

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: P672589

Luminaire Tested: **CCP-SA-1D-830-U-5MQ**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672589
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-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ 5MQ
distribution lens
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

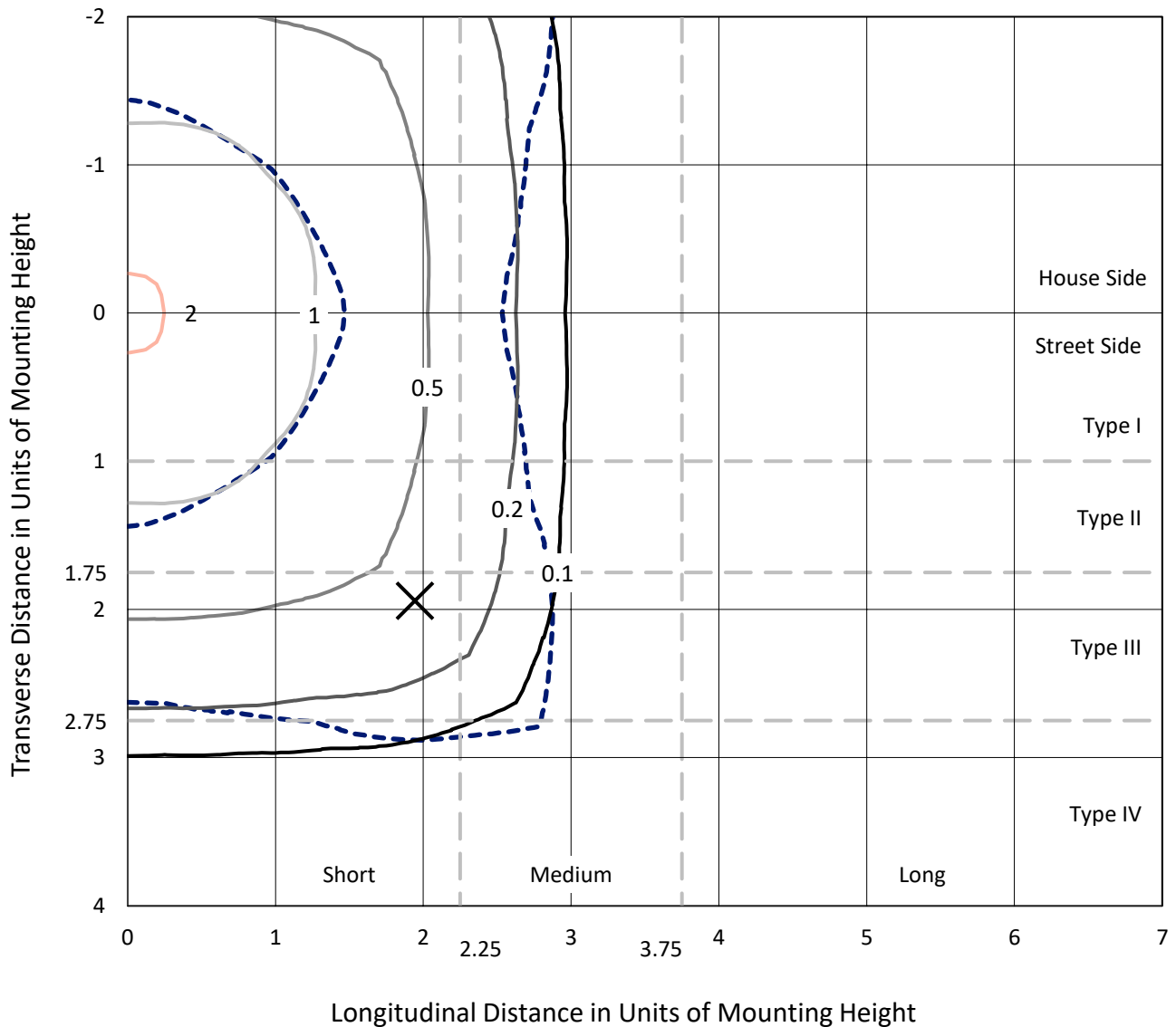
Lumens per Lamp: N/A
Luminaire Lumens: 4574.3 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 44
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: P672589
 CATALOG NUMBER: CCP-SA-1D-830-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

