

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: P635916

Luminaire Tested: **IFLD-L-SA7A-935-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635916
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-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: 15261.8 lumens
Efficiency: N/A
Efficacy: 70.1 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): 217.6
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



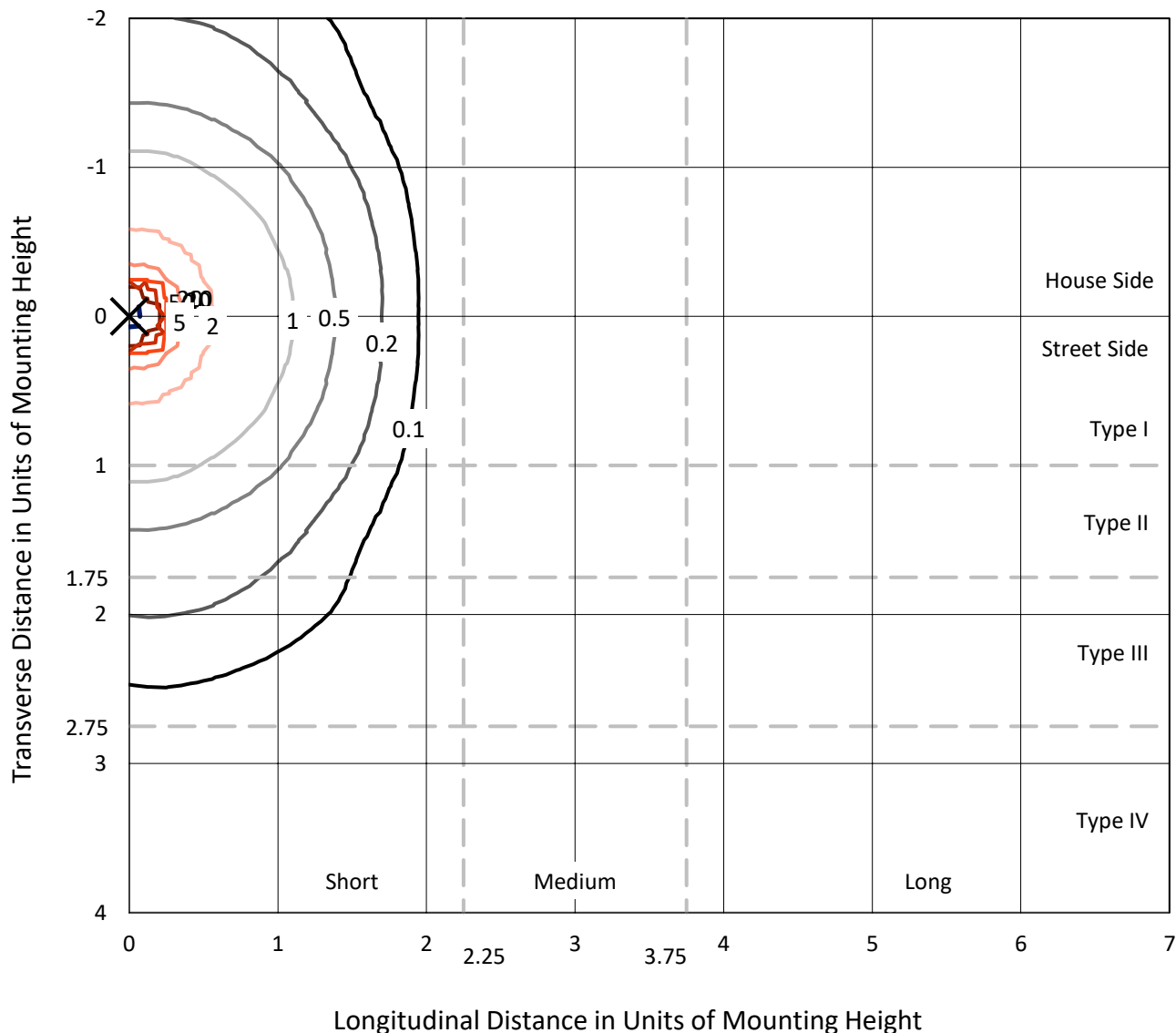
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

