

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: P672515

Luminaire Tested: **CCP-SA-2A-727-U-5MQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672515
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-727-U-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ 5MQ
distribution lens
Light Source: (32) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

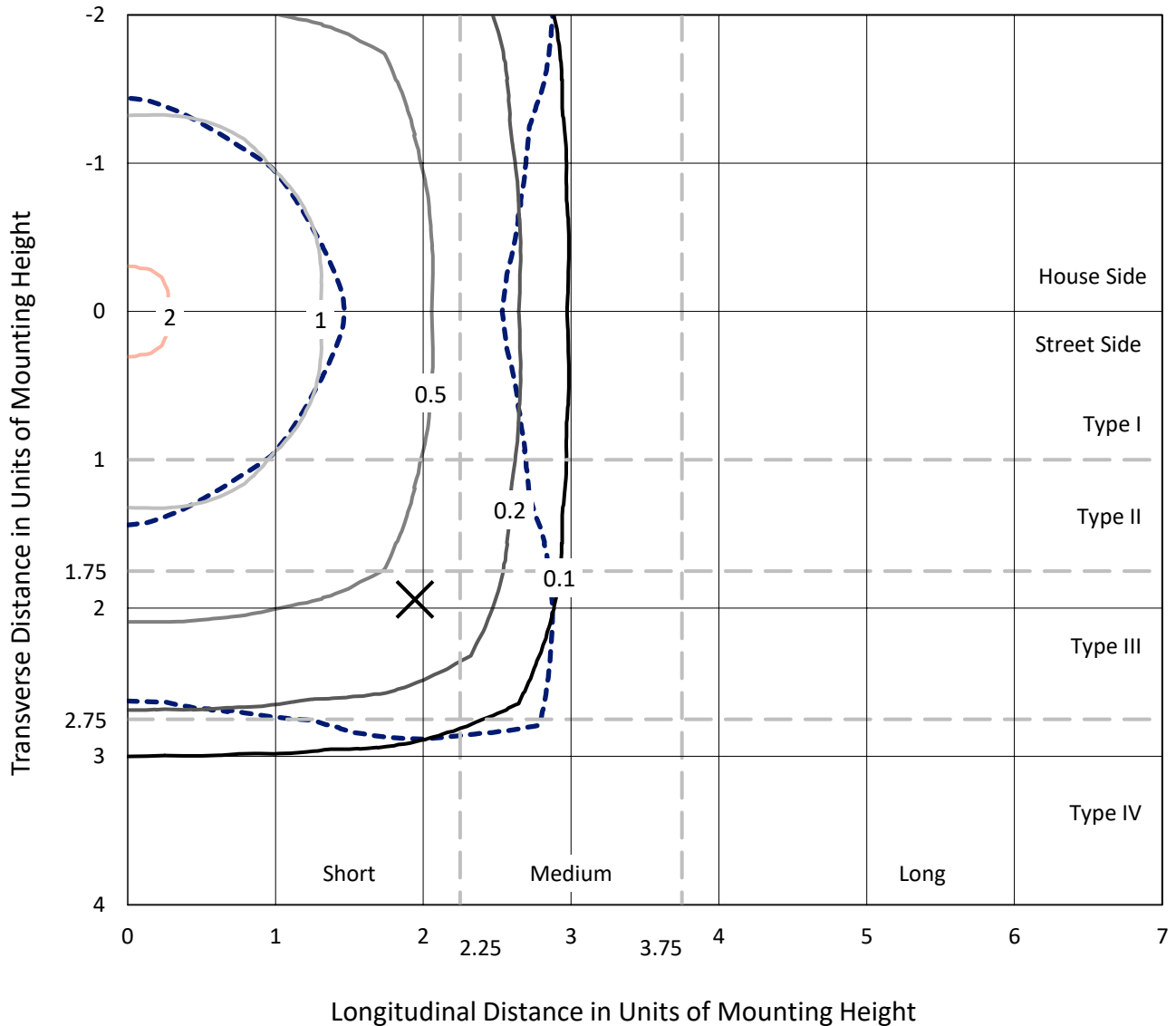
Lumens per Lamp: N/A
Luminaire Lumens: 4723.5 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 36.2
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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 CATALOG NUMBER: CCP-SA-2A-727-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

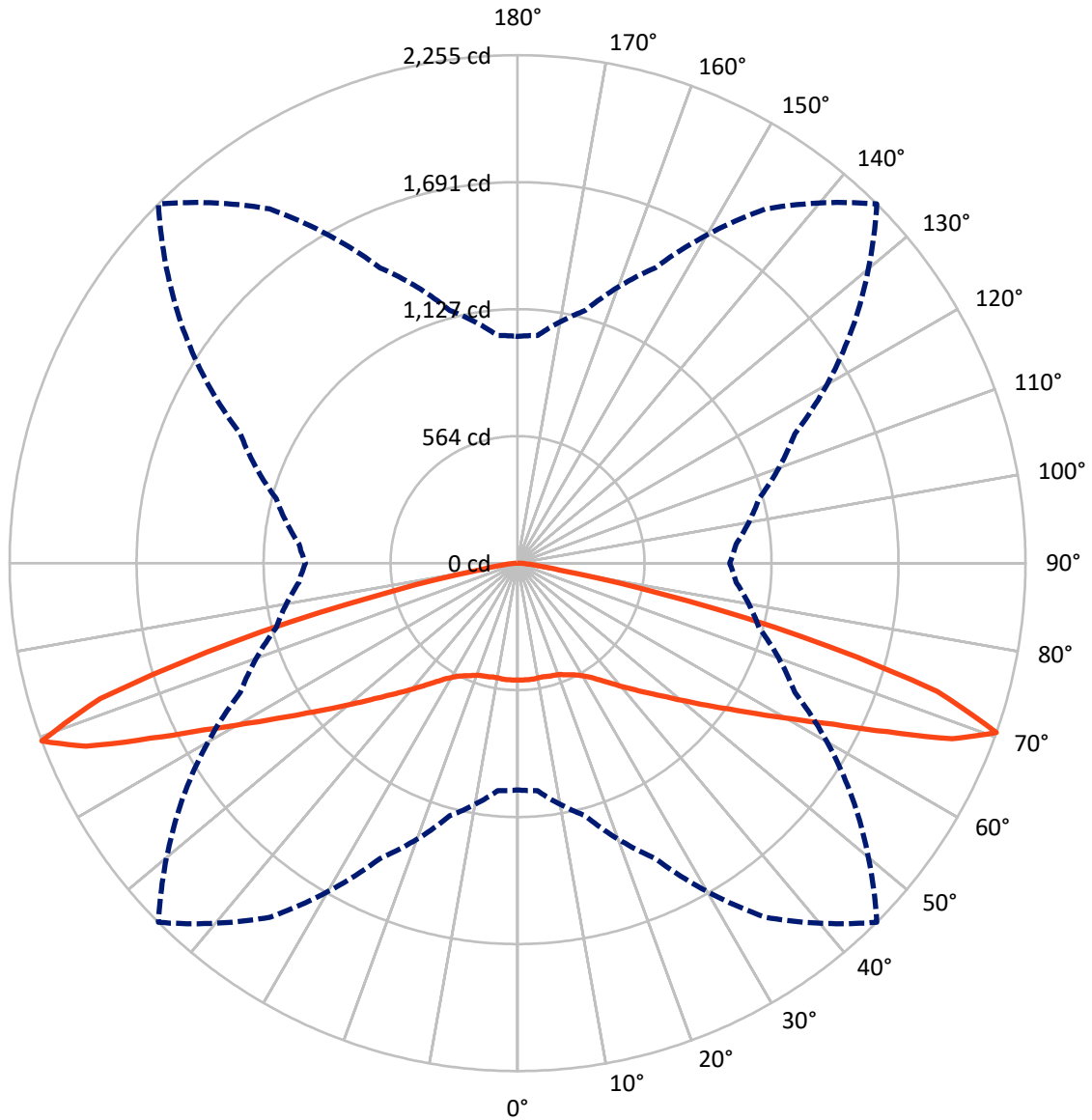
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - N/A

REPORT NUMBER: P672515
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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2361.7	0.0	2361.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2361.7	0.0	2361.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	4723.5	0.0	4723.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.4	1.0
