

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: STREETWORKS

Report Number: P635894

Luminaire Tested: **IFLD-L-SA8C-930-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635894
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-930-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (128) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

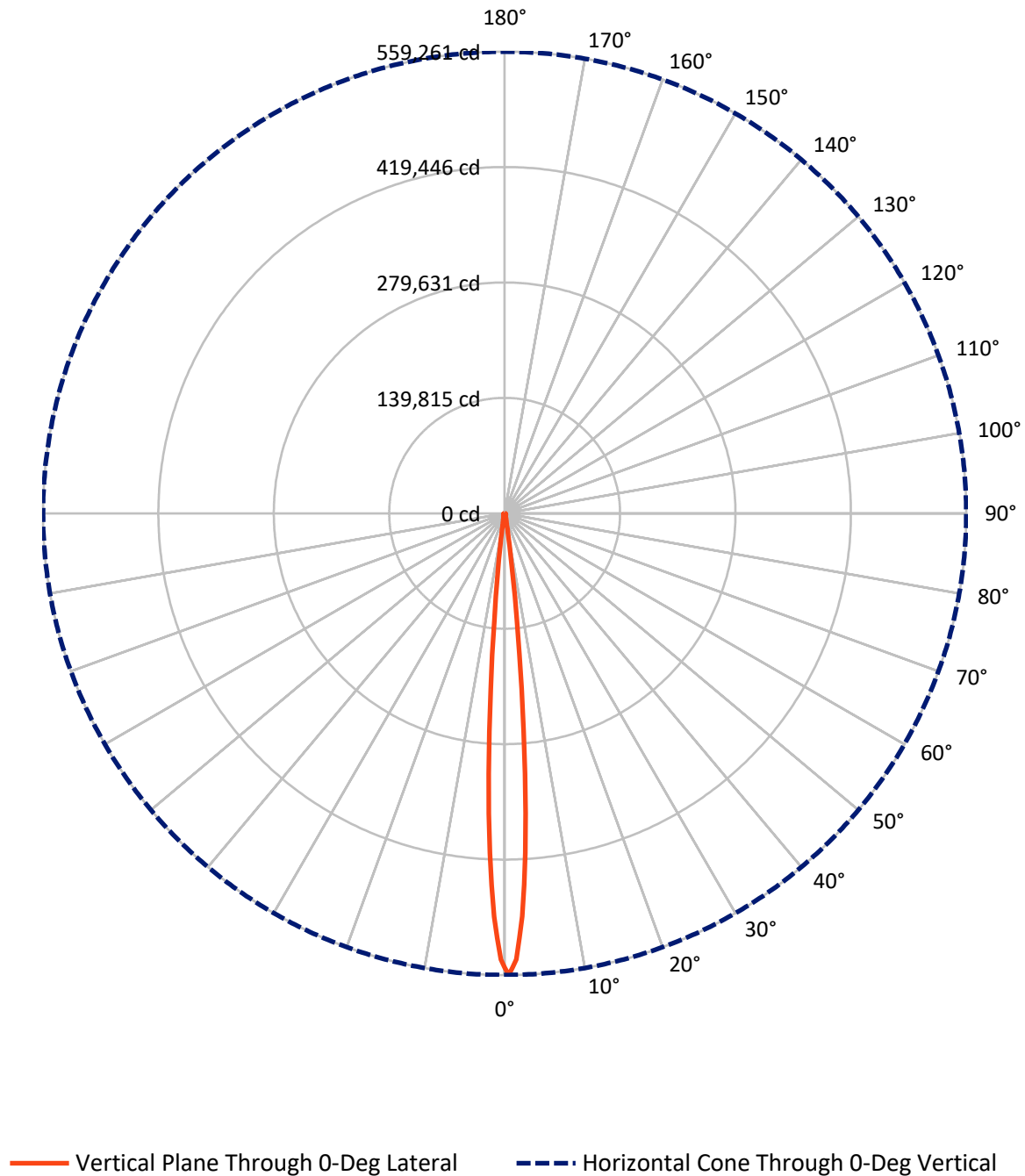
Lumens per Lamp: N/A
Luminaire Lumens: 23810.3 lumens
Efficiency: N/A
Efficacy: 56.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 420.3
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	11905.2	0.0	11905.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11905.2	0.0	11905.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	23810.3	0.0	23810.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15028.5	63.1
10°-20°	1857.3	7.8
20°-30°	1112.8	4.7
30°-40°	1196.5	5.0
40°-50°	1608.9	6.8
50°-60°	1434.2	6.0
60°-70°	947.3	4.0
70°-80°	469.7	2.0
80°-90°	155.1	0.7
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°	23810.3	100.0
0°-180°	23810.3	100.0