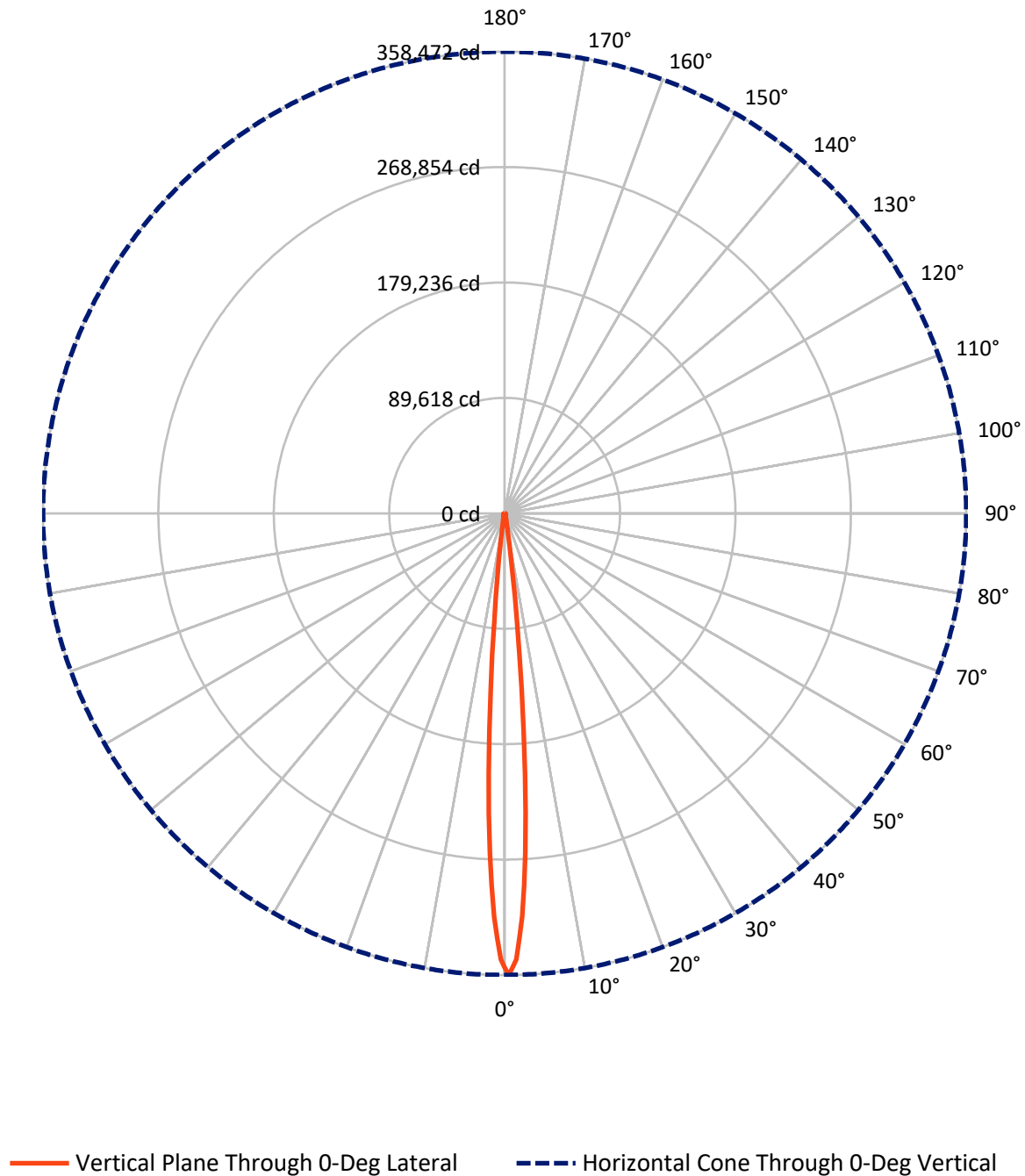


Based on 20 foot mounting height. Maximum calculated value = 896.2 fc

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	7630.9	0.0	7630.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7630.9	0.0	7630.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	15261.8	0.0	15261.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9632.9	63.1
10°-20°	1190.5	7.8
20°-30°	713.3	4.7
30°-40°	766.9	5.0
40°-50°	1031.2	6.8
50°-60°	919.3	6.0
60°-70°	607.2	4.0
70°-80°	301.1	2.0
80°-90°	99.4	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°	15261.8	100.0
0°-180°	15261.8	100.0



