

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: P672877

Luminaire Tested: **CCP-SA-1D-830-U-RW**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672877
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-830-U-RW
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ RW distribution lens
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

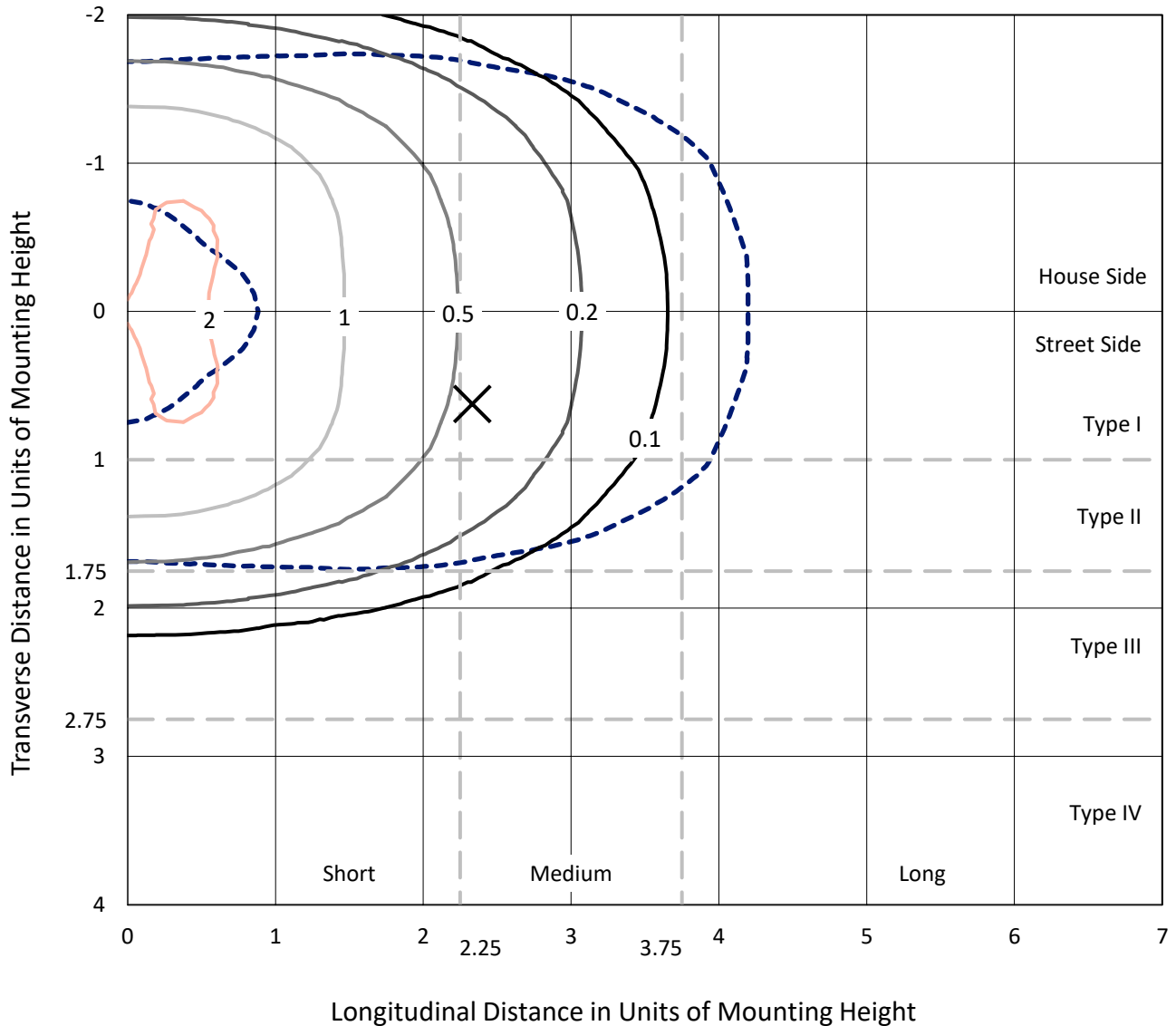
Lumens per Lamp: N/A
Luminaire Lumens: 4507.8 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

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

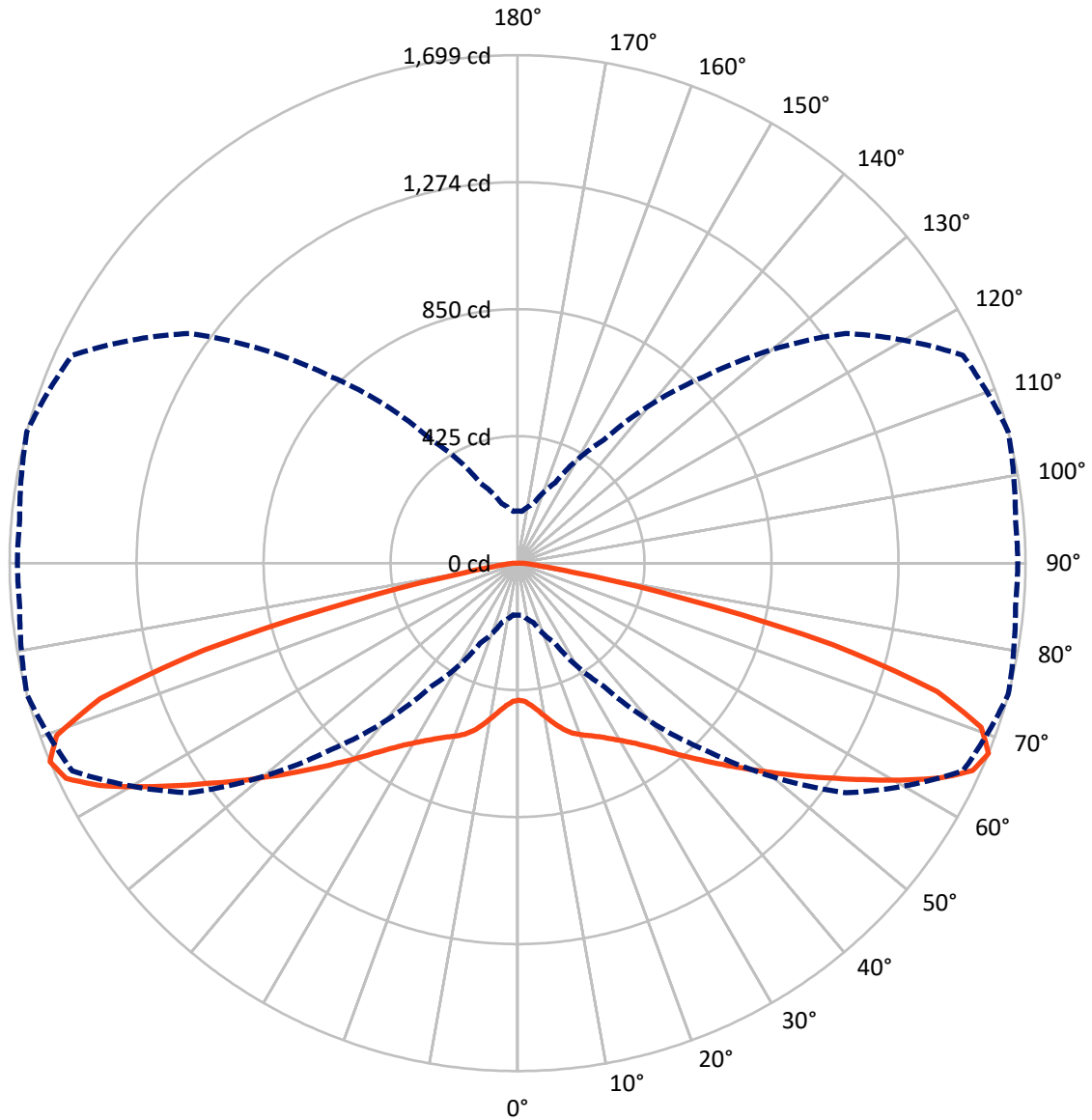
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.4 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	2253.9	0.0	2253.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2253.9	0.0	2253.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	4507.8	0.0	4507.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.4	1.0
10°-20°	152.9	3.4
20°-30°	298.6	6.6
30°-40°	515.1	11.4
40°-50°	834.4	18.5
50°-60°	1134.7	25.2
60°-70°	1046.8	23.2
70°-80°	438.0	9.7
