

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: P672899

Luminaire Tested: **CCP-SA-1D-840-U-RW**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672899
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-840-U-RW
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ RW distribution lens
Light Source: (16) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

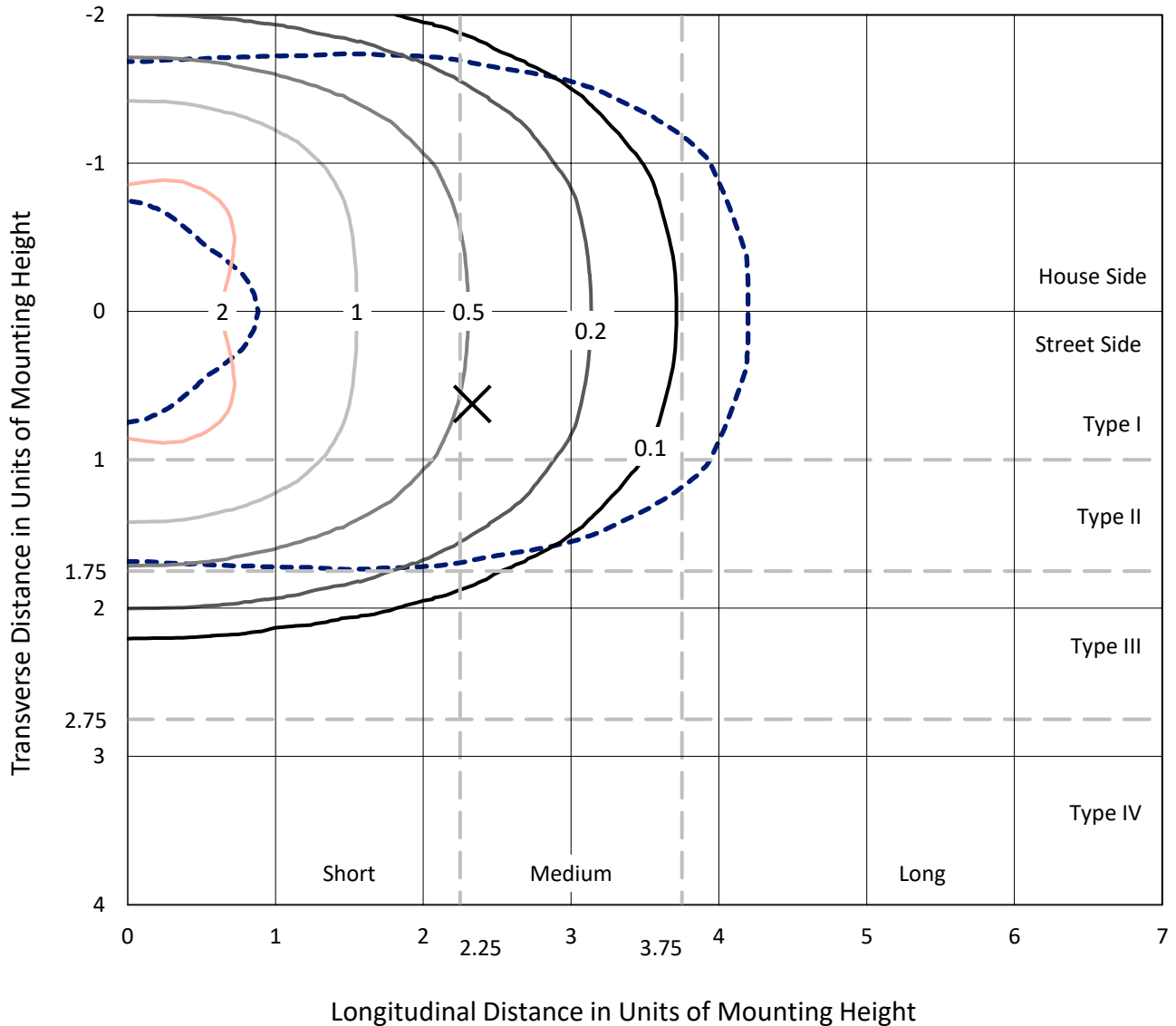
Lumens per Lamp: N/A
Luminaire Lumens: 4836.8 lumens
Efficiency: N/A
Efficacy: 109.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

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

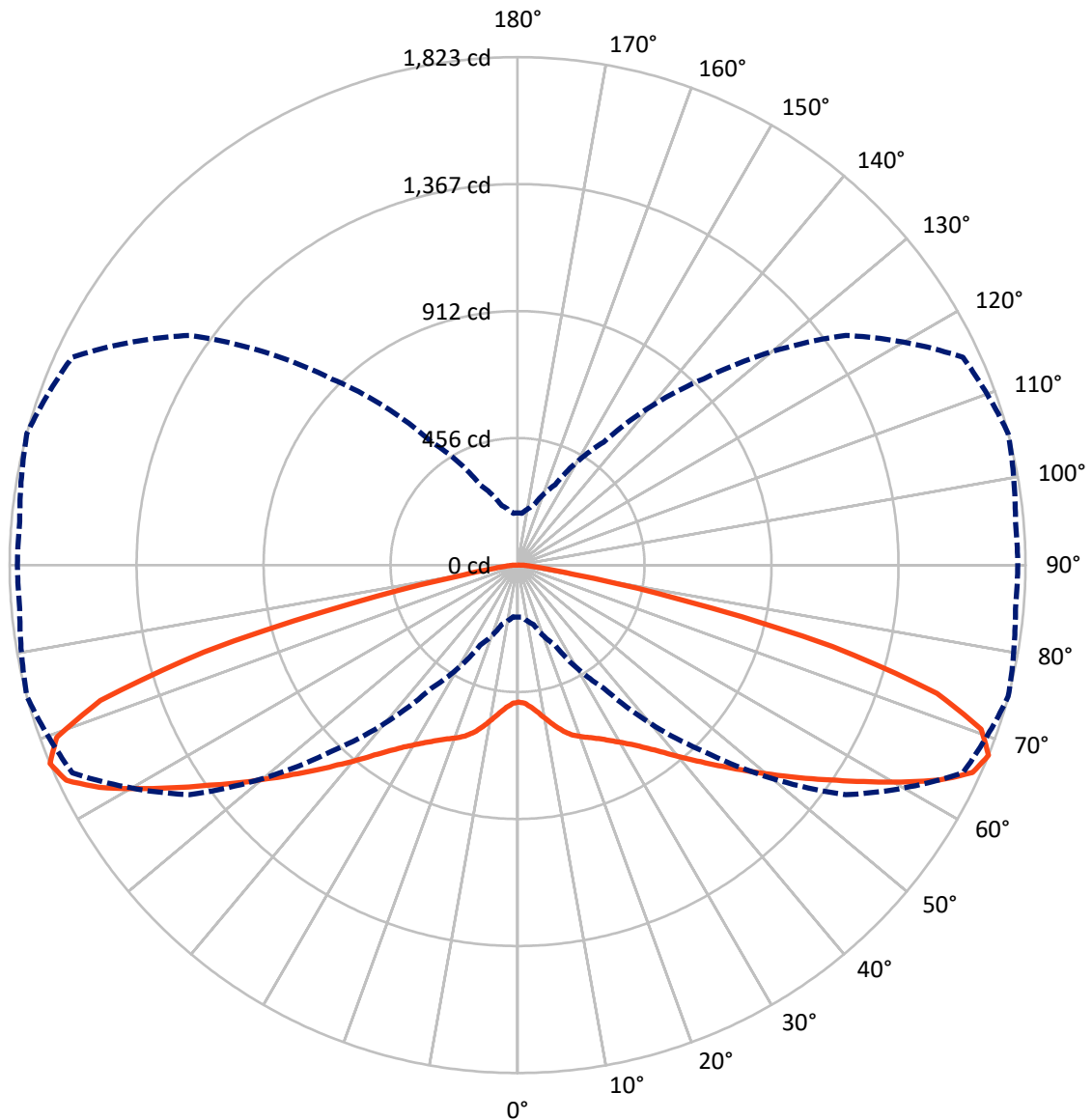
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 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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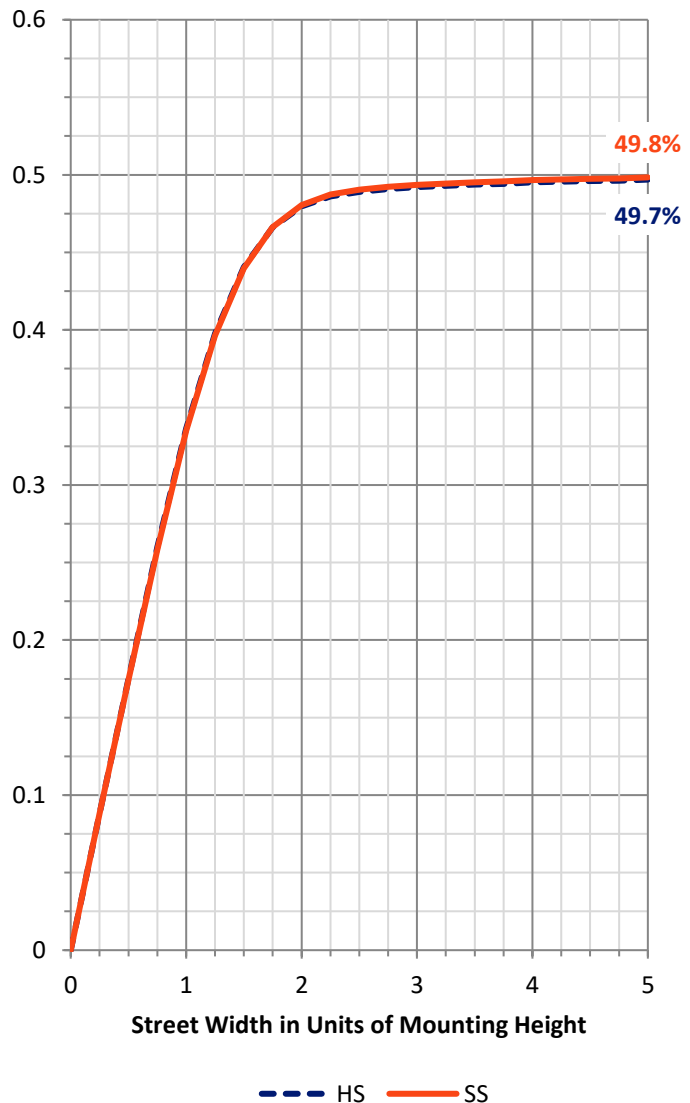
