

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: P674870

Luminaire Tested: **CCW-SA-1D-827-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674870
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1D-827-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
T2 distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

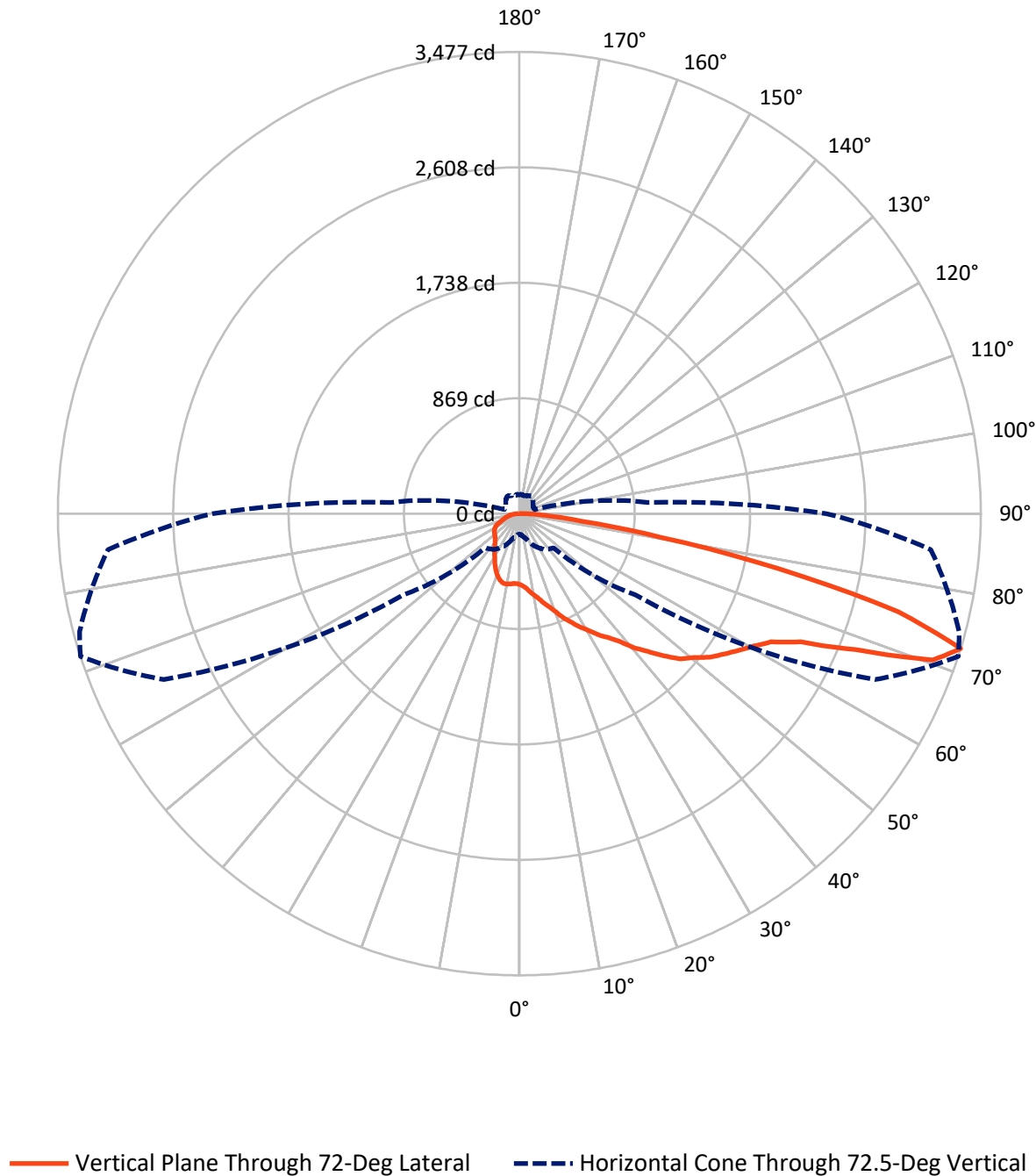
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4089.3 lumens
Efficiency: N/A
Efficacy: 92.9 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): 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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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	860.6	0.0	860.6
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	3228.7	0.0	3228.7
	% Fixture	79.0	0.0	79.0
Total	Lumens	4089.3	0.0	4089.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.8	1.3
10°-20°	164.1	4.0
20°-30°	284.0	6.9
30°-40°	419.4	10.3
40°-50°	623.7	15.3
50°-60°	855.1	20.9
60°-70°	927.6	22.7
70°-80°	653.9	16.0
80°-90°	108.7	2.7
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°	4089.3	100.0
0°-180°	4089.3	100.0

Coefficient of Utilization



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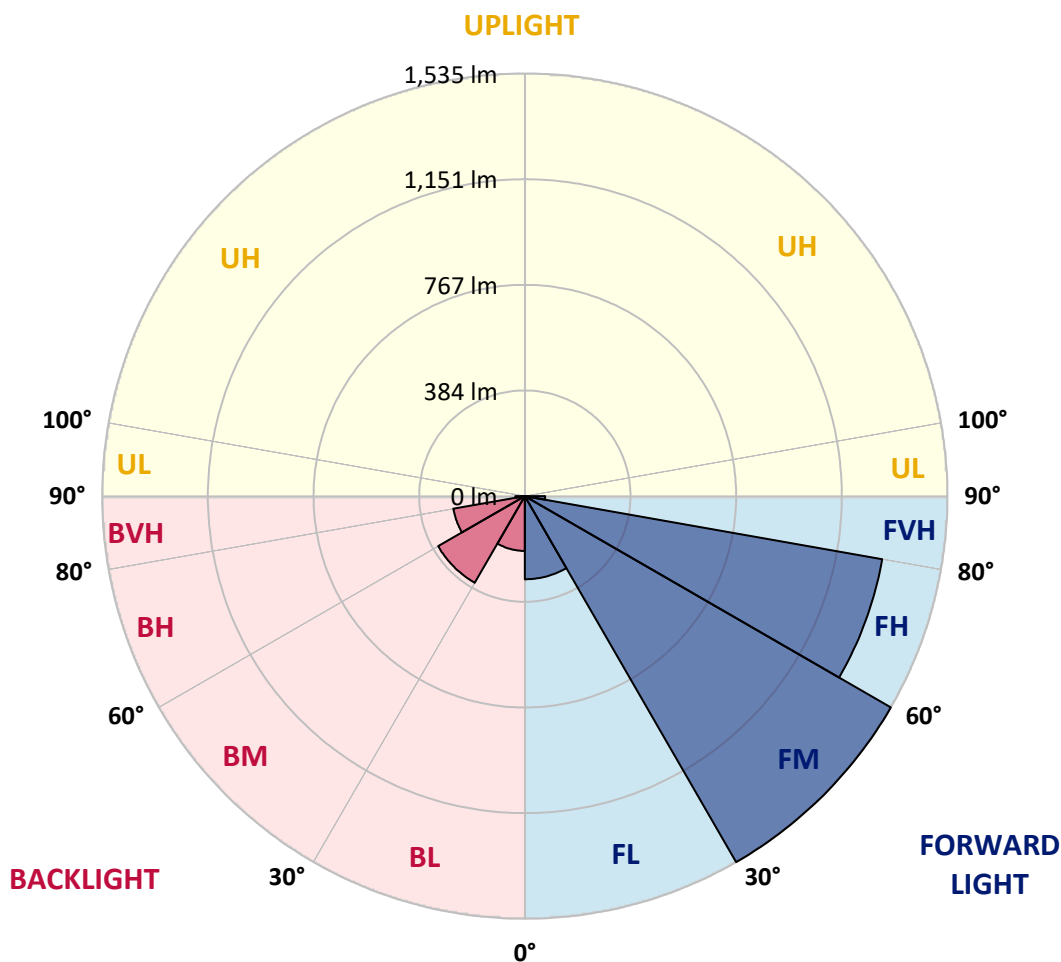
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	302.0	7.4			
FM	(30°-60°)	1534.8	37.5			
FH	(60°-80°)	1317.9	32.2			G1/1800
FVH	(80°-90°)	74.1	1.8			G1/100
BL	(0°-30°)	198.9	4.9	B1/500		
BM	(30°-60°)	363.5	8.9	B1/1000		
BH	(60°-80°)	263.6	6.4	B1/500		G1/500
BVH	(80°-90°)	34.6	0.8			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°	72°	75°	85°
0°	534.2	534.2	534.2	534.2	534.2	534.2	534.2	534.2	534.2	534.2	534.2
2.5°	576.4	576.4	571.9	570.4	570.4	558.3	559.8	552.3	546.3	546.3	540.2
