

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: P672897

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

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672897  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1B-840-U-RW  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ RW distribution lens  
Light Source: (16) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

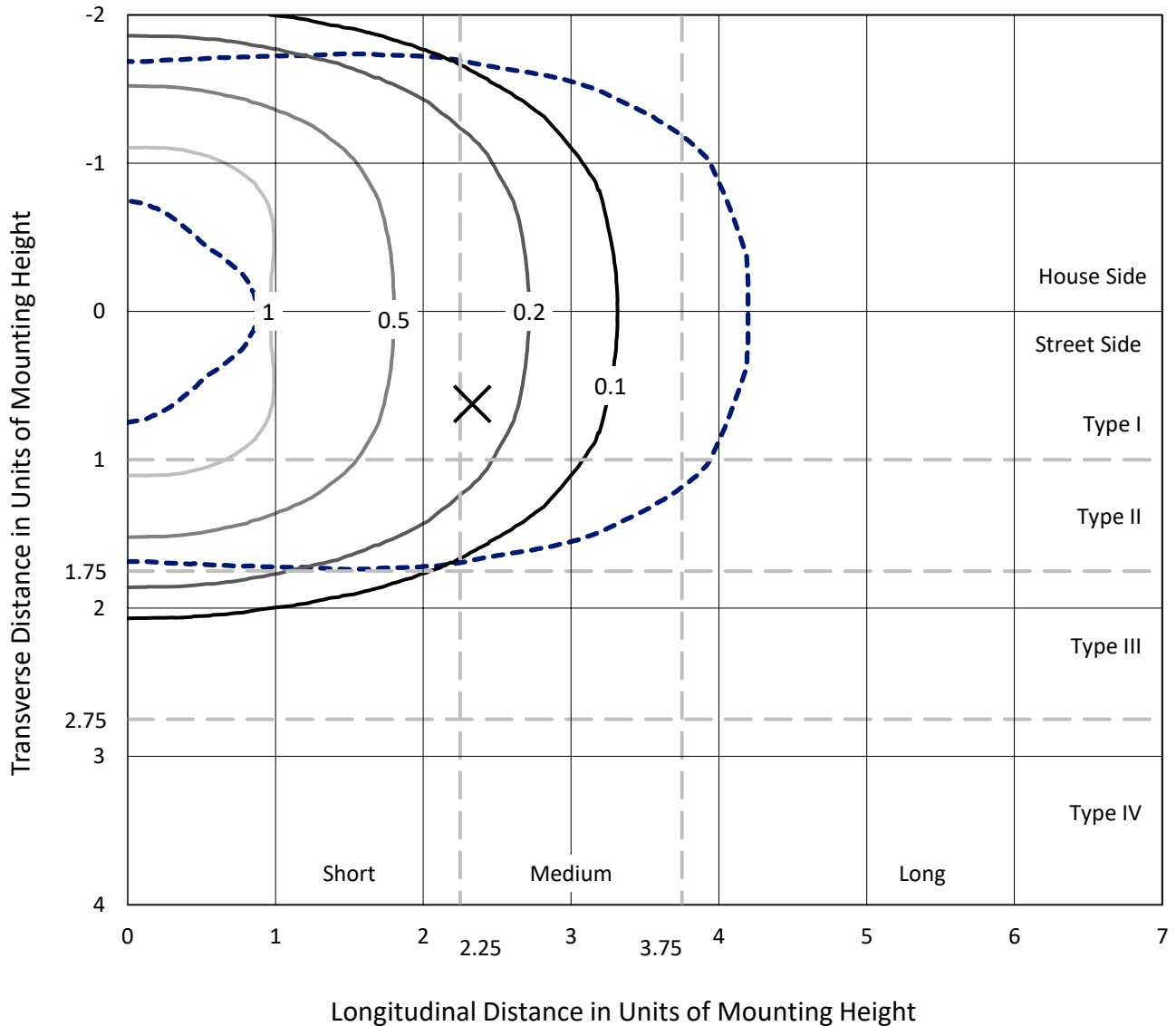
Lumens per Lamp: N/A  
Luminaire Lumens: 2995.3 lumens  
Efficiency: N/A  
Efficacy: 124.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 24  
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

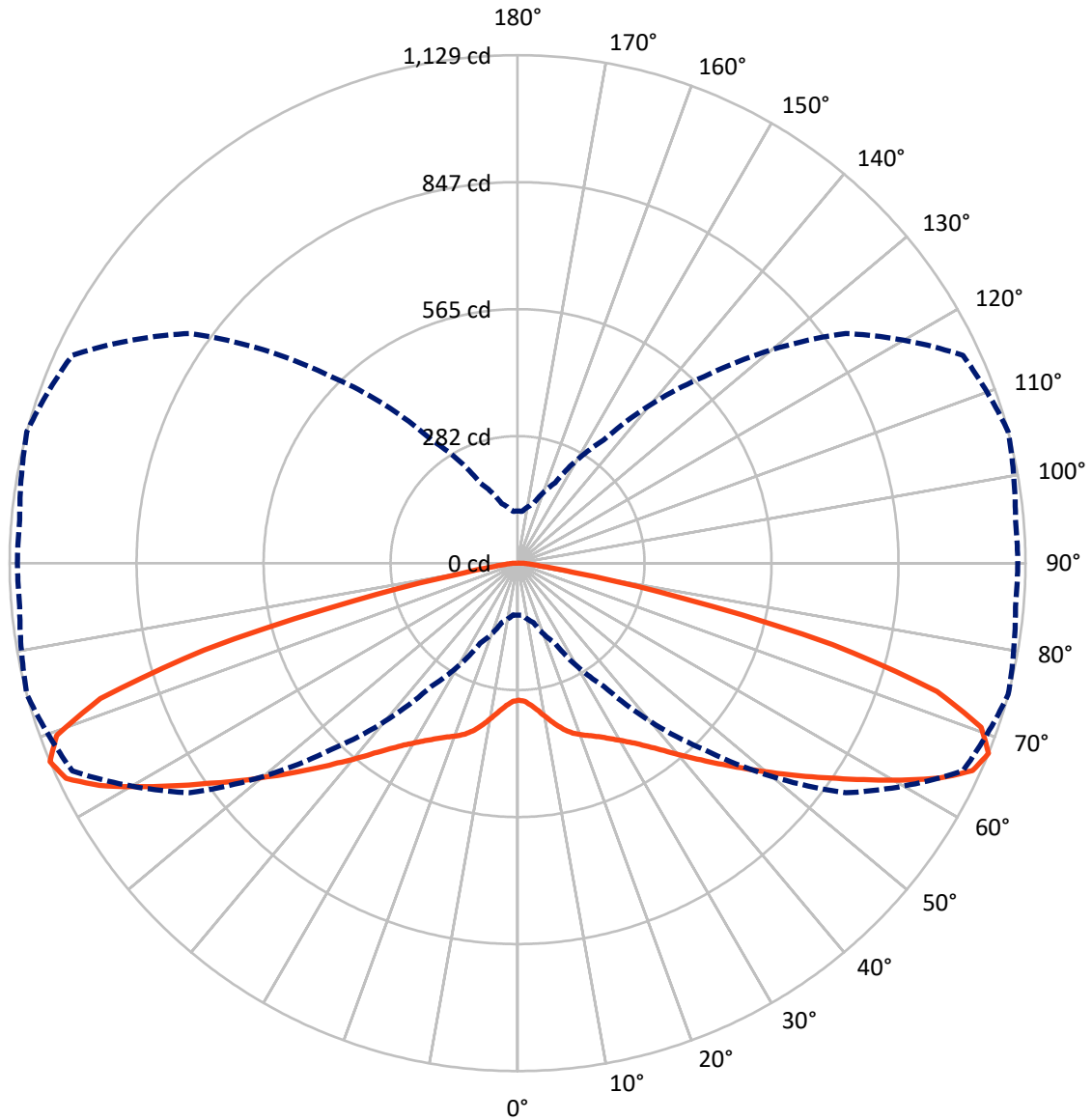
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.6 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
<b>House Side</b>	Lumens	1497.6	0.0	1497.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1497.6	0.0	1497.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2995.3	0.0	2995.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.2	1.0
10°-20°	101.6	3.4