80°-90°	41.8	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°	4507.8	100.0
0°-180°	4507.8	100.0



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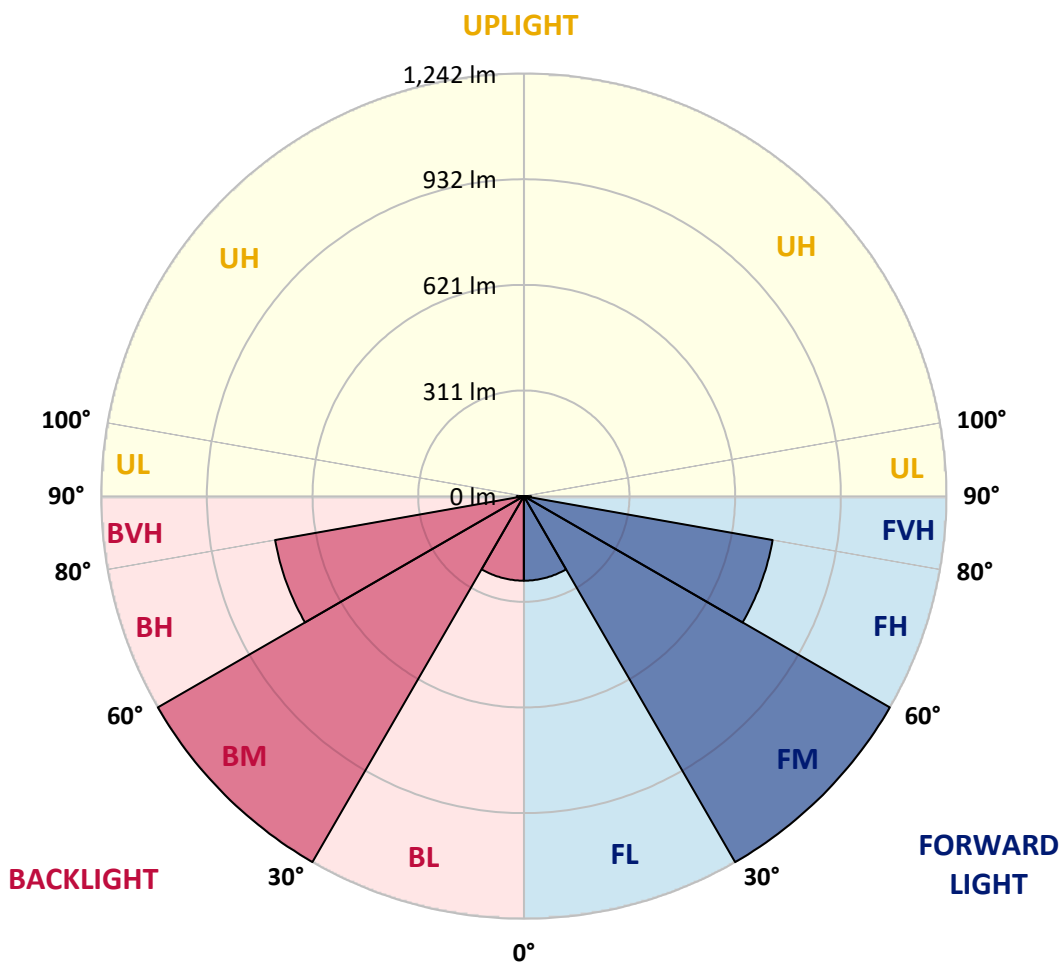
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	248.4	5.5			
FM (30°-60°)	1242.1	27.6			
FH (60°-80°)	742.4	16.5			G1/1800
FVH (80°-90°)	20.9	0.5			G1/100
BL (0°-30°)	248.4	5.5	B1/500		
BM (30°-60°)	1242.1	27.6	B2/2500		
BH (60°-80°)	742.4	16.5	B2/1000		G2/1000
BVH (80°-90°)	20.9	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°	458.6	458.6	458.6	458.6	458.6	458.6	458.6	458.6	458.6	458.6	458.6
2.5°	455.7	455.7	457.0	458.6	459.2	460.5	460.9	460.9	462.8	462.5	462.8
5°	454.4	454.4	456.7	459.6	462.8	466.7	470.6	472.9	477.7	478.7	479.0
7.5°	455.7	456.0	459.2	464.1	469.6	476.7	484.2	490.4	498.5	501.4	503.3
10°	460.5	460.9	465.1	471.9	480.3	490.7	501.4	511.1	524.1	529.9	530.9
12.5°	468.0	468.3	474.5	485.5	497.5	510.5	522.4	534.8	551.0	559.7	561.7
15°	479.3	478.4	488.1	504.3	521.2	537.4	548.1	560.0	577.2	588.6	591.5
17.5°	494.9	495.5	507.5	528.3	549.0	565.6	576.2	583.1	598.0	609.6	612.5