5°	606.6	603.6	603.6	603.6	596.1	591.5	590.0	576.4	565.9	567.4	549.3
7.5°	614.2	615.7	617.2	624.7	620.2	623.2	620.2	605.1	597.6	590.0	573.4
10°	618.7	621.7	621.7	632.3	632.3	639.8	644.3	638.3	624.7	617.2	590.0
12.5°	629.2	624.7	630.8	638.3	645.8	659.4	673.0	667.0	657.9	648.9	618.7
15°	629.2	630.8	635.3	647.4	659.4	673.0	697.2	706.2	701.7	685.1	653.4
17.5°	611.1	606.6	627.7	650.4	673.0	689.6	721.3	742.4	739.4	733.4	685.1
20°	612.6	617.2	624.7	644.3	680.6	710.7	750.0	784.7	792.2	789.2	727.3
22.5°	639.8	641.3	648.9	657.9	686.6	725.8	784.7	840.5	854.1	846.5	774.1
25°	667.0	679.0	679.0	685.1	695.6	736.4	807.3	885.8	905.4	906.9	822.4
27.5°	710.7	713.8	722.8	725.8	734.9	759.0	833.0	919.0	964.2	958.2	866.2
30°	762.0	763.5	769.6	766.6	768.1	798.3	857.1	956.7	1018.6	1020.1	912.9
32.5°	822.4	834.5	837.5	817.9	820.9	828.4	894.8	1002.0	1086.5	1075.9	953.7
35°	911.4	916.0	906.9	897.8	875.2	870.7	934.1	1047.2	1145.3	1157.4	1014.0
37.5°	1021.6	1033.7	1021.6	973.3	949.2	931.0	982.4	1097.0	1216.2	1257.0	1074.4
40°	1124.2	1122.7	1110.6	1066.9	1024.6	1011.0	1051.8	1166.4	1326.4	1365.6	1161.9
42.5°	1207.2	1202.7	1195.1	1161.9	1122.7	1100.1	1131.7	1238.9	1418.5	1493.9	1263.0
45°	1279.6	1273.6	1275.1	1237.4	1199.6	1211.7	1211.7	1321.9	1527.1	1620.7	1379.2
47.5°	1347.5	1350.5	1346.0	1317.3	1288.7	1320.4	1303.8	1416.9	1634.2	1738.4	1477.3
50°	1426.0	1432.0	1416.9	1398.8	1373.2	1404.9	1383.7	1506.0	1703.6	1845.5	1595.0
52.5°	1499.9	1506.0	1519.6	1496.9	1471.3	1496.9	1448.6	1589.0	1795.7	1949.6	1685.5
55°	1518.0	1515.0	1590.5	1614.6	1628.2	1551.2	1506.0	1659.9	1868.1	2016.0	1788.2
57.5°	1435.0	1442.6	1545.2	1614.6	1759.5	1693.1	1570.9	1742.9	1943.6	2103.5	1883.2
60°	1228.3	1232.8	1361.1	1525.6	1736.8	1825.9	1745.9	1850.0	2026.6	2177.5	1990.4
