

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: P672386

Luminaire Tested: **CCP-SA-2E-730-U-5WQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672386
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-730-U-5WQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5WQ distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13049.6 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

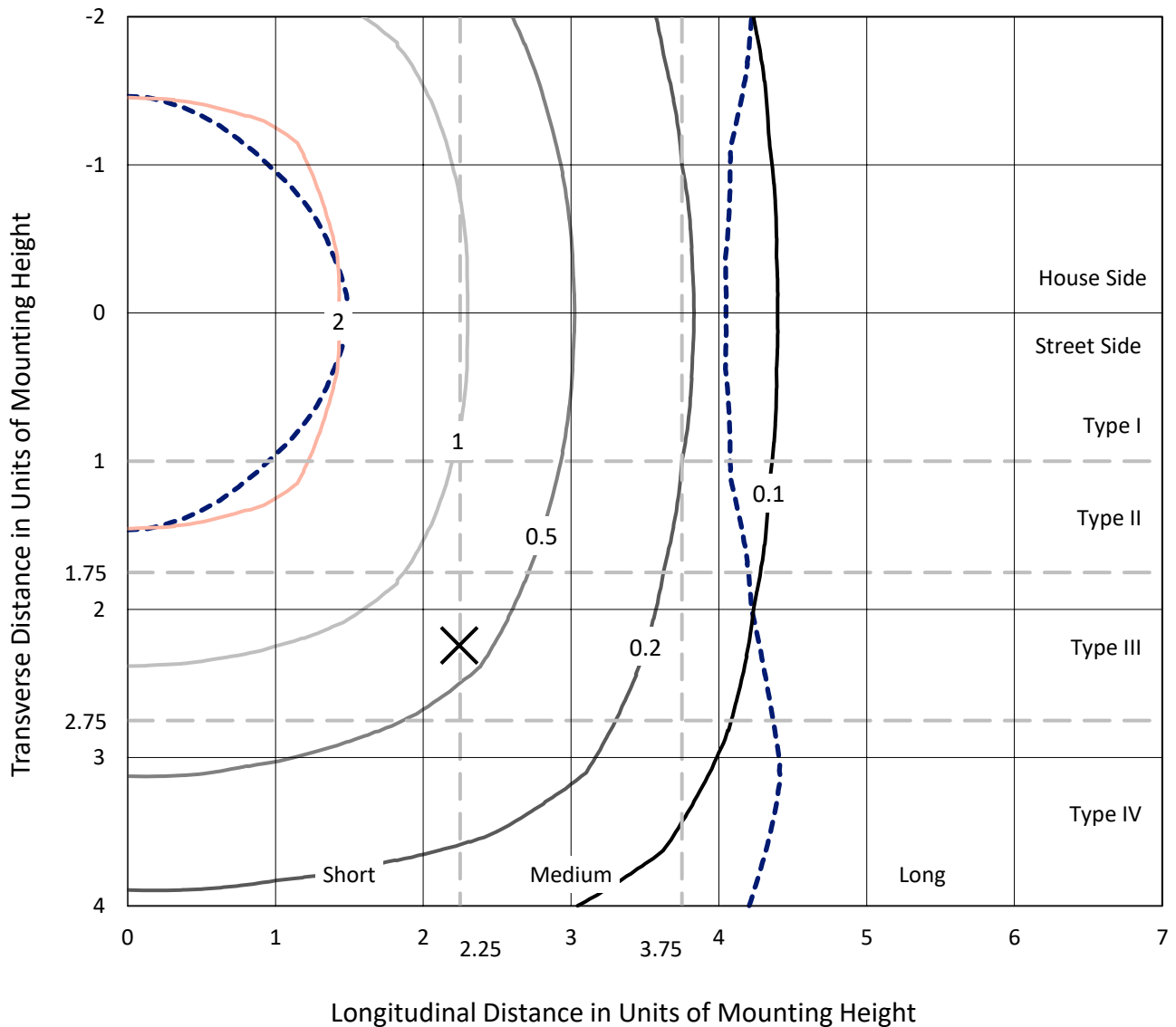
Input Watts (W): 106.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

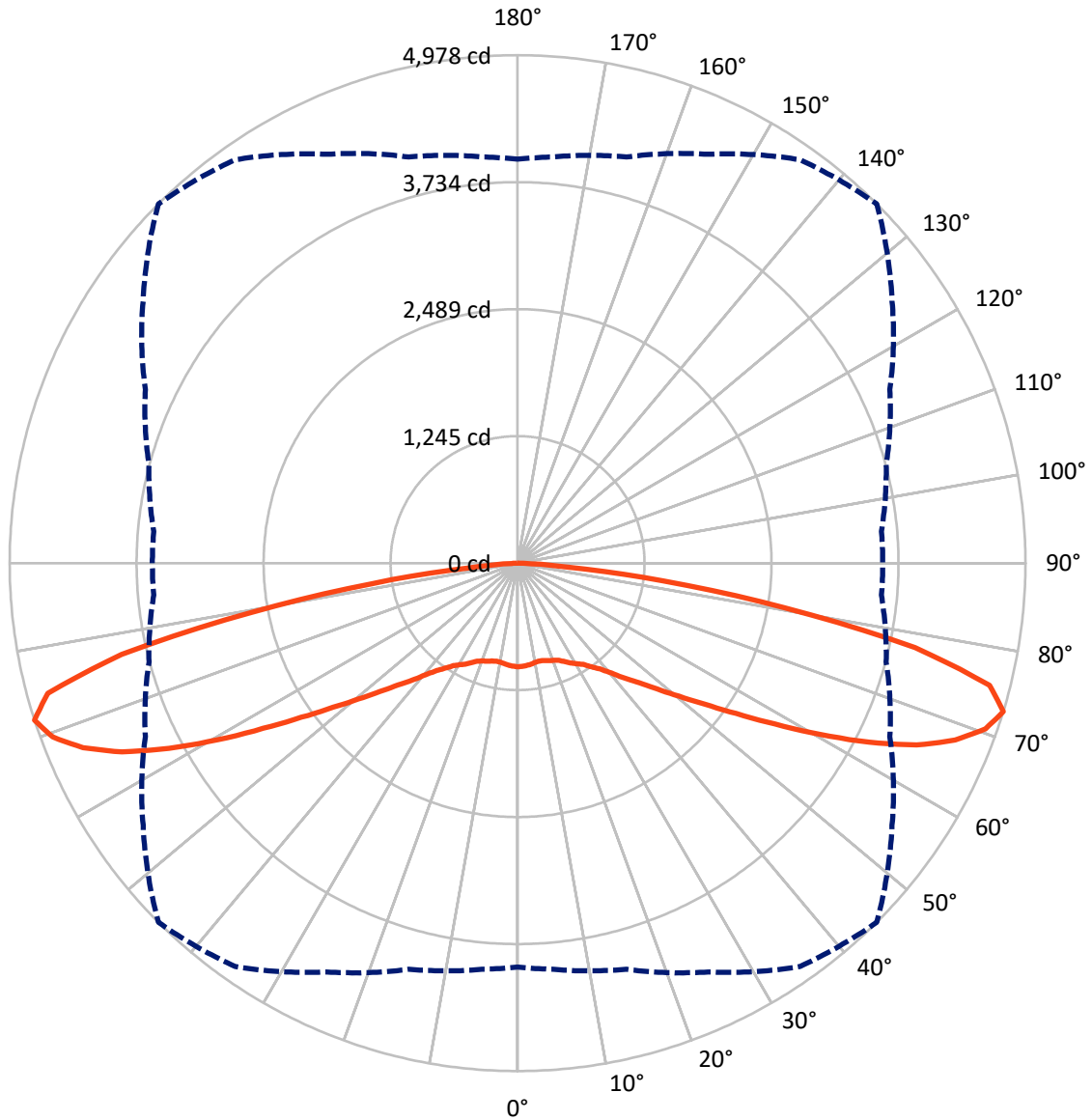
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.5 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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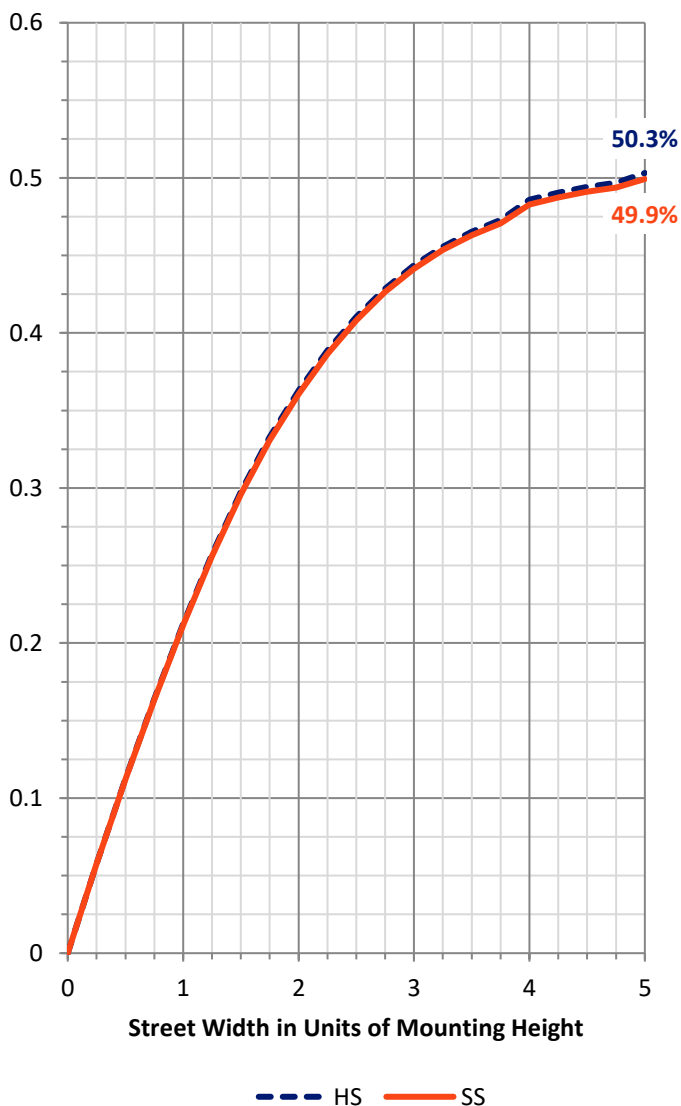
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6524.8	0.0	6524.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6524.8	0.0	6524.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	13049.6	0.0	13049.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.4	0.7