20°	514.3	517.3	532.5	556.5	580.8	598.3	605.7	604.8	613.2	623.2	625.5
22.5°	541.9	543.8	562.3	589.2	617.1	635.2	638.1	627.5	627.1	633.6	636.5
25°	574.3	575.9	595.4	626.5	656.0	675.1	672.2	653.7	644.0	644.3	646.3
27.5°	612.2	615.5	635.6	667.3	697.8	715.3	711.1	684.2	665.0	659.2	657.9
30°	661.5	665.0	685.5	715.9	742.8	758.4	751.9	717.9	689.4	679.6	677.7
32.5°	725.7	725.3	746.4	775.9	794.7	804.7	792.1	753.5	717.6	704.6	702.0
35°	791.8	795.0	815.8	844.3	858.5	859.2	839.1	795.7	752.9	730.5	725.7
37.5°	866.3	867.9	891.9	918.8	928.2	923.0	893.2	844.9	795.7	772.0	763.6
40°	942.8	944.4	972.3	998.2	1008.6	996.3	957.1	899.4	846.2	820.3	815.4
42.5°	1013.8	1018.0	1049.1	1079.6	1089.6	1075.4	1028.0	959.0	899.7	874.7	868.3
45°	1072.8	1077.3	1112.3	1151.2	1169.0	1157.4	1103.9	1026.1	961.3	934.4	923.4
47.5°	1117.2	1123.0	1160.3	1206.9	1241.6	1239.4	1184.6	1097.1	1027.4	995.6	985.6
50°	1147.6	1153.8	1194.0	1244.2	1296.4	1313.9	1266.6	1175.5	1101.0	1065.3	1058.5
52.5°	1149.9	1155.4	1201.4	1264.0	1333.7	1372.2	1347.3	1258.1	1182.0	1145.0	1140.2