20°-30°	198.4	6.6
30°-40°	342.3	11.4
40°-50°	554.4	18.5
50°-60°	754.0	25.2
60°-70°	695.6	23.2
70°-80°	291.1	9.7
80°-90°	27.8	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°	2995.3	100.0
0°-180°	2995.3	100.0



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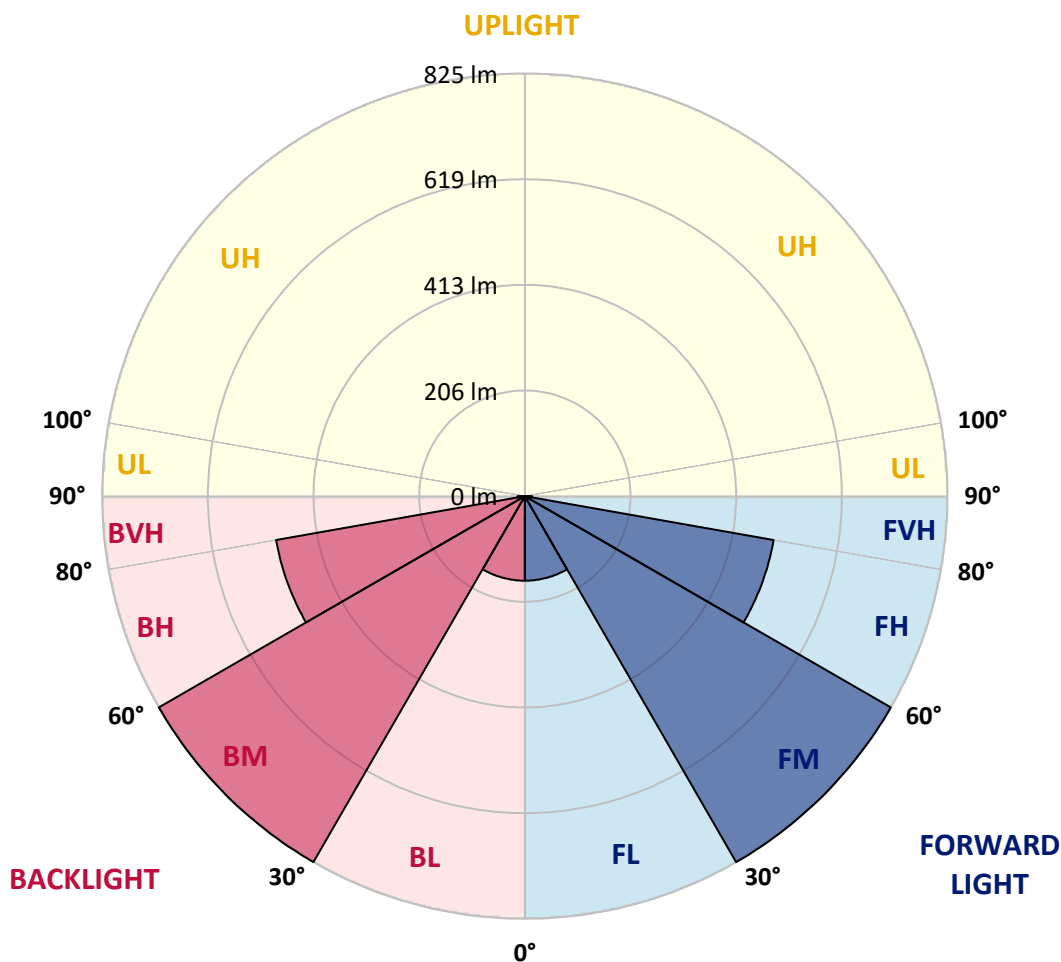
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	165.1	5.5			
FM (30°-60°)	825.3	27.6			
FH (60°-80°)	493.3	16.5			G0/660
FVH (80°-90°)	13.9	0.5			G1/100
BL (0°-30°)	165.1	5.5	B1/500		
BM (30°-60°)	825.3	27.6	B1/1000		
BH (60°-80°)	493.3	16.5	B1/500		G1/500
BVH (80°-90°)	13.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7
2.5°	302.8	302.8	303.6	304.7	305.2	306.0	306.2	306.2	307.5	307.3	307.5
5°	301.9	301.9	303.4	305.4	307.5	310.1	312.7	314.2	317.4	318.1	318.3
7.5°	302.8	303.0	305.2	308.4	312.0	316.8	321.7	325.8	331.2	333.2	334.4
10°	306.0	306.2	309.0	313.6	319.2	326.0	333.2	339.6	348.2	352.1	352.8
12.5°	311.0	311.2	315.3	322.6	330.6	339.2	347.2	355.3	366.1	371.9	373.2
15°	318.5	317.9	324.3	335.1	346.3	357.1	364.2	372.1	383.5	391.1	393.0