10°-20°	146.2	3.1
20°-30°	249.7	5.3
30°-40°	398.5	8.4
40°-50°	643.1	13.6
50°-60°	1029.7	21.8
60°-70°	1507.5	31.9
70°-80°	663.0	14.0
80°-90°	36.3	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°	4723.5	100.0
0°-180°	4723.5	100.0



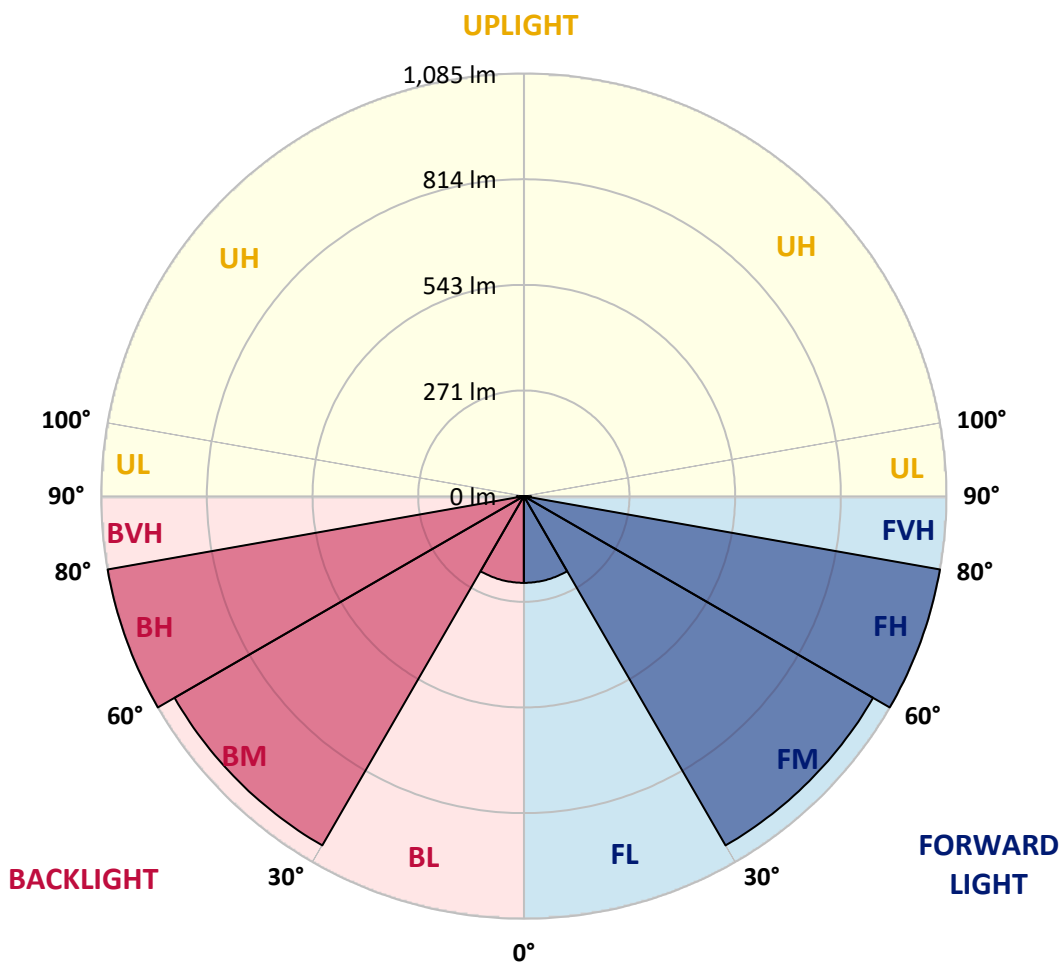
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	222.7	4.7			
FM (30°-60°)	1035.7	21.9			
FH (60°-80°)	1085.2	23.0			G1/1800
FVH (80°-90°)	18.2	0.4			G1/100
BL (0°-30°)	222.7	4.7	B1/500		
BM (30°-60°)	1035.7	21.9	B2/2500		
BH (60°-80°)	1085.2	23.0	B3/2500		G1/1800
BVH (80°-90°)	18.2	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	519.4	519.4	519.4	519.4	519.4	519.4	519.4	519.4	519.4	519.4	519.4
2.5°	518.8	518.4	519.1	519.4	518.8	519.1	517.1	517.1	518.1	517.1	518.4
5°	521.1	520.4	521.1	521.1	519.4	519.4	517.1	516.4	517.1	515.4	516.7
7.5°	521.4	520.1	521.1	520.8	519.4	519.4	516.1	514.7	515.1	513.4	514.4
10°	518.1	517.4	518.8	518.1	517.1	517.1	514.4	512.4	512.4	510.7	511.7
12.5°	516.1	515.4	517.1	517.4	516.7	517.1	513.7	511.1	510.1	508.0	508.7
