

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: P635919

Luminaire Tested: **IFLD-L-SA7D-935-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635919
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-935-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (112) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23784.1 lumens
Efficiency: N/A
Efficacy: 56.3 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): 422.6
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



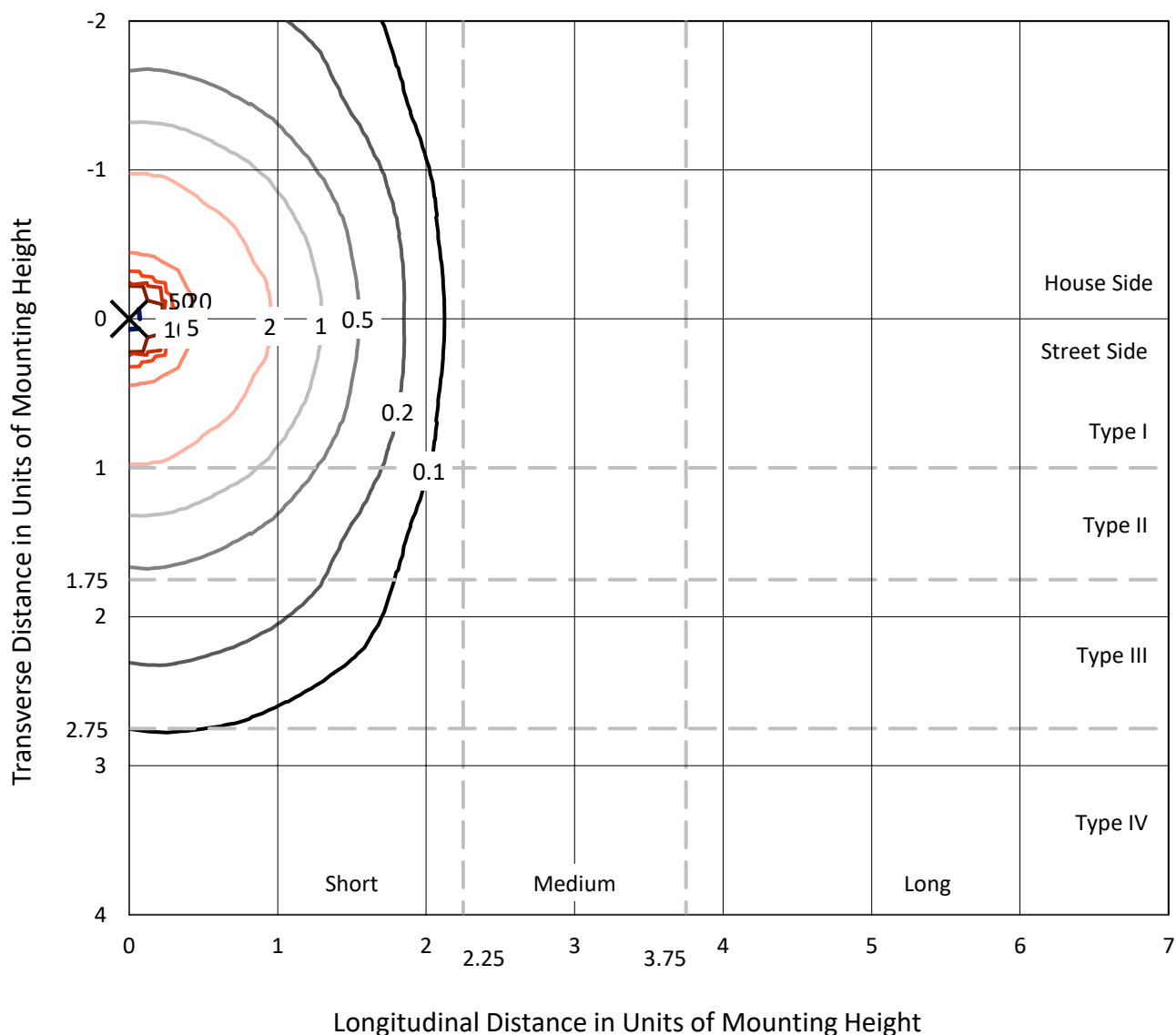
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