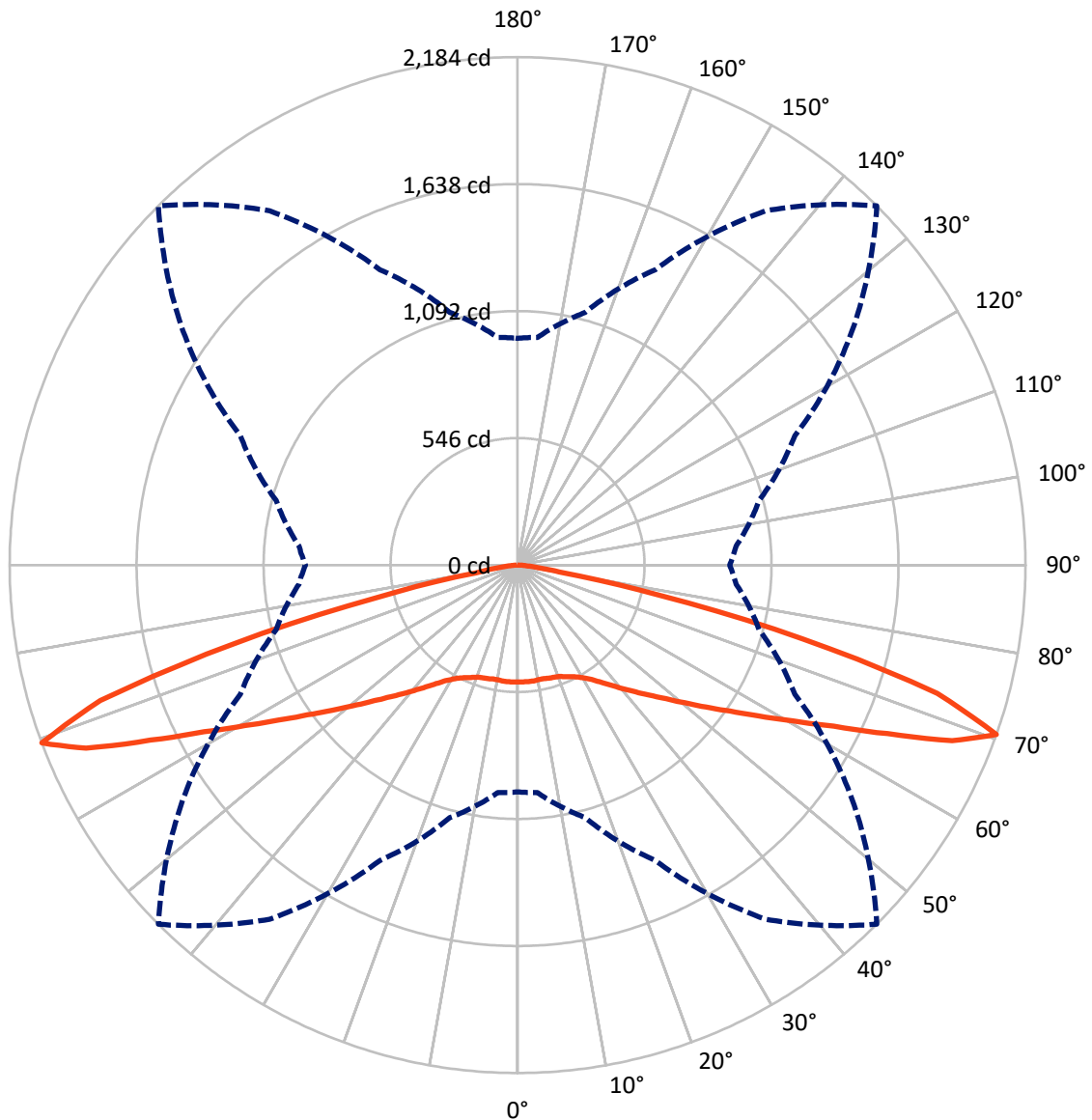
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.2 fc
 Type V - Short - N/A