10°-20°	283.5	2.2
20°-30°	497.9	3.8
30°-40°	794.3	6.1
40°-50°	1328.2	10.2
50°-60°	2272.9	17.4
60°-70°	3752.2	28.8
70°-80°	3596.3	27.6
80°-90°	428.9	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°	13049.6	100.0
0°-180°	13049.6	100.0



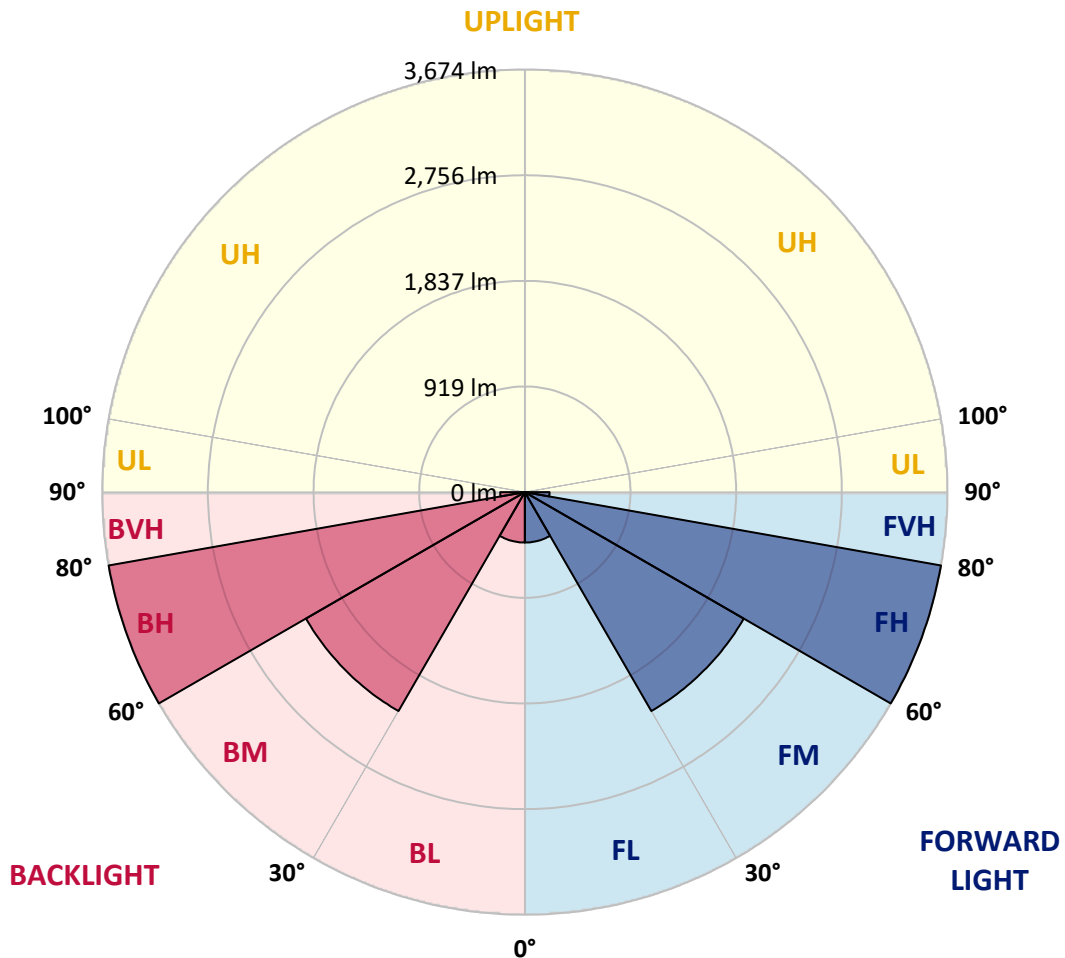
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	438.4	3.4			
FM (30°-60°)	2197.7	16.8			
FH (60°-80°)	3674.3	28.2			G2/5000
FVH (80°-90°)	214.4	1.6			G2/225
BL (0°-30°)	438.4	3.4	B1/500		
BM (30°-60°)	2197.7	16.8	B2/2500		
BH (60°-80°)	3674.3	28.2	B4/5000		G2/5000
BVH (80°-90°)	214.4	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°	1016.2	1016.2	1016.2	1016.2	1016.2	1016.2	1016.2	1016.2	1016.2	1016.2	1016.2
2.5°	1009.8	1009.8	1012.6	1013.5	1012.6	1011.6	1010.7	1009.8	1012.6	1011.6	1012.6