17.5°	328.8	329.3	337.2	351.0	364.8	375.8	382.9	387.4	397.3	405.1	407.0
20°	341.8	343.7	353.8	369.8	385.9	397.5	402.5	401.9	407.5	414.1	415.6
22.5°	360.1	361.4	373.6	391.5	410.0	422.1	424.0	416.9	416.7	421.0	423.0
25°	381.6	382.7	395.6	416.3	435.9	448.6	446.6	434.4	427.9	428.1	429.4
27.5°	406.8	409.0	422.3	443.4	463.7	475.3	472.5	454.6	441.9	438.0	437.2
30°	439.5	441.9	455.5	475.7	493.6	503.9	499.6	477.0	458.1	451.6	450.3
32.5°	482.2	482.0	496.0	515.6	528.0	534.7	526.3	500.7	476.8	468.2	466.5
35°	526.1	528.3	542.0	561.0	570.5	570.9	557.6	528.7	500.3	485.4	482.2
37.5°	575.6	576.7	592.7	610.5	616.8	613.3	593.5	561.4	528.7	513.0	507.4
40°	626.5	627.5	646.1	663.3	670.2	662.0	635.9	597.6	562.3	545.1	541.8
42.5°	673.6	676.4	697.1	717.3	724.0	714.5	683.1	637.2	597.8	581.2	576.9
45°	712.8	715.8	739.1	764.9	776.8	769.0	733.5	681.8	638.7	620.9	613.5
47.5°	742.3	746.2	771.0	802.0	825.0	823.5	787.1	729.0	682.7	661.6	654.9
50°	762.6	766.7	793.4	826.7	861.4	873.0	841.6	781.1	731.6	707.9	703.3