62.5°	820.9	855.6	1015.5	1273.6	1576.9	1862.1	2025.1	2031.1	2127.7	2271.0	2136.7
65°	433.1	449.7	574.9	783.2	1195.1	1736.8	2287.6	2390.2	2329.9	2443.1	2348.0
67.5°	283.7	289.7	357.6	475.3	689.6	1267.6	2317.8	3013.5	2735.8	2770.5	2686.0
70°	211.3	214.3	264.1	351.6	427.0	677.5	1899.8	3304.7	3303.2	3211.1	3087.4
72.5°	155.4	160.0	194.7	268.6	329.0	365.2	1068.4	2956.1	3476.7	3429.9	3111.5
75°	122.2	125.2	143.4	208.2	265.6	239.9	541.7	2189.5	2948.6	3173.4	2847.5
77.5°	99.6	102.6	113.2	150.9	212.8	185.6	259.5	1412.4	1999.4	2284.6	2179.0
80°	83.0	83.0	90.5	107.1	164.5	140.3	153.9	793.7	1077.4	1189.1	988.4
82.5°	70.9	69.4	75.4	78.5	122.2	101.1	99.6	359.1	473.8	502.5	371.2
85°	45.3	46.8	70.9	67.9	80.0	69.4	55.8	170.5	223.3	227.9	138.8
87.5°	18.1	18.1	30.2	37.7	45.3	42.3	27.2	77.0	98.1	98.1	39.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	534.2	534.2	534.2	534.2	534.2	534.2	534.2	534.2	534.2	534.2	534.2
2.5°	538.7	532.7	528.1	525.1	517.6	510.0	511.5	510.0	504.0	501.0	501.0
5°	544.7	538.7	531.2	519.1	511.5	502.5	505.5	499.5	493.4	498.0	490.4
7.5°	559.8	549.3	538.7	520.6	508.5	494.9	488.9	485.9	481.4	478.3	478.3
10°	581.0	565.9	546.3	519.1	499.5	478.3	475.3	469.3	464.8	464.8	463.3
12.5°	602.1	585.5	552.3	508.5	475.3	460.2	458.7	460.2	463.3	464.8	466.3
15°	629.2	602.1	550.8	488.9	455.7	449.7	457.2	463.3	469.3	475.3	473.8
17.5°	654.9	623.2	537.2	464.8	439.1	440.6	454.2	466.3	478.3	484.4	485.9
20°	689.6	642.8	517.6	436.1	422.5	436.1	454.2	469.3	482.9	490.4	491.9
22.5°	728.8	665.5	491.9	410.4	408.9	422.5	440.6	463.3	478.3	491.9	490.4
25°	763.5	680.6	458.7	389.3	392.3	401.4	422.5	446.7	461.8	476.8	472.3
27.5°	786.2	683.6	424.0	374.2	374.2	383.3	402.9	418.0	431.6	443.6	445.2