REPORT NUMBER: P672589
CATALOG NUMBER: CCP-SA-1D-830-U-5MQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P672589
 CATALOG NUMBER: CCP-SA-1D-830-U-5MQ

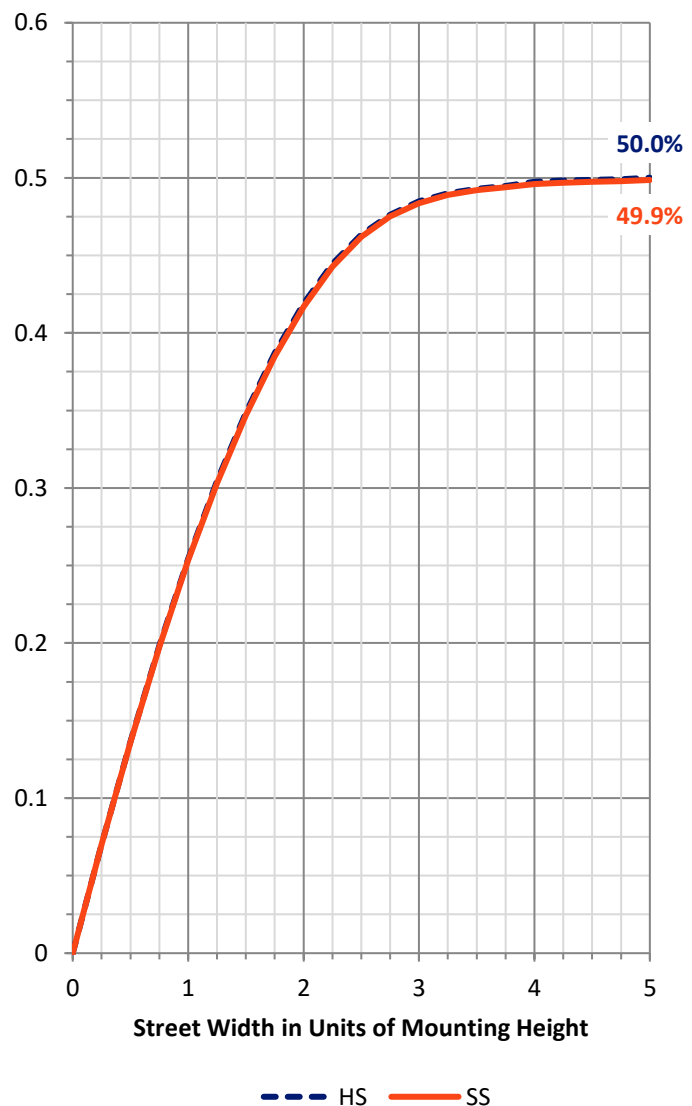
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2287.1	0.0	2287.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2287.1	0.0	2287.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	4574.3	0.0	4574.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.9	1.0
10°-20°	141.6	3.1
20°-30°	241.8	5.3
30°-40°	385.9	8.4
40°-50°	622.8	13.6
50°-60°	997.2	21.8
60°-70°	1459.9	31.9
70°-80°	642.0	14.0
80°-90°	35.2	0.8
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°	4574.3	100.0
0°-180°	4574.3	100.0