5°	1007.1	1007.1	1008.0	1008.9	1007.1	1006.2	1004.4	1003.4	1005.3	1005.3	1007.1
7.5°	999.8	998.9	999.8	1000.7	998.0	997.1	994.3	994.3	994.3	993.4	995.3
10°	993.4	991.6	991.6	989.8	985.2	986.1	982.5	985.2	989.8	990.7	991.6
12.5°	996.2	994.3	992.5	988.0	981.6	982.5	981.6	984.3	990.7	994.3	997.1
15°	1008.9	1007.1	1002.5	994.3	990.7	990.7	988.9	989.8	998.9	1004.4	1007.1
17.5°	1022.6	1018.9	1010.7	1005.3	1001.6	1004.4	998.0	997.1	1004.4	1012.6	1015.3
20°	1033.5	1030.8	1020.7	1014.4	1014.4	1017.1	1010.7	1007.1	1015.3	1025.3	1028.0
22.5°	1052.6	1050.8	1040.8	1034.4	1034.4	1035.3	1031.7	1028.9	1038.0	1048.1	1050.8
25°	1079.9	1079.9	1069.9	1067.2	1066.3	1068.1	1063.5	1060.8	1069.0	1076.3	1079.0
27.5°	1111.8	1109.1	1100.9	1099.1	1102.7	1109.1	1100.9	1093.6	1100.0	1106.3	1107.3
30°	1145.5	1145.5	1138.2	1138.2	1140.9	1143.7	1136.4	1129.1	1135.5	1142.8	1143.7
32.5°	1192.8	1190.1	1187.4	1188.3	1187.4	1183.7	1180.1	1179.2	1184.6	1189.2	1191.0