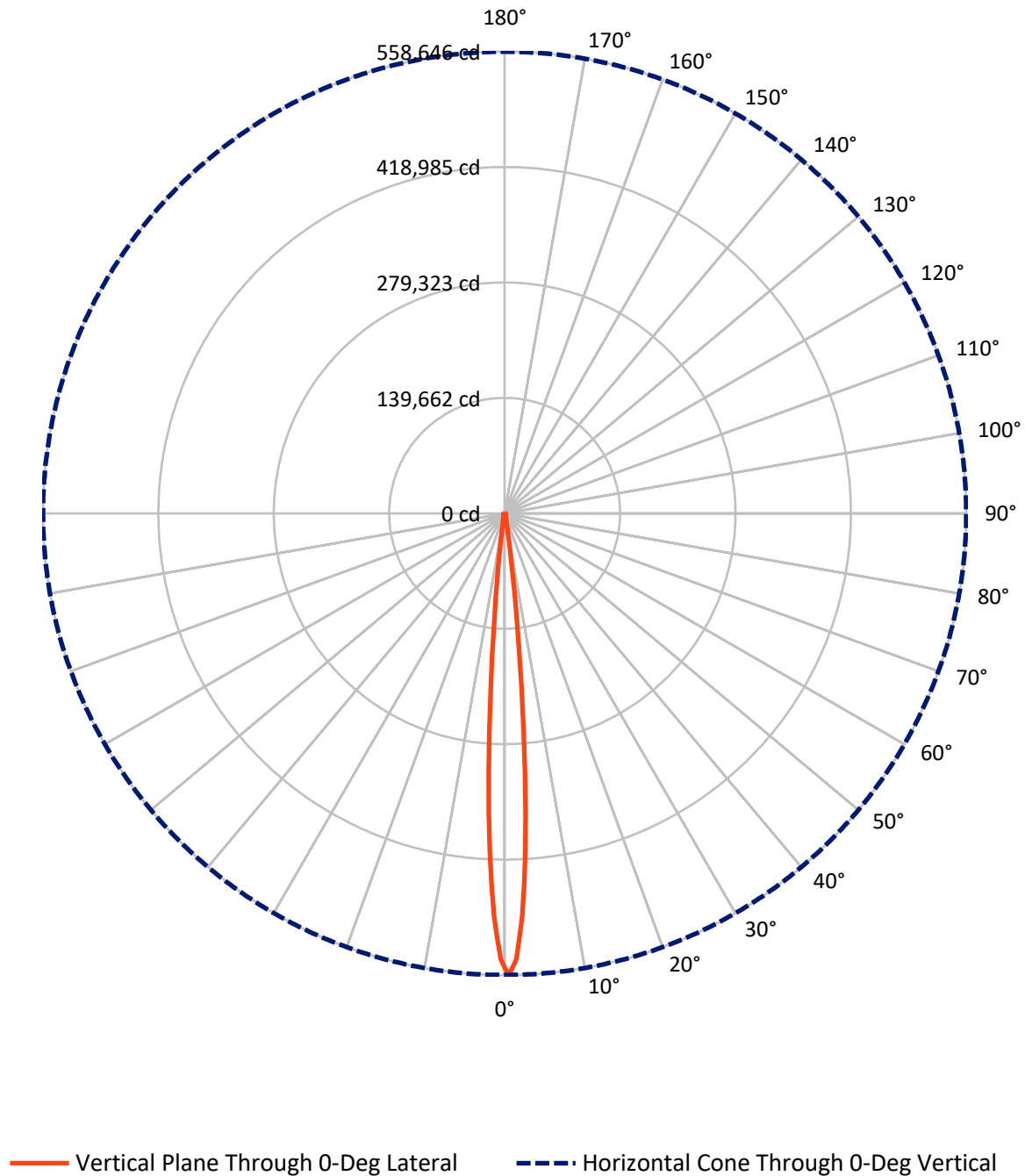


Based on 20 foot mounting height. Maximum calculated value = 1396.6 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11892.1	0.0	11892.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11892.1	0.0	11892.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	23784.1	0.0	23784.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15012.0	63.1
10°-20°	1855.3	7.8
20°-30°	1111.6	4.7
30°-40°	1195.2	5.0
40°-50°	1607.1	6.8
50°-60°	1432.6	6.0
60°-70°	946.3	4.0
70°-80°	469.2	2.0
80°-90°	154.9	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°	23784.1	100.0
0°-180°	23784.1	100.0