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2418.4	0.0	2418.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2418.4	0.0	2418.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	4836.8	0.0	4836.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.7	1.0
10°-20°	164.1	3.4
20°-30°	320.4	6.6
30°-40°	552.7	11.4
40°-50°	895.3	18.5
50°-60°	1217.6	25.2
60°-70°	1123.3	23.2
70°-80°	470.0	9.7
80°-90°	44.9	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°	4836.8	100.0
0°-180°	4836.8	100.0



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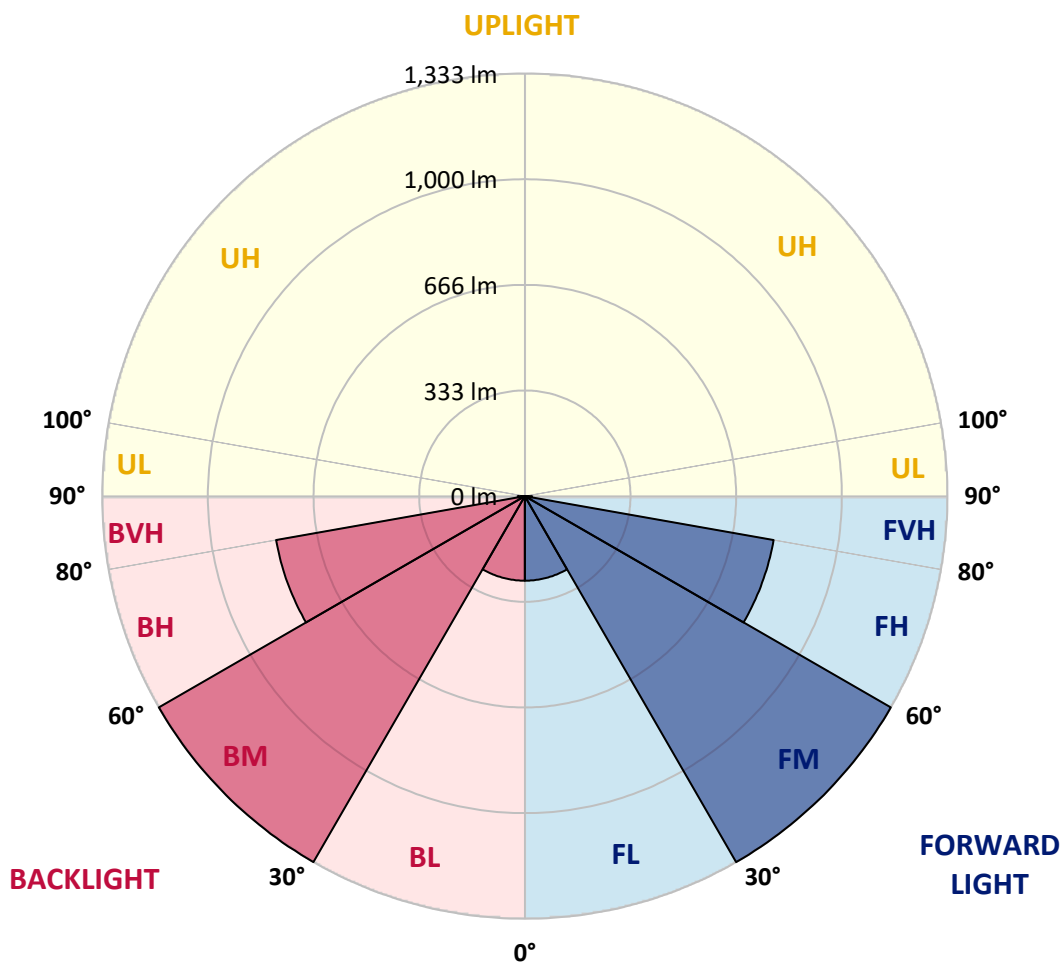
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	266.6	5.5			
FM (30°-60°)	1332.8	27.6			
FH (60°-80°)	796.6	16.5			G1/1800
FVH (80°-90°)	22.4	0.5			G1/100
BL (0°-30°)	266.6	5.5	B1/500		
BM (30°-60°)	1332.8	27.6	B2/2500		
BH (60°-80°)	796.6	16.5	B2/1000		G2/1000