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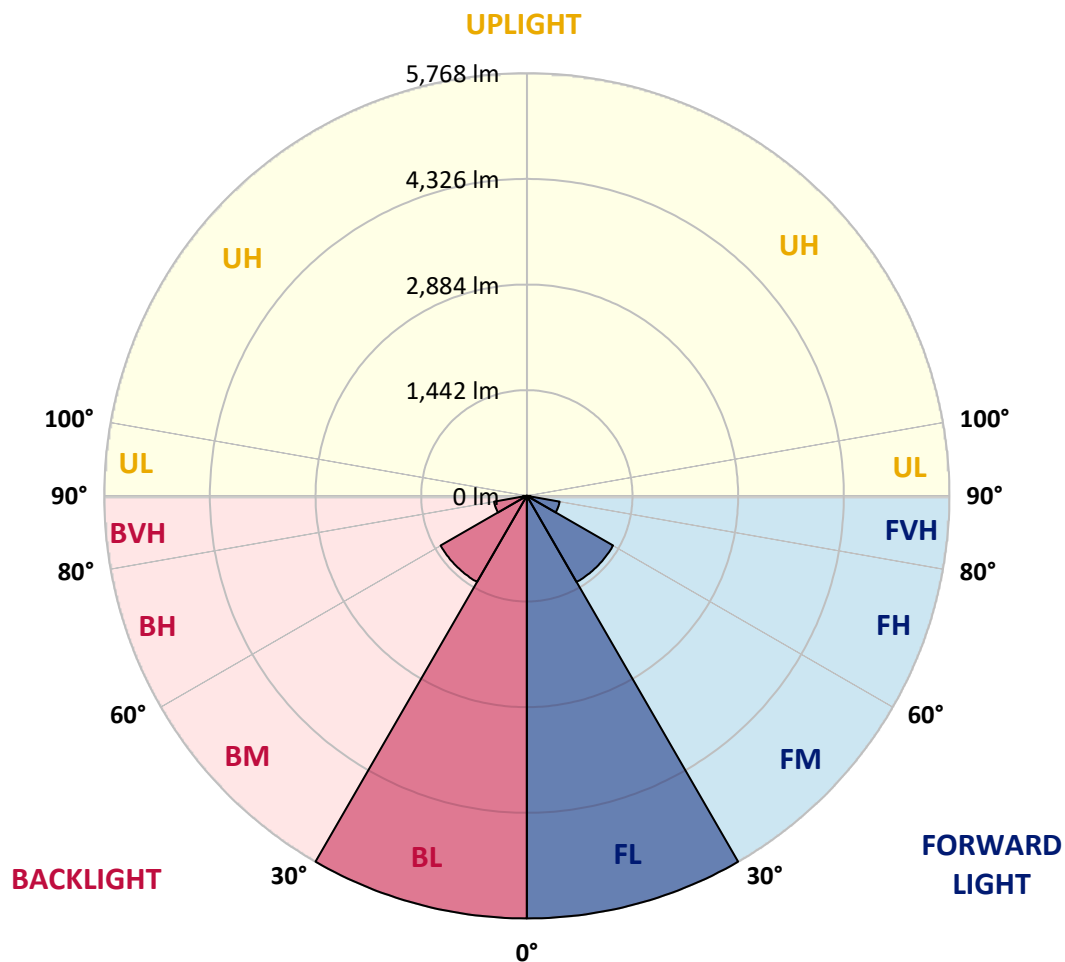
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5768.3	37.8			
FM	(30°-60°)	1358.7	8.9			
FH	(60°-80°)	454.1	3.0			G0/660
FVH	(80°-90°)	49.7	0.3			G1/100
BL	(0°-30°)	5768.3	37.8	B5		
BM	(30°-60°)	1358.7	8.9	B2/2500		
BH	(60°-80°)	454.1	3.0	B1/500		G0/660
BVH	(80°-90°)	49.7	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°	358471.9	358471.9	358471.9	358471.9	358471.9	358471.9	358471.9	358471.9	358471.9	358471.9
1°	346456.4	342900.3	344729.4	346477.5	348929.2	350009.0	351109.9	351933.0	351918.9	353276.7
2°	313368.3	307638.5	310294.1	313551.2	319850.9	321658.8	324680.2	328419.2	328647.9	332031.6
3°	264131.8	256087.5	259998.8	265799.0	276242.2	278943.5	283787.0	287205.9	285679.4	289639.9
4°	202686.4	192190.5	198166.5	206752.5	216917.8	227230.8	227434.8	229886.4	224853.0	224610.3
5°	136745.8	127491.5	135159.4	145898.1	154681.0	161888.1	166327.1	166633.1	161191.7	160695.7
6°	83401.0	77277.2	83949.7	95314.4	107481.1	110477.9	111156.7	109616.1	102479.3	98529.3
7°	46095.5	43598.1	50119.4	56900.9	66387.3	70773.5	67738.0	62813.7	60629.3	55926.6
8°	25420.2	24189.1	26049.8	31909.8	39271.7	42152.5	39222.5	34108.2	30425.5	29124.0
9°	15325.3	14642.9	15402.7	17632.7	20812.4	22810.3	21132.5	18614.1	17059.4	16626.7
10°	10179.3	9912.0	10235.6	10988.3	12131.5	12715.4	12296.8	11297.9	10826.5	10798.4
12.5°	5342.9	5293.7	5374.6	5459.0	5656.0	5687.6	5613.8	5543.4	5434.4	5476.6
15°	3440.0	3394.3	3478.7	3587.7	3637.0	3668.6	3672.2	3633.5	3559.6	3524.4