Coefficient of Utilization



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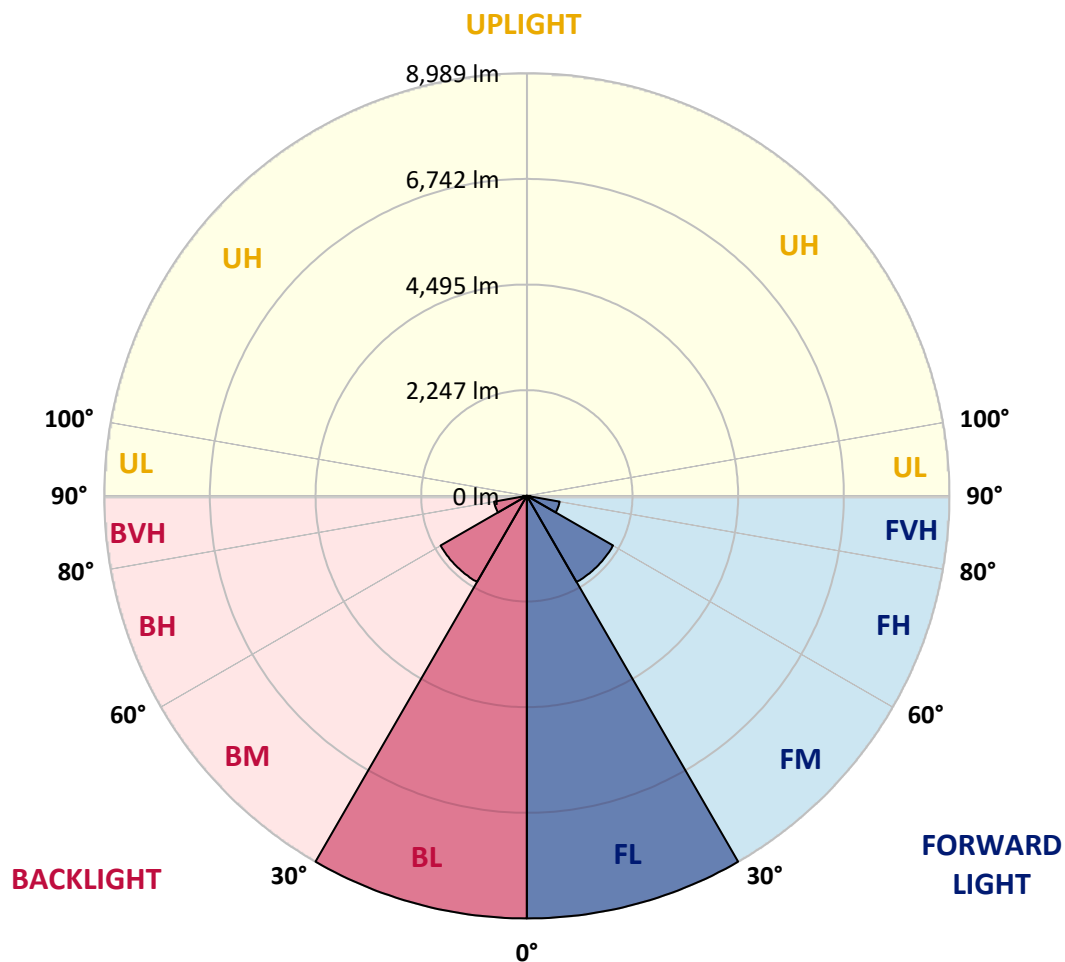
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8989.4	37.8			
FM	(30°-60°)	2117.5	8.9			
FH	(60°-80°)	707.7	3.0			G1/1800
FVH	(80°-90°)	77.4	0.3			G1/100
BL	(0°-30°)	8989.4	37.8	B5		
BM	(30°-60°)	2117.5	8.9	B2/2500		
BH	(60°-80°)	707.7	3.0	B2/1000		G1/1800
BVH	(80°-90°)	77.4	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°	558646.4	558646.4	558646.4	558646.4	558646.4	558646.4	558646.4	558646.4	558646.4	558646.4
1°	539921.4	534379.6	537230.0	539954.3	543775.0	545457.8	547173.5	548456.2	548434.3	550550.2
2°	488356.5	479427.1	483565.6	488641.6	498459.0	501276.5	505985.2	511812.1	512168.4	517441.6
3°	411625.8	399089.5	405185.0	414224.1	430498.8	434708.6	442256.7	447584.8	445205.8	451378.0
4°	315868.7	299511.7	308824.9	322205.3	338047.0	354118.9	354436.8	358257.5	350413.4	350035.2
5°	213106.1	198684.2	210633.9	227369.1	241056.5	252288.2	259205.9	259682.8	251202.9	250430.0
6°	129973.0	120429.6	130828.1	148539.0	167499.6	172169.9	173227.9	170826.9	159704.9	153549.1
7°	71835.7	67943.8	78106.6	88675.0	103458.7	110294.2	105563.6	97889.5	94485.4	87156.6
8°	39615.1	37696.6	40596.3	49728.6	61201.5	65690.9	61124.7	53154.6	47415.4	45387.2
9°	23883.1	22819.7	24003.7	27479.0	32434.3	35547.8	32933.1	29008.3	26585.5	25911.3
10°	15863.6	15447.0	15951.3	17124.4	18905.9	19815.8	19163.5	17606.7	16872.2	16828.3
12.5°	8326.5	8249.7	8375.8	8507.4	8814.3	8863.7	8748.5	8638.9	8469.0	8534.8
15°	5361.0	5289.7	5421.3	5591.2	5667.9	5717.3	5722.7	5662.4	5547.3	5492.5
17.5°	3908.3	3924.8	3935.8	4034.4	4182.4	4297.5	4248.2	4182.4	4050.9	3985.1
20°	3217.7	3223.1	3245.1	3299.9	3349.2	3508.2	3458.9	3360.2	3234.1	3184.8
22.5°	2751.7	2762.7	2773.7	2806.6	2817.5	2861.4	2866.8	2779.1	2707.9	2680.5
25°	2422.8	2422.8	2439.3	2466.7	2477.7	2444.8	2450.3	2411.9	2346.1	2313.2
27.5°	2055.6	2066.5	2083.0	2094.0	2072.0	2033.7	1984.3	2017.2	1984.3	1907.6
30°	1830.8	1841.8	1891.1	1858.2	1808.9	1759.6	1732.2	1776.0	1781.5	1715.7