52.5°	764.1	767.7	798.3	839.9	886.2	911.8	895.2	836.0	785.4	760.8	757.6
55°	730.5	733.1	773.8	829.1	896.3	941.5	944.1	895.9	842.9	818.1	816.6
57.5°	653.4	657.0	705.7	778.9	879.5	960.7	986.5	958.5	907.9	884.7	883.4
60°	527.8	532.6	588.1	685.5	818.8	955.7	1022.5	1017.3	979.0	956.4	955.5
62.5°	372.3	374.1	432.0	539.2	699.9	903.2	1039.9	1074.6	1052.7	1029.8	1031.1
65°	218.8	221.2	263.6	360.1	530.8	782.4	1009.8	1114.5	1111.7	1090.8	1092.9
67.5°	115.6	115.6	137.0	196.8	333.8	585.8	889.8	1092.5	1129.1	1110.8	1111.9
70°	79.9	79.7	83.6	98.8	161.3	363.1	665.7	977.5	1093.6	1086.7	1089.5
72.5°	67.6	67.2	67.4	69.6	82.1	164.1	404.2	752.9	974.9	985.5	987.8
75°	59.2	58.6	58.1	57.7	58.8	74.5	184.3	464.5	722.7	789.1	787.8
77.5°	51.0	50.6	50.2	48.7	46.9	48.9	75.4	208.9	371.7	438.7	433.9
80°	42.0	42.0	42.6	40.5	37.3	36.0	45.0	78.0	123.4	128.8	118.4
82.5°	32.9	32.9	36.2	33.2	29.3	26.1	31.2	41.6	50.2	40.7	33.2
85°	23.3	23.5	30.1	27.6	22.6	15.1	19.4	24.8	28.2	17.9	14.0
87.5°	9.5	10.1	18.7	14.9	14.2	7.5	9.0	11.0	14.0	7.5	6.0
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)