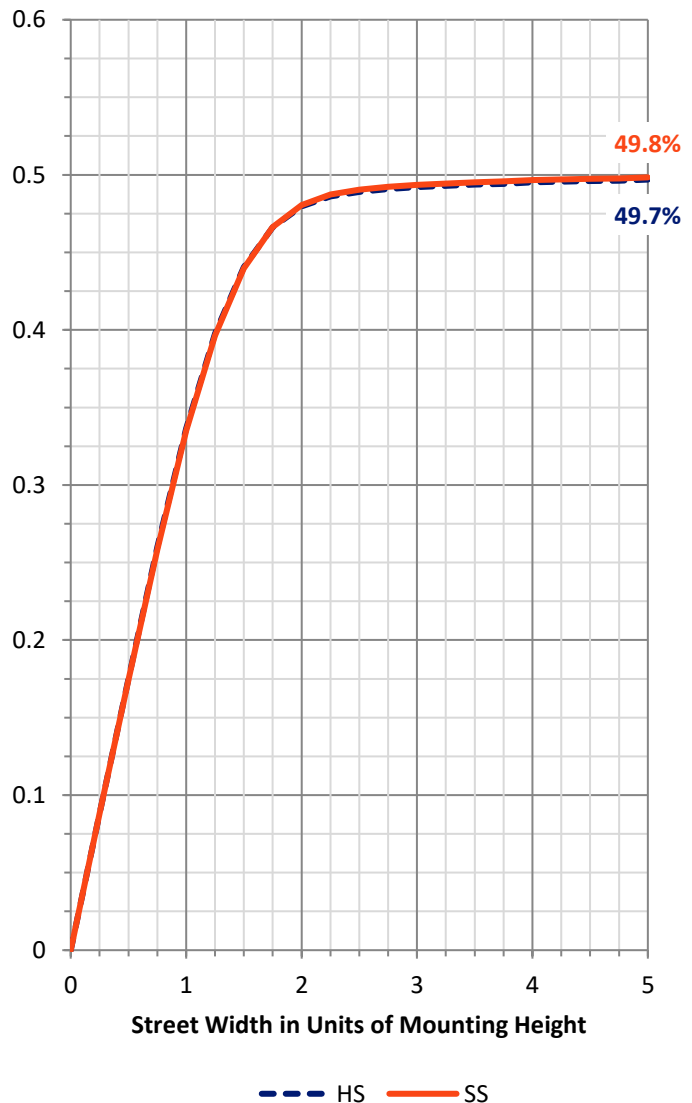
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2475.1	0.0	2475.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2475.1	0.0	2475.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	4950.3	0.0	4950.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.8	1.0
10°-20°	167.9	3.4
20°-30°	327.9	6.6
30°-40°	565.7	11.4
40°-50°	916.3	18.5
50°-60°	1246.1	25.2
60°-70°	1149.6	23.2
70°-80°	481.0	9.7
80°-90°	45.9	0.9
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°	4950.3	100.0
0°-180°	4950.3	100.0



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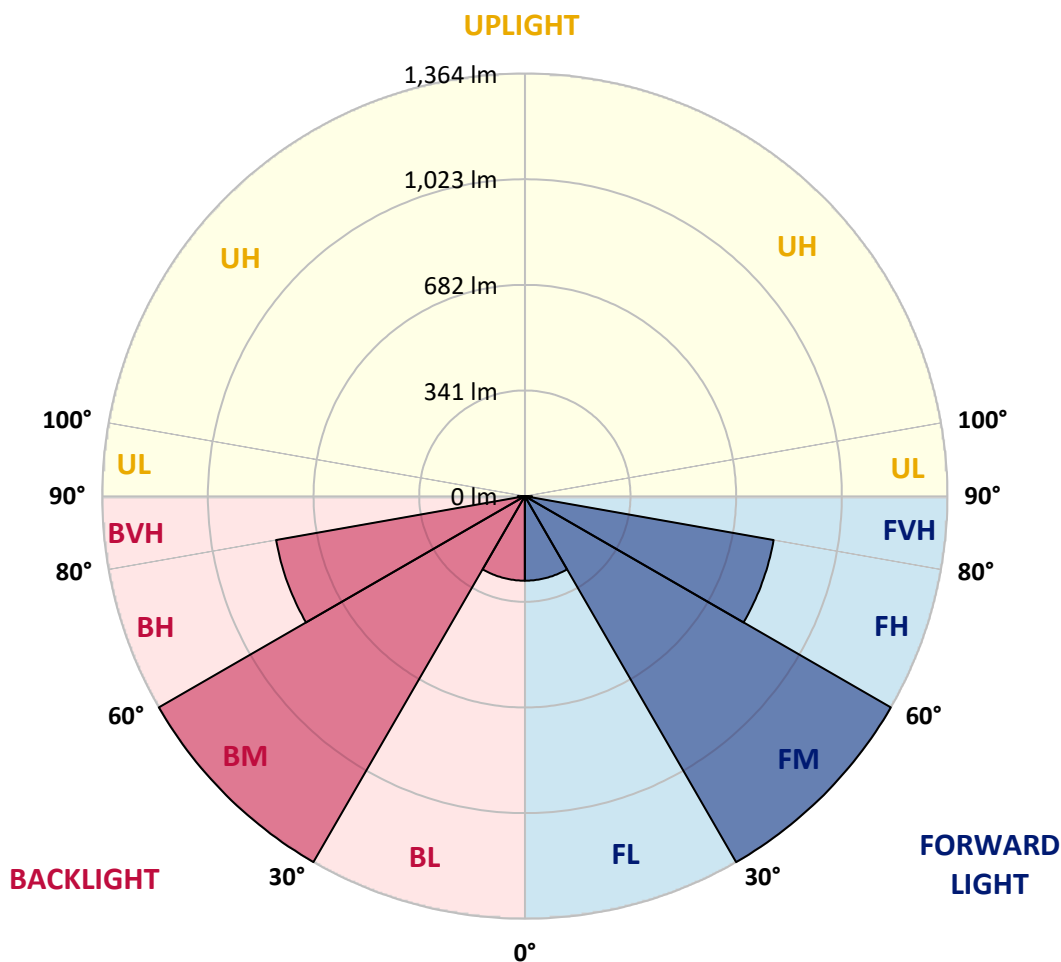
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	272.8	5.5			
FM (30°-60°)	1364.0	27.6			
FH (60°-80°)	815.3	16.5			G1/1800
FVH (80°-90°)	23.0	0.5			G1/100
BL (0°-30°)	272.8	5.5	B1/500		
BM (30°-60°)	1364.0	27.6	B2/2500		
BH (60°-80°)	815.3	16.5	B2/1000		G2/1000
BVH (80°-90°)	23.0	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	503.6	503.6	503.6	503.6	503.6	503.6	503.6	503.6	503.6	503.6	503.6
2.5°	500.4	500.4	501.8	503.6	504.3	505.8	506.1	506.1	508.2	507.9	508.2
5°	499.0	499.0	501.5	504.7	508.2	512.5	516.8	519.3	524.6	525.7	526.0
7.5°	500.4	500.8	504.3	509.7	515.7	523.5	531.7	538.5	547.4	550.6	552.7
10°	505.8	506.1	510.7	518.2	527.5	538.9	550.6	561.3	575.5	581.9	583.0
12.5°	513.9	514.3	521.1	533.2	546.3	560.6	573.7	587.3	605.1	614.7	616.8
15°	526.4	525.3	536.0	553.8	572.3	590.1	601.8	615.0	633.9	646.3	649.5
17.5°	543.5	544.2	557.4	580.1	602.9	621.1	632.8	640.3	656.7	669.5	672.7
20°	564.8	568.0	584.8	611.1	637.8	657.0	665.2	664.1	673.4	684.4	686.9
22.5°	595.1	597.2	617.5	647.0	677.7	697.6	700.8	689.0	688.7	695.8	699.0
25°	630.7	632.5	653.8	688.0	720.4	741.4	738.2	717.9	707.2	707.6	709.7
27.5°	672.3	675.9	697.9	732.8	766.3	785.5	780.9	751.3	730.3	723.9	722.5
