

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: P635921

Luminaire Tested: **IFLD-L-SA8A-935-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635921
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-935-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (128) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16703 lumens
Efficiency: N/A
Efficacy: 67.4 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): 247.8
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



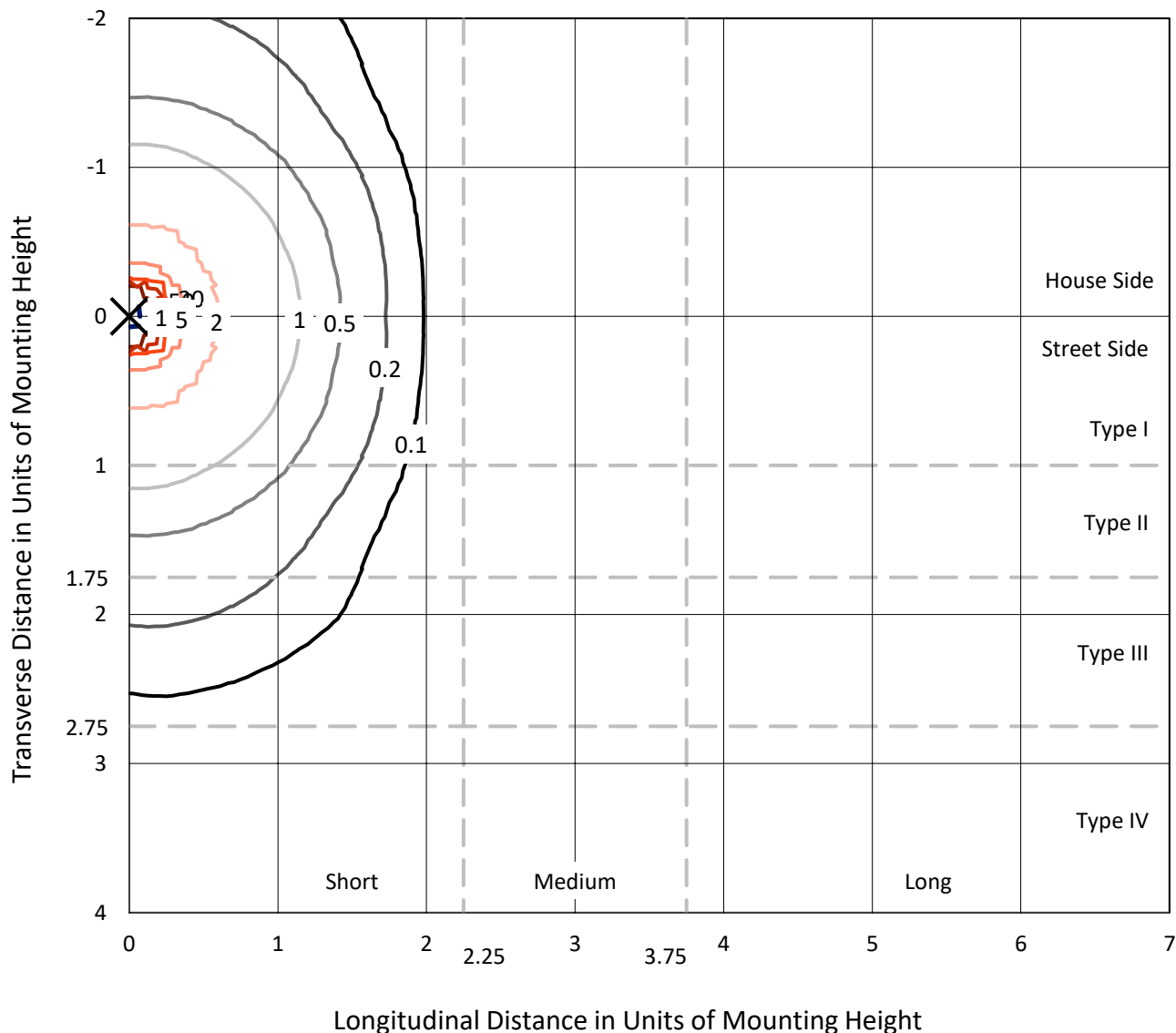
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