15°	516.1	514.7	517.4	518.1	518.8	521.1	516.1	511.4	509.4	506.7	507.4
17.5°	515.7	515.1	518.1	520.4	521.1	523.8	518.1	513.1	510.7	506.7	507.4
20°	515.7	515.4	519.1	523.4	525.5	527.8	521.8	517.1	513.1	508.7	508.7
22.5°	517.4	517.1	522.1	528.5	534.2	538.2	531.1	523.4	518.1	512.4	511.7
25°	524.4	523.8	529.8	537.5	545.2	549.2	542.2	534.5	526.8	520.4	519.8
27.5°	538.8	538.5	544.5	553.9	559.3	562.3	556.2	549.5	541.9	534.5	534.2
30°	558.3	558.3	565.9	575.7	578.7	581.0	575.0	570.3	562.3	554.2	553.6
32.5°	581.7	583.0	592.1	602.8	604.8	606.1	599.8	596.7	588.0	579.3	578.0
35°	612.5	612.8	623.8	634.6	637.2	638.6	631.2	628.5	620.5	611.1	609.1
37.5°	651.6	650.6	661.0	673.0	675.7	677.4	671.4	669.4	659.3	650.0	646.9
40°	695.5	696.1	707.9	719.2	720.9	721.6	718.6	715.6	706.2	695.5	691.8
42.5°	746.3	746.3	760.1	773.5	773.5	770.1	768.8	768.1	759.1	747.0	743.0
45°	804.6	805.2	822.3	832.4	833.0	824.0	825.3	829.3	820.6	805.2	799.9
47.5°	868.5	869.5	889.6	900.6	898.6	886.9	894.3	896.3	886.2	866.5	859.5
50°	935.8	938.8	961.2	980.6	977.9	960.9	970.6	971.2	954.8	932.1	922.4
52.5°	1008.4	1015.4	1045.2	1066.0	1068.6	1047.2	1055.6	1054.9	1033.8	1002.7	996.3