30°	726.4	730.3	752.8	786.2	815.8	832.8	825.7	788.3	757.0	746.3	744.2
32.5°	796.9	796.5	819.7	852.1	872.7	883.7	869.9	827.5	788.0	773.8	770.9
35°	869.5	873.1	895.8	927.2	942.8	943.5	921.5	873.8	826.8	802.2	796.9
37.5°	951.4	953.1	979.5	1009.0	1019.3	1013.6	980.9	927.9	873.8	847.8	838.5
40°	1035.3	1037.1	1067.7	1096.2	1107.6	1094.1	1051.0	987.7	929.3	900.8	895.5
42.5°	1113.3	1117.9	1152.1	1185.5	1196.6	1180.9	1129.0	1053.1	988.0	960.6	953.5
45°	1178.1	1183.1	1221.5	1264.2	1283.8	1271.0	1212.2	1126.8	1055.6	1026.1	1014.0
47.5°	1226.8	1233.2	1274.2	1325.4	1363.5	1361.0	1300.9	1204.8	1128.2	1093.4	1082.3
50°	1260.3	1267.0	1311.2	1366.3	1423.7	1442.9	1390.9	1290.9	1209.0	1169.9	1162.4
52.5°	1262.8	1268.8	1319.4	1388.1	1464.6	1506.9	1479.5	1381.7	1298.0	1257.4	1252.1
55°	1207.3	1211.5	1278.8	1370.3	1481.3	1556.0	1560.3	1480.6	1393.0	1352.1	1349.6
57.5°	1079.8	1085.9	1166.3	1287.3	1453.5	1587.7	1630.4	1584.2	1500.5	1462.1	1460.0
60°	872.3	880.2	972.0	1132.9	1353.2	1579.5	1689.9	1681.3	1618.0	1580.6	1579.2
62.5°	615.4	618.2	714.0	891.2	1156.7	1492.7	1718.7	1776.0	1739.7	1702.0	1704.1
65°	361.6	365.5	435.6	595.1	877.3	1293.0	1668.9	1841.8	1837.2	1802.7	1806.3
67.5°	191.1	191.1	226.4	325.3	551.7	968.1	1470.6	1805.5	1866.0	1835.8	1837.6
70°	132.0	131.7	138.1	163.4	266.6	600.1	1100.1	1615.5	1807.3	1795.9	1800.6
72.5°	111.8	111.0	111.4	115.0	135.6	271.2	668.0	1244.3	1611.2	1628.7	1632.6
75°	97.9	96.8	96.1	95.4	97.2	123.1	304.7	767.7	1194.4	1304.1	1301.9
77.5°	84.4	83.6	82.9	80.4	77.6	80.8	124.6	345.2	614.3	725.0	717.2
80°	69.4	69.4	70.5	66.9	61.6	59.4	74.4	128.8	203.9	212.8	195.8
82.5°	54.5	54.5	59.8	54.8	48.4	43.1	51.6	68.7	82.9	67.3	54.8
85°	38.4	38.8	49.8	45.6	37.4	24.9	32.0	40.9	46.6	29.5	23.1
87.5°	15.7	16.7	31.0	24.6	23.5	12.5	14.9	18.2	23.1	12.5	10.0
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)