55°	1099.3	1103.2	1164.5	1247.8	1348.9	1417.0	1420.8	1348.2	1268.5	1231.2	1229.0
57.5°	983.3	988.8	1062.1	1172.3	1323.6	1445.8	1484.7	1442.6	1366.4	1331.4	1329.5
60°	794.4	801.5	885.1	1031.6	1232.2	1438.3	1538.8	1531.0	1473.4	1439.3	1438.0
62.5°	560.4	563.0	650.1	811.5	1053.3	1359.3	1565.1	1617.3	1584.2	1549.8	1551.8
65°	329.3	332.8	396.7	541.9	798.9	1177.4	1519.7	1677.2	1673.0	1641.6	1644.8
67.5°	174.0	174.0	206.1	296.2	502.4	881.5	1339.2	1644.2	1699.2	1671.7	1673.3
70°	120.2	119.9	125.8	148.8	242.7	546.4	1001.8	1471.1	1645.8	1635.4	1639.6
72.5°	101.8	101.1	101.4	104.7	123.5	247.0	608.3	1133.0	1467.2	1483.1	1486.6
75°	89.1	88.2	87.5	86.9	88.5	112.1	277.4	699.1	1087.7	1187.5	1185.6
77.5°	76.8	76.2	75.5	73.2	70.7	73.6	113.4	314.4	559.4	660.2	653.1
80°	63.2	63.2	64.2	60.9	56.1	54.1	67.7	117.3	185.7	193.8	178.3
82.5°	49.6	49.6	54.4	49.9	44.1	39.2	47.0	62.6	75.5	61.3	49.9
85°	35.0	35.3	45.4	41.5	34.0	22.7	29.2	37.3	42.5	26.9	21.1
87.5°	14.3	15.2	28.2	22.4	21.4	11.3	13.6	16.5	21.1	11.3	9.1
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)