BVH (80°-90°)	22.4	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°	492.1	492.1	492.1	492.1	492.1	492.1	492.1	492.1	492.1	492.1	492.1
2.5°	488.9	488.9	490.3	492.1	492.8	494.2	494.5	494.5	496.6	496.2	496.6
5°	487.6	487.6	490.0	493.1	496.6	500.8	504.9	507.4	512.6	513.6	514.0
7.5°	488.9	489.3	492.8	498.0	503.9	511.5	519.5	526.2	534.8	538.0	540.1
10°	494.2	494.5	499.0	506.3	515.4	526.5	538.0	548.4	562.3	568.6	569.6
12.5°	502.2	502.5	509.1	520.9	533.8	547.7	560.6	573.8	591.2	600.6	602.7
15°	514.3	513.3	523.7	541.1	559.2	576.6	588.1	600.9	619.4	631.5	634.7
17.5°	531.0	531.7	544.6	566.8	589.1	606.8	618.3	625.6	641.6	654.1	657.3
20°	551.9	555.0	571.4	597.1	623.2	642.0	650.0	648.9	658.0	668.7	671.2
22.5°	581.4	583.5	603.4	632.2	662.1	681.6	684.7	673.3	672.9	679.9	683.0
25°	616.2	618.0	638.8	672.2	703.9	724.4	721.2	701.4	691.0	691.3	693.4
27.5°	656.9	660.4	681.9	716.0	748.7	767.5	763.0	734.1	713.6	707.3	705.9
30°	709.8	713.6	735.5	768.2	797.1	813.7	806.8	770.3	739.7	729.2	727.2