55°	1098.4	1102.4	1131.9	1161.3	1171.4	1144.9	1154.3	1149.6	1121.2	1085.7	1075.0
57.5°	1188.5	1194.5	1232.3	1265.4	1285.5	1263.1	1265.1	1253.1	1217.2	1174.4	1169.0
60°	1295.2	1297.9	1339.7	1382.9	1417.7	1404.3	1395.0	1369.9	1327.7	1284.8	1277.1
62.5°	1382.6	1387.9	1450.2	1513.8	1572.7	1575.0	1546.6	1509.1	1441.8	1370.2	1354.8
65°	1406.7	1415.4	1502.7	1628.2	1750.7	1805.3	1727.3	1612.8	1462.6	1354.5	1331.4
67.5°	1294.6	1311.3	1436.1	1644.6	1916.4	2080.1	1871.2	1563.6	1353.8	1227.6	1205.5
70°	1006.7	1014.1	1160.7	1446.8	1919.1	2254.8	1813.3	1357.8	1109.8	974.3	941.8
72.5°	534.8	538.5	670.7	974.3	1561.6	1947.9	1498.4	950.2	653.3	530.1	493.0
75°	172.7	177.4	230.9	398.9	861.5	1308.9	883.6	395.3	225.2	181.7	172.0
77.5°	88.0	87.7	97.4	128.5	289.8	641.6	306.6	138.6	97.4	87.4	84.7
80°	54.9	53.9	61.2	70.3	101.4	187.4	110.1	77.6	61.6	52.9	52.5
82.5°	31.1	31.1	41.2	45.2	57.2	77.3	64.3	53.2	42.2	31.5	30.5
85°	17.4	15.4	25.8	28.4	32.8	38.2	39.2	34.5	28.4	17.4	18.1
87.5°	6.4	7.0	12.0	11.4	13.1	9.0	16.1	18.1	16.1	8.4	7.0
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)