REPORT NUMBER: P672589

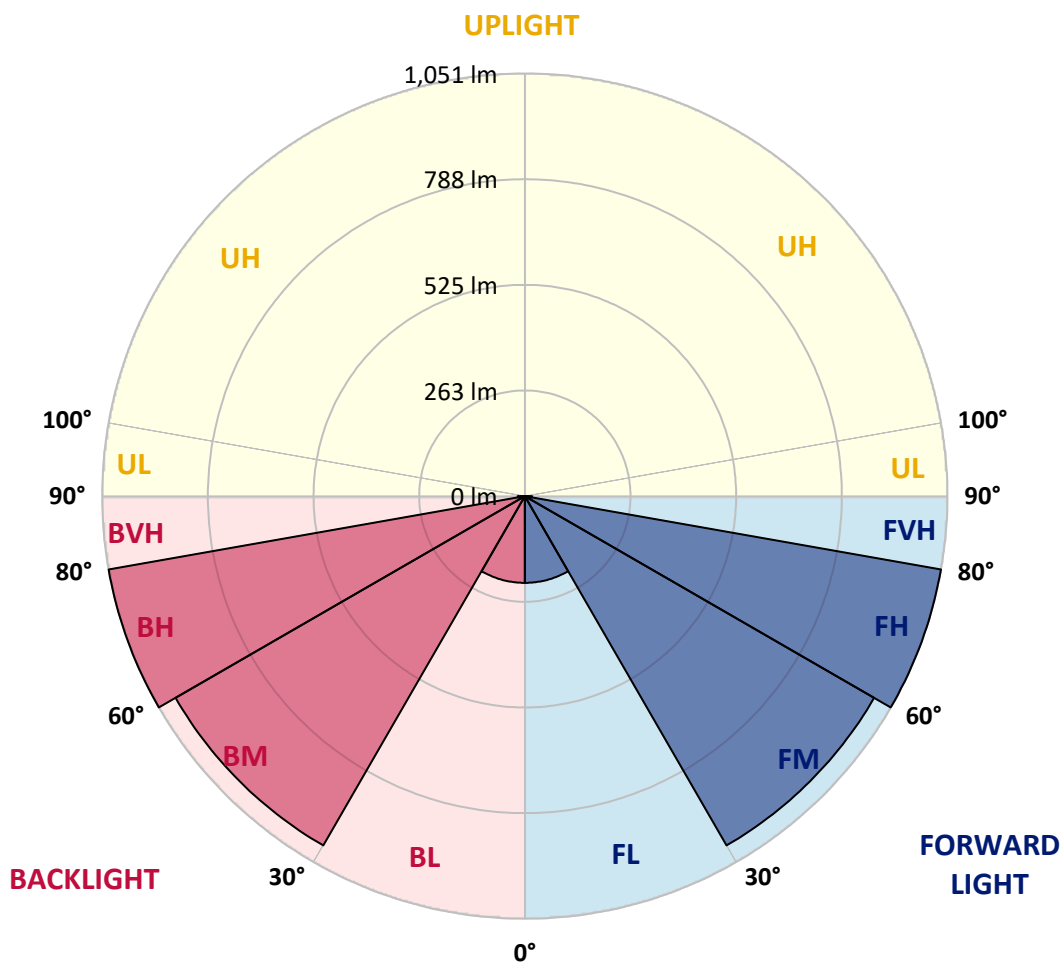
CATALOG NUMBER: CCP-SA-1D-830-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	215.7	4.7			
FM (30°-60°)	1002.9	21.9			
FH (60°-80°)	1051.0	23.0			G1/1800
FVH (80°-90°)	17.6	0.4			G1/100
BL (0°-30°)	215.7	4.7	B1/500		
BM (30°-60°)	1002.9	21.9	B2/2500		
BH (60°-80°)	1051.0	23.0	B3/2500		G1/1800
BVH (80°-90°)	17.6	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