32.5°	778.6	778.3	800.9	832.5	852.7	863.5	849.9	808.5	769.9	756.0	753.2
35°	849.6	853.0	875.3	905.9	921.2	921.9	900.3	853.7	807.8	783.8	778.6
37.5°	929.5	931.3	957.0	985.9	996.0	990.4	958.4	906.6	853.7	828.4	819.3
40°	1011.6	1013.4	1043.3	1071.1	1082.2	1069.0	1026.9	965.0	908.0	880.2	875.0
42.5°	1087.8	1092.3	1125.7	1158.4	1169.2	1153.9	1103.1	1029.0	965.4	938.6	931.6
45°	1151.1	1155.9	1193.5	1235.2	1254.4	1241.8	1184.5	1101.0	1031.4	1002.6	990.8
47.5°	1198.7	1205.0	1245.0	1295.0	1332.2	1329.8	1271.0	1177.2	1102.4	1068.3	1057.5
50°	1231.4	1238.0	1281.1	1335.0	1391.0	1409.8	1359.0	1261.3	1181.3	1143.1	1135.8
52.5°	1233.8	1239.7	1289.1	1356.2	1431.0	1472.4	1445.6	1350.0	1268.3	1228.6	1223.4
55°	1179.6	1183.8	1249.5	1338.9	1447.4	1520.4	1524.6	1446.7	1361.1	1321.1	1318.7
57.5°	1055.1	1061.0	1139.6	1257.8	1420.2	1551.3	1593.1	1547.9	1466.1	1428.6	1426.5