Coefficient of Utilization



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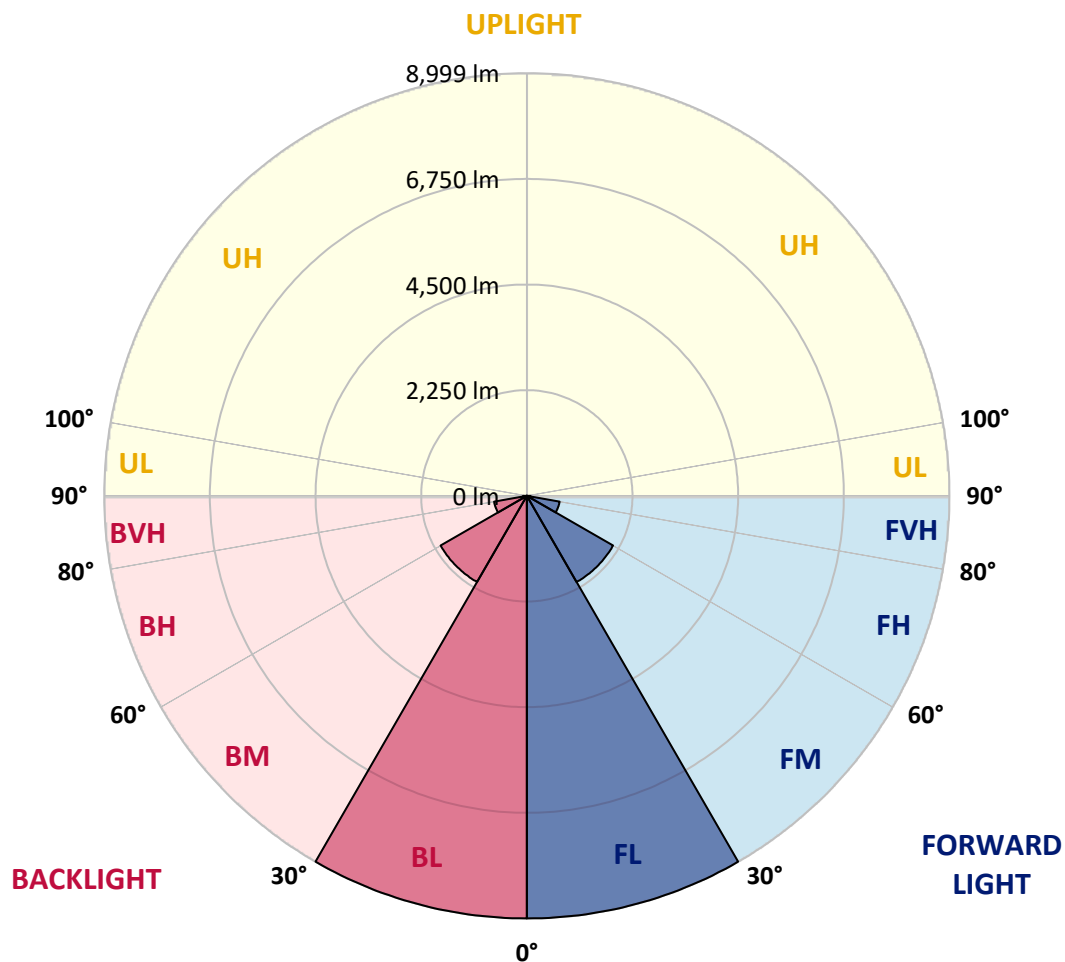
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8999.3	37.8			
FM	(30°-60°)	2119.8	8.9			
FH	(60°-80°)	708.5	3.0			G1/1800
FVH	(80°-90°)	77.5	0.3			G1/100
BL	(0°-30°)	8999.3	37.8	B5		
BM	(30°-60°)	2119.8	8.9	B2/2500		
BH	(60°-80°)	708.5	3.0	B2/1000		G1/1800
BVH	(80°-90°)	77.5	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	559261.1	559261.1	559261.1	559261.1	559261.1	559261.1	559261.1	559261.1	559261.1	559261.1
1°	540515.6	534967.6	537821.1	540548.5	544373.3	546058.0	547775.6	549059.7	549037.8	551156.0
2°	488893.9	479954.6	484097.8	489179.3	499007.5	501828.1	506541.9	512375.2	512731.9	518011.0
3°	412078.8	399528.7	405630.9	414679.9	430972.5	435187.0	442743.4	448077.3	445695.7	451874.7
4°	316216.2	299841.3	309164.7	322559.9	338419.0	354508.6	354826.9	358651.7	350799.0	350420.3
5°	213340.6	198902.8	210865.7	227619.3	241321.8	252565.8	259491.1	259968.6	251479.3	250705.5
6°	130116.0	120562.1	130972.0	148702.4	167683.9	172359.4	173418.5	171014.9	159880.6	153718.1
7°	71914.7	68018.5	78192.5	88772.6	103572.6	110415.6	105679.8	97997.2	94589.4	87252.5
8°	39658.7	37738.1	40641.0	49783.3	61268.8	65763.1	61192.0	53213.1	47467.6	45437.2
9°	23909.4	22844.8	24030.1	27509.2	32470.0	35586.9	32969.4	29040.3	26614.8	25939.8
10°	15881.1	15464.0	15968.9	17143.2	18926.7	19837.6	19184.6	17626.1	16890.8	16846.9
12.5°	8335.6	8258.8	8385.0	8516.7	8824.0	8873.4	8758.2	8648.4	8478.3	8544.2
15°	5366.9	5295.5	5427.2	5597.3	5674.2	5723.5	5729.0	5668.7	5553.4	5498.6
17.5°	3912.6	3929.1	3940.1	4038.9	4187.0	4302.3	4252.9	4187.0	4055.3	3989.5
20°	3221.2	3226.7	3248.6	3303.5	3352.9	3512.1	3462.7	3363.9	3237.7	3188.3
22.5°	2754.8	2765.7	2776.7	2809.6	2820.6	2864.5	2870.0	2782.2	2710.9	2683.4
25°	2425.5	2425.5	2442.0	2469.4	2480.4	2447.5	2452.9	2414.5	2348.7	2315.8
27.5°	2057.8	2068.8	2085.3	2096.3	2074.3	2035.9	1986.5	2019.4	1986.5	1909.7
30°	1832.9	1843.8	1893.2	1860.3	1810.9	1761.5	1734.1	1778.0	1783.5	1717.6