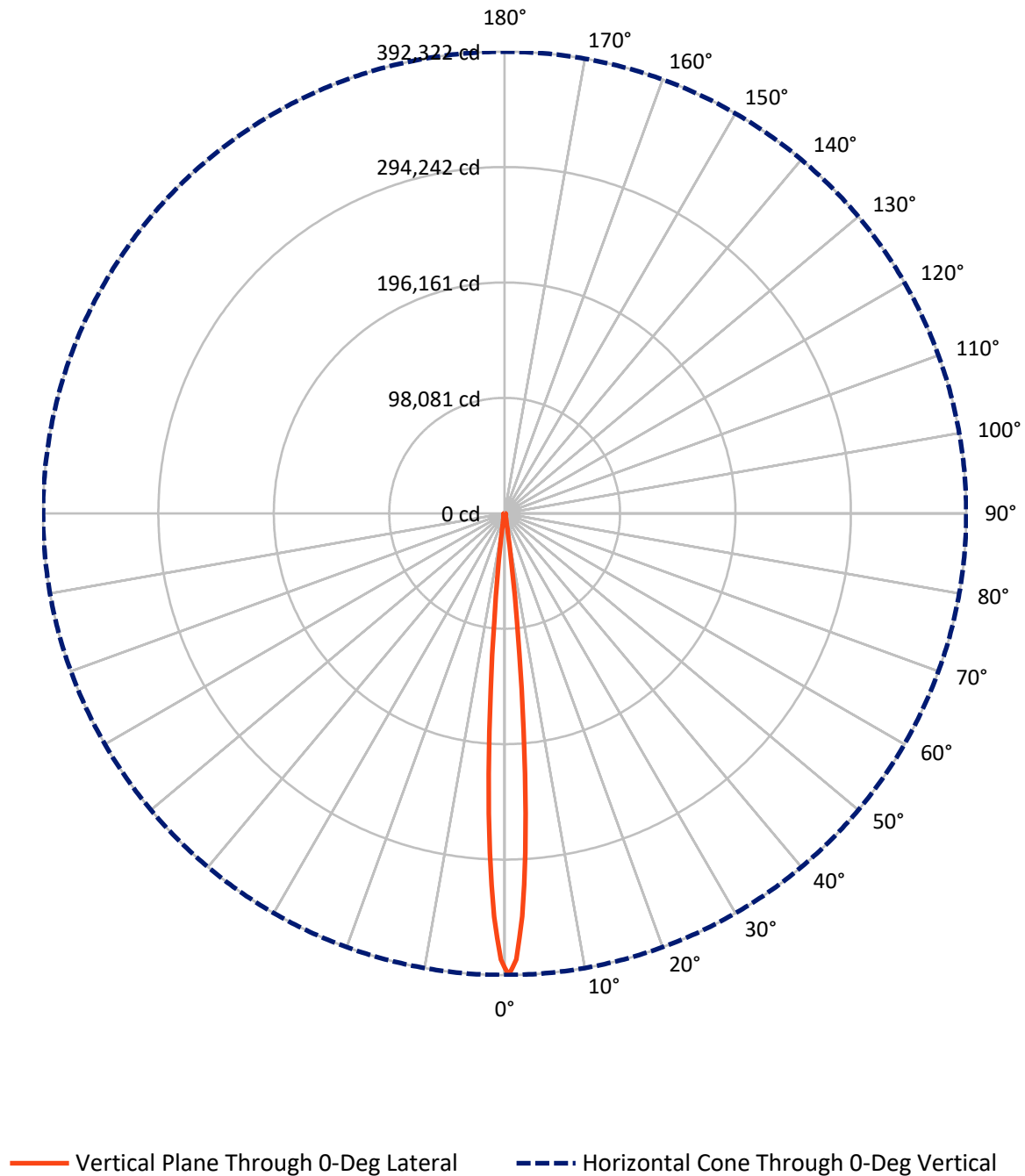


Based on 20 foot mounting height. Maximum calculated value = 980.8 fc

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	8351.5	0.0	8351.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8351.5	0.0	8351.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	16703.0	0.0	16703.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10542.5	63.1
10°-20°	1302.9	7.8
20°-30°	780.6	4.7
30°-40°	839.4	5.0
40°-50°	1128.6	6.8
50°-60°	1006.1	6.0
60°-70°	664.5	4.0
70°-80°	329.5	2.0
80°-90°	108.8	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°	16703.0	100.0
0°-180°	16703.0	100.0