REPORT NUMBER: P672589
 CATALOG NUMBER: CCP-SA-1D-830-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	503.0	503.0	503.0	503.0	503.0	503.0	503.0	503.0	503.0	503.0	503.0
2.5°	502.4	502.0	502.7	503.0	502.4	502.7	500.8	500.8	501.7	500.8	502.0
5°	504.6	504.0	504.6	504.6	503.0	503.0	500.8	500.1	500.8	499.1	500.4
7.5°	505.0	503.7	504.6	504.3	503.0	503.0	499.8	498.5	498.8	497.2	498.2
10°	501.7	501.1	502.4	501.7	500.8	500.8	498.2	496.2	496.2	494.6	495.6
12.5°	499.8	499.1	500.8	501.1	500.4	500.8	497.5	494.9	493.9	492.0	492.6
15°	499.8	498.5	501.1	501.7	502.4	504.6	499.8	495.2	493.3	490.7	491.4
17.5°	499.5	498.8	501.7	504.0	504.6	507.2	501.7	496.9	494.6	490.7	491.4
20°	499.5	499.1	502.7	506.9	508.9	511.1	505.3	500.8	496.9	492.6	492.6
22.5°	501.1	500.8	505.6	511.8	517.3	521.2	514.4	506.9	501.7	496.2	495.6
25°	507.9	507.2	513.1	520.5	528.0	531.9	525.1	517.6	510.2	504.0	503.3
27.5°	521.8	521.5	527.3	536.4	541.6	544.5	538.7	532.2	524.7	517.6	517.3
30°	540.6	540.6	548.1	557.5	560.4	562.7	556.8	552.3	544.5	536.7	536.1
32.5°	563.3	564.6	573.4	583.7	585.7	587.0	580.8	577.9	569.5	561.0	559.7
35°	593.1	593.4	604.1	614.5	617.1	618.4	611.3	608.7	600.9	591.8	589.9
37.5°	631.0	630.1	640.1	651.8	654.4	656.0	650.2	648.2	638.5	629.4	626.5
40°	673.5	674.2	685.5	696.5	698.1	698.8	695.9	693.0	683.9	673.5	669.9
42.5°	722.8	722.8	736.1	749.0	749.0	745.8	744.5	743.8	735.1	723.4	719.5
45°	779.2	779.8	796.3	806.1	806.7	798.0	799.3	803.1	794.7	779.8	774.6
47.5°	841.1	842.0	861.5	872.2	870.2	858.9	866.0	868.0	858.2	839.1	832.3
50°	906.2	909.1	930.8	949.6	947.1	930.5	939.9	940.6	924.7	902.7	893.3
52.5°	976.5	983.4	1012.2	1032.3	1034.9	1014.1	1022.2	1021.6	1001.2	971.0	964.9
55°	1063.7	1067.6	1096.1	1124.7	1134.4	1108.8	1117.9	1113.3	1085.8	1051.4	1041.0
57.5°	1150.9	1156.8	1193.4	1225.5	1244.9	1223.2	1225.1	1213.5	1178.8	1137.3	1132.1
60°	1254.3	1256.9	1297.4	1339.2	1372.9	1360.0	1350.9	1326.6	1285.8	1244.3	1236.8
62.5°	1338.9	1344.1	1404.4	1466.0	1523.0	1525.3	1497.7	1461.4	1396.3	1326.9	1312.0
65°	1362.2	1370.7	1455.3	1576.8	1695.4	1748.3	1672.7	1561.9	1416.4	1311.7	1289.3
67.5°	1253.7	1269.9	1390.8	1592.7	1855.9	2014.4	1812.1	1514.2	1311.0	1188.8	1167.5
70°	974.9	982.1	1124.0	1401.1	1858.5	2183.5	1756.0	1314.9	1074.8	943.5	912.1
72.5°	517.9	521.5	649.5	943.5	1512.3	1886.3	1451.0	920.2	632.7	513.4	477.4
75°	167.2	171.8	223.6	386.3	834.3	1267.6	855.7	382.8	218.1	176.0	166.6
77.5°	85.2	84.9	94.3	124.5	280.7	621.3	296.9	134.2	94.3	84.6	82.0
80°	53.2	52.2	59.3	68.1	98.2	181.5	106.6	75.2	59.6	51.2	50.9
82.5°	30.1	30.1	39.9	43.8	55.4	74.9	62.2	51.5	40.8	30.5	29.5
85°	16.9	14.9	25.0	27.5	31.8	36.9	37.9	33.4	27.5	16.9	17.5
87.5°	6.2	6.8	11.7	11.0	12.6	8.8	15.6	17.5	15.6	8.1	6.8
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)