30°	811.8	677.5	384.8	354.6	354.6	366.7	374.2	383.3	390.8	393.8	396.9
32.5°	842.0	664.0	360.6	339.5	339.5	348.6	353.1	350.1	348.6	341.0	345.6
35°	870.7	644.3	333.5	319.9	325.9	330.5	329.0	319.9	310.9	297.3	292.7
37.5°	905.4	624.7	309.3	298.8	309.3	310.9	310.9	300.3	288.2	271.6	271.6
40°	958.2	609.6	289.7	285.2	295.8	294.3	286.7	279.2	283.7	274.6	274.6
42.5°	1014.0	603.6	271.6	273.1	277.7	279.2	271.6	262.6	280.7	270.1	271.6
45°	1083.5	608.1	259.5	258.0	268.6	267.1	262.6	255.0	261.1	233.9	226.3
47.5°	1148.3	617.2	253.5	247.5	259.5	262.6	256.5	239.9	230.9	214.3	211.3
50°	1207.2	636.8	247.5	235.4	247.5	253.5	242.9	224.8	214.3	203.7	203.7
52.5°	1263.0	665.5	244.5	221.8	232.4	239.9	233.9	215.8	203.7	199.2	194.7
55°	1320.4	691.1	239.9	212.8	215.8	230.9	229.4	205.2	193.2	193.2	191.6
57.5°	1401.9	725.8	233.9	197.7	203.7	220.3	220.3	200.7	187.1	188.6	190.1
60°	1484.8	766.6	227.9	182.6	187.1	209.7	212.8	194.7	182.6	184.1	182.6
62.5°	1617.6	842.0	215.8	164.5	173.5	196.2	203.7	187.1	176.6	179.6	179.6
65°	1818.3	971.8	190.1	149.4	160.0	184.1	194.7	179.6	167.5	176.6	173.5
67.5°	2141.3	1149.8	160.0	137.3	150.9	172.0	184.1	170.5	160.0	173.5	169.0
70°	2431.0	1237.4	137.3	126.8	137.3	158.4	172.0	161.5	150.9	164.5	158.4
72.5°	2313.3	970.3	119.2	114.7	125.2	143.4	160.0	149.4	138.8	146.4	140.3
75°	1996.4	772.6	104.1	102.6	111.7	129.8	146.4	138.8	128.3	131.3	128.3
77.5°	1513.5	638.3	89.0	87.5	95.1	116.2	131.3	125.2	114.7	113.2	113.2
80°	676.0	313.9	73.9	73.9	78.5	99.6	111.7	108.6	98.1	96.6	95.1
82.5°	221.8	119.2	60.4	57.3	63.4	83.0	99.6	96.6	86.0	83.0	80.0
85°	89.0	57.3	43.8	43.8	49.8	69.4	89.0	83.0	69.4	61.9	61.9
87.5°	30.2	24.1	22.6	22.6	31.7	46.8	66.4	55.8	49.8	43.8	45.3
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)