32.5°	1816.4	1821.9	1838.3	1821.9	1761.5	1701.1	1662.7	1712.1	1723.1	1695.7
35°	1898.7	1882.2	1904.2	1915.2	1854.8	1789.0	1739.6	1783.5	1816.4	1827.4
37.5°	2299.3	2206.0	2134.7	2112.7	2074.3	2030.4	1964.6	1975.5	2035.9	2090.8
40°	2189.5	2167.6	2140.2	2068.8	1997.5	2052.4	1975.5	1953.6	2090.8	2101.7
42.5°	2173.1	2189.5	2167.6	2079.8	2008.5	2063.3	2046.9	1981.0	2118.2	2101.7
45°	2184.1	2200.5	2249.9	2101.7	2041.4	2068.8	2101.7	2030.4	2167.6	2112.7
47.5°	2096.3	2118.2	2173.1	2090.8	2052.4	2046.9	2096.3	2030.4	2101.7	2096.3
50°	1981.0	2003.0	2019.4	1948.1	2019.4	1981.0	1986.5	1959.1	1959.1	1970.0
52.5°	1832.9	1854.8	1871.3	1789.0	1832.9	1849.3	1783.5	1778.0	1728.6	1745.1
55°	1651.8	1684.7	1701.1	1668.2	1646.3	1679.2	1585.9	1574.9	1476.2	1481.6
57.5°	1443.2	1476.2	1492.6	1531.0	1514.6	1448.7	1393.8	1349.9	1240.2	1196.3
60°	1487.1	1520.1	1487.1	1377.4	1377.4	1229.2	1179.8	1086.5	976.8	921.9
62.5°	1437.7	1481.6	1476.2	1360.9	1223.7	1037.2	949.4	850.6	740.8	669.5
65°	1355.4	1399.3	1377.4	1300.6	1168.9	889.0	757.3	658.5	521.3	504.9
67.5°	1218.2	1284.1	1240.2	1190.8	1086.5	806.7	603.6	493.9	378.6	378.6
70°	1009.7	1059.1	1086.5	1031.7	971.3	757.3	515.8	378.6	274.4	208.5
72.5°	812.2	856.1	900.0	872.5	817.6	685.9	461.0	301.8	197.6	120.7
75°	450.0	466.4	482.9	548.8	625.6	559.7	422.5	263.4	164.6	93.3
77.5°	345.7	362.2	400.6	367.7	340.2	433.5	461.0	307.3	142.7	65.9
80°	268.9	290.8	411.6	340.2	290.8	329.3	395.1	268.9	93.3	32.9
82.5°	203.0	219.5	290.8	323.8	307.3	246.9	214.0	181.1	82.3	22.0
85°	148.2	170.1	203.0	181.1	175.6	175.6	236.0	159.1	60.4	16.5
87.5°	87.8	87.8	93.3	87.8	82.3	82.3	93.3	76.8	38.4	11.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

559261.1
546897.6
513346.5
445267.6
348752.1
247572.1
154255.8
83806.3
43593.3
25023.4
16325.5
8297.2
5410.8
3918.1
3133.4
2650.5
2288.3
1915.2
1695.7
1679.2
1827.4
2140.2
2118.2
2090.8
2096.3
2085.3
1931.6
1717.6
1443.2
1168.9
878.0
658.5
504.9
334.7
186.6
115.2
82.3
32.9
22.0
16.5
11.0
11.0
0.0

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