32.5°	1814.4	1819.9	1836.3	1819.9	1759.6	1699.3	1660.9	1710.2	1721.2	1693.8
35°	1896.6	1880.2	1902.1	1913.1	1852.8	1787.0	1737.7	1781.5	1814.4	1825.4
37.5°	2296.8	2203.6	2132.3	2110.4	2072.0	2028.2	1962.4	1973.4	2033.7	2088.5
40°	2187.1	2165.2	2137.8	2066.5	1995.3	2050.1	1973.4	1951.4	2088.5	2099.4
42.5°	2170.7	2187.1	2165.2	2077.5	2006.2	2061.1	2044.6	1978.8	2115.9	2099.4
45°	2181.7	2198.1	2247.4	2099.4	2039.1	2066.5	2099.4	2028.2	2165.2	2110.4
47.5°	2094.0	2115.9	2170.7	2088.5	2050.1	2044.6	2094.0	2028.2	2099.4	2094.0
50°	1978.8	2000.8	2017.2	1945.9	2017.2	1978.8	1984.3	1956.9	1956.9	1967.9
52.5°	1830.8	1852.8	1869.2	1787.0	1830.8	1847.3	1781.5	1776.0	1726.7	1743.1
55°	1649.9	1682.8	1699.3	1666.4	1644.5	1677.4	1584.2	1573.2	1474.5	1480.0
57.5°	1441.6	1474.5	1491.0	1529.4	1512.9	1447.1	1392.3	1348.5	1238.8	1195.0
60°	1485.5	1518.4	1485.5	1375.9	1375.9	1227.9	1178.5	1085.3	975.7	920.9
62.5°	1436.2	1480.0	1474.5	1359.4	1222.4	1036.0	948.3	849.6	740.0	668.7
65°	1353.9	1397.8	1375.9	1299.1	1167.6	888.0	756.5	657.8	520.7	504.3
67.5°	1216.9	1282.7	1238.8	1189.5	1085.3	805.8	603.0	493.3	378.2	378.2
70°	1008.6	1057.9	1085.3	1030.5	970.2	756.5	515.3	378.2	274.1	208.3
72.5°	811.3	855.1	899.0	871.6	816.8	685.2	460.4	301.5	197.3	120.6
75°	449.5	465.9	482.4	548.2	624.9	559.1	422.1	263.1	164.4	93.2
77.5°	345.3	361.8	400.2	367.3	339.9	433.0	460.4	307.0	142.5	65.8
80°	268.6	290.5	411.1	339.9	290.5	328.9	394.7	268.6	93.2	32.9
82.5°	202.8	219.3	290.5	323.4	307.0	246.7	213.8	180.9	82.2	21.9
85°	148.0	169.9	202.8	180.9	175.4	175.4	235.7	159.0	60.3	16.4
87.5°	87.7	87.7	93.2	87.7	82.2	82.2	93.2	76.7	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°

558646.4

546296.5

512782.3

444778.2

348368.8

247300.0

154086.3

83714.2

43545.4

24995.9

16307.6

8288.1

5404.8

3913.8

3130.0

2647.6

2285.8

1913.1

1693.8

1677.4

1825.4

2137.8

2115.9

2088.5

2094.0

2083.0

1929.5

1715.7

1441.6

1167.6

877.0

657.8

504.3

334.4

186.4

115.1

82.2

32.9

21.9

16.4

11.0

11.0

0.0

OF REPORT)