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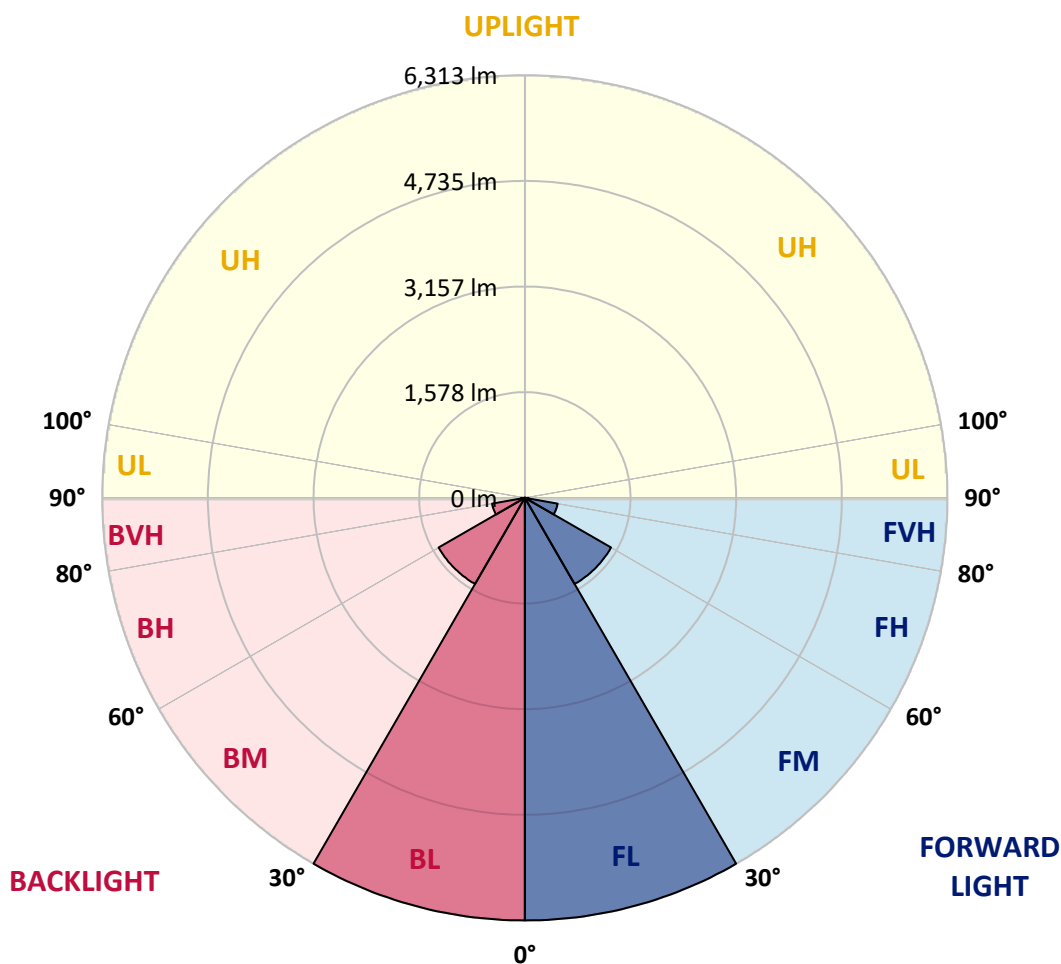
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6313.0	37.8			
FM	(30°-60°)	1487.0	8.9			
FH	(60°-80°)	497.0	3.0			G0/660
FVH	(80°-90°)	54.4	0.3			G1/100
BL	(0°-30°)	6313.0	37.8	B5		
BM	(30°-60°)	1487.0	8.9	B2/2500		
BH	(60°-80°)	497.0	3.0	B1/500		G0/660
BVH	(80°-90°)	54.4	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°	392322.4	392322.4	392322.4	392322.4	392322.4	392322.4	392322.4	392322.4	392322.4	392322.4
1°	379172.4	375280.5	377282.3	379195.5	381878.6	383060.4	384265.3	385166.1	385150.7	386636.7
2°	342959.7	336688.8	339595.2	343159.9	350054.4	352033.1	355339.9	359431.9	359682.2	363385.4
3°	289073.8	280269.9	284550.6	290898.5	302327.8	305284.2	310585.1	314326.8	312656.1	316990.7
4°	221826.1	210339.1	216879.5	226276.2	237401.4	248688.2	248911.5	251594.7	246086.0	245820.3
5°	149658.7	139530.6	147922.6	159675.2	169287.6	177175.3	182033.4	182368.3	176413.1	175870.3
6°	91276.5	84574.5	91877.1	104314.9	117630.5	120910.3	121653.3	119967.2	112156.5	107833.4
7°	50448.3	47715.1	54852.2	62274.1	72656.3	77456.7	74134.5	68745.2	66354.6	61207.8
8°	27820.7	26473.3	28509.7	34923.1	42980.2	46132.9	42926.3	37329.0	33298.6	31874.2
9°	16772.5	16025.7	16857.2	19297.8	22777.8	24964.3	23128.1	20371.8	18670.3	18196.8
10°	11140.6	10848.0	11202.2	12026.0	13277.1	13916.1	13458.0	12364.7	11848.9	11818.1
12.5°	5847.5	5793.6	5882.1	5974.5	6190.1	6224.7	6143.9	6066.9	5947.5	5993.7
15°	3764.9	3714.8	3807.2	3926.5	3980.4	4015.1	4018.9	3976.6	3895.7	3857.2
17.5°	2744.7	2756.3	2764.0	2833.3	2937.2	3018.0	2983.4	2937.2	2844.8	2798.6
20°	2259.7	2263.5	2278.9	2317.4	2352.1	2463.7	2429.1	2359.8	2271.2	2236.6
22.5°	1932.5	1940.2	1947.9	1971.0	1978.7	2009.5	2013.3	1951.7	1901.7	1882.4
25°	1701.5	1701.5	1713.0	1732.3	1740.0	1716.9	1720.7	1693.8	1647.6	1624.5
27.5°	1443.6	1451.3	1462.8	1470.5	1455.1	1428.2	1393.5	1416.6	1393.5	1339.6
30°	1285.7	1293.4	1328.1	1305.0	1270.3	1235.7	1216.5	1247.3	1251.1	1204.9