35°	1251.1	1250.2	1246.6	1248.4	1248.4	1248.4	1237.5	1233.8	1242.9	1246.6	1244.7
37.5°	1341.3	1340.4	1331.3	1325.8	1319.4	1316.7	1303.0	1302.1	1324.0	1334.9	1333.1
40°	1451.4	1447.8	1439.6	1430.5	1422.3	1416.8	1403.2	1413.2	1436.0	1444.2	1444.2
42.5°	1571.6	1567.1	1558.0	1553.4	1548.0	1542.5	1524.3	1528.8	1556.2	1564.4	1555.3
45°	1719.2	1712.8	1702.8	1692.7	1684.6	1673.6	1664.5	1669.1	1698.2	1708.2	1700.9
47.5°	1875.8	1873.9	1865.8	1857.6	1850.3	1843.0	1831.2	1839.3	1864.8	1863.0	1848.5
50°	2041.5	2045.1	2046.0	2054.2	2048.8	2049.7	2027.8	2023.3	2043.3	2031.5	2013.3
52.5°	2220.0	2225.4	2244.6	2260.9	2291.0	2294.6	2267.3	2238.2	2234.5	2203.6	2184.5
55°	2426.7	2425.8	2467.6	2513.2	2579.6	2600.6	2539.6	2484.9	2454.9	2394.8	2374.8
57.5°	2660.7	2657.9	2721.7	2801.8	2922.0	2973.9	2861.9	2758.1	2685.3	2613.3	2592.4
60°	2914.7	2921.1	2998.5	3128.7	3336.3	3408.3	3238.9	3066.8	2955.7	2861.9	2853.7