60°	852.3	860.0	949.7	1106.9	1322.2	1543.3	1651.1	1642.8	1580.9	1544.4	1543.0
62.5°	601.3	604.1	697.6	870.8	1130.2	1458.5	1679.3	1735.3	1699.8	1663.0	1665.1
65°	353.3	357.1	425.7	581.4	857.2	1263.4	1630.6	1799.6	1795.1	1761.4	1764.9
67.5°	186.7	186.7	221.2	317.8	539.0	945.9	1436.9	1764.2	1823.3	1793.7	1795.5
70°	129.0	128.7	134.9	159.6	260.5	586.3	1074.9	1578.5	1765.9	1754.8	1759.3
72.5°	109.2	108.5	108.8	112.3	132.5	265.0	652.7	1215.8	1574.3	1591.3	1595.2
75°	95.6	94.6	93.9	93.2	94.9	120.3	297.7	750.1	1167.1	1274.2	1272.1
77.5°	82.4	81.7	81.0	78.6	75.8	78.9	121.7	337.3	600.2	708.4	700.7
80°	67.8	67.8	68.9	65.4	60.2	58.1	72.7	125.9	199.3	208.0	191.3
82.5°	53.2	53.2	58.4	53.6	47.3	42.1	50.4	67.1	81.0	65.7	53.6
85°	37.6	37.9	48.7	44.5	36.5	24.3	31.3	40.0	45.6	28.9	22.6
87.5°	15.3	16.3	30.3	24.0	23.0	12.2	14.6	17.7	22.6	12.2	9.7
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)