32.5°	1274.2	1278.0	1289.6	1278.0	1235.7	1193.4	1166.4	1201.1	1208.8	1189.5
35°	1331.9	1320.4	1335.8	1343.5	1301.1	1255.0	1220.3	1251.1	1274.2	1281.9
37.5°	1613.0	1547.5	1497.5	1482.1	1455.1	1424.3	1378.1	1385.8	1428.2	1466.7
40°	1536.0	1520.6	1501.3	1451.3	1401.2	1439.7	1385.8	1370.4	1466.7	1474.4
42.5°	1524.4	1536.0	1520.6	1459.0	1408.9	1447.4	1435.9	1389.7	1485.9	1474.4
45°	1532.1	1543.7	1578.3	1474.4	1432.0	1451.3	1474.4	1424.3	1520.6	1482.1
47.5°	1470.5	1485.9	1524.4	1466.7	1439.7	1435.9	1470.5	1424.3	1474.4	1470.5
50°	1389.7	1405.1	1416.6	1366.6	1416.6	1389.7	1393.5	1374.3	1374.3	1382.0
52.5°	1285.7	1301.1	1312.7	1255.0	1285.7	1297.3	1251.1	1247.3	1212.6	1224.2
55°	1158.7	1181.8	1193.4	1170.3	1154.9	1178.0	1112.5	1104.8	1035.5	1039.4
57.5°	1012.4	1035.5	1047.1	1074.0	1062.5	1016.3	977.8	947.0	870.0	839.2
60°	1043.2	1066.3	1043.2	966.2	966.2	862.3	827.7	762.2	685.2	646.7
62.5°	1008.6	1039.4	1035.5	954.7	858.4	727.6	666.0	596.7	519.7	469.6
65°	950.8	981.6	966.2	912.3	820.0	623.6	531.2	461.9	365.7	354.2
67.5°	854.6	900.8	870.0	835.4	762.2	565.9	423.4	346.5	265.6	265.6
70°	708.3	743.0	762.2	723.7	681.4	531.2	361.9	265.6	192.5	146.3
72.5°	569.7	600.5	631.3	612.1	573.6	481.2	323.4	211.7	138.6	84.7
75°	315.7	327.2	338.8	385.0	438.8	392.7	296.4	184.8	115.5	65.4
77.5°	242.5	254.1	281.0	257.9	238.7	304.1	323.4	215.6	100.1	46.2
80°	188.6	204.0	288.7	238.7	204.0	231.0	277.2	188.6	65.4	23.1
82.5°	142.4	154.0	204.0	227.1	215.6	173.2	150.1	127.0	57.7	15.4
85°	103.9	119.3	142.4	127.0	123.2	123.2	165.5	111.6	42.3	11.5
87.5°	61.6	61.6	65.4	61.6	57.7	57.7	65.4	53.9	26.9	7.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
392322.4
383649.4
360113.3
312355.9
244650.1
173672.2
108210.7
58790.2
30580.8
17553.9
11452.4
5820.5
3795.7
2748.6
2198.1
1859.3
1605.3
1343.5
1189.5
1178.0
1281.9
1501.3
1485.9
1466.7
1470.5
1462.8
1355.0
1204.9
1012.4
820.0
615.9
461.9
354.2
234.8
130.9
80.8
57.7
23.1
15.4
11.5
7.7
7.7
0.0

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