62.5°	3211.6	3212.5	3303.5	3480.2	3749.7	3865.4	3632.3	3399.2	3258.0	3155.1	3133.3
65°	3562.1	3568.5	3665.9	3844.4	4154.0	4297.0	4028.4	3744.3	3577.6	3438.3	3435.6
67.5°	3921.8	3918.2	4007.4	4196.8	4495.5	4627.5	4346.1	4029.3	3812.5	3638.6	3615.9
70°	4152.2	4172.2	4268.7	4449.9	4735.9	4864.3	4521.9	4139.4	3912.7	3753.4	3742.4
72.5°	3958.2	3995.6	4120.3	4420.8	4826.0	4978.1	4480.0	4025.6	3739.7	3579.4	3579.4
75°	3213.4	3275.3	3449.2	3911.8	4514.6	4777.8	4147.6	3523.0	3106.9	2935.7	2935.7
77.5°	1957.7	2016.9	2251.8	2816.4	3645.9	3982.8	3380.9	2653.4	2171.7	1962.3	1935.0
80°	651.1	689.3	919.7	1431.4	2238.2	2650.7	2265.5	1507.0	972.5	741.2	737.6
82.5°	173.0	188.5	262.2	415.2	971.6	1436.0	1036.2	497.2	285.0	221.3	204.0
85°	60.1	64.7	111.1	138.4	246.8	475.3	288.7	180.3	138.4	83.8	78.3
87.5°	17.3	19.1	44.6	48.3	71.0	55.5	78.3	71.9	65.6	27.3	24.6
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)