17.5°	2507.9	2518.5	2525.5	2588.8	2683.8	2757.6	2726.0	2683.8	2599.4	2557.1
20°	2064.7	2068.2	2082.3	2117.5	2149.1	2251.1	2219.5	2156.2	2075.3	2043.6
22.5°	1765.7	1772.8	1779.8	1800.9	1807.9	1836.1	1839.6	1783.3	1737.6	1720.0
25°	1554.7	1554.7	1565.2	1582.8	1589.9	1568.8	1572.3	1547.7	1505.4	1484.3
27.5°	1319.0	1326.1	1336.6	1343.6	1329.6	1305.0	1273.3	1294.4	1273.3	1224.1
30°	1174.8	1181.8	1213.5	1192.4	1160.7	1129.1	1111.5	1139.6	1143.2	1100.9
32.5°	1164.3	1167.8	1178.3	1167.8	1129.1	1090.4	1065.8	1097.4	1104.5	1086.9
35°	1217.0	1206.5	1220.5	1227.6	1188.9	1146.7	1115.0	1143.2	1164.3	1171.3
37.5°	1473.8	1414.0	1368.3	1354.2	1329.6	1301.4	1259.2	1266.3	1305.0	1340.1
40°	1403.4	1389.4	1371.8	1326.1	1280.3	1315.5	1266.3	1252.2	1340.1	1347.2
42.5°	1392.9	1403.4	1389.4	1333.1	1287.4	1322.5	1312.0	1269.8	1357.7	1347.2
45°	1399.9	1410.5	1442.1	1347.2	1308.5	1326.1	1347.2	1301.4	1389.4	1354.2
47.5°	1343.6	1357.7	1392.9	1340.1	1315.5	1312.0	1343.6	1301.4	1347.2	1343.6
50°	1269.8	1283.8	1294.4	1248.7	1294.4	1269.8	1273.3	1255.7	1255.7	1262.7
52.5°	1174.8	1188.9	1199.4	1146.7	1174.8	1185.4	1143.2	1139.6	1108.0	1118.5
55°	1058.7	1079.8	1090.4	1069.3	1055.2	1076.3	1016.5	1009.5	946.2	949.7
57.5°	925.1	946.2	956.7	981.4	970.8	928.6	893.4	865.3	794.9	766.8
60°	953.2	974.3	953.2	882.9	882.9	787.9	756.2	696.4	626.1	590.9
62.5°	921.6	949.7	946.2	872.3	784.4	664.8	608.5	545.2	474.8	429.1
65°	868.8	896.9	882.9	833.6	749.2	569.8	485.4	422.1	334.2	323.6
67.5°	780.9	823.1	794.9	763.3	696.4	517.1	386.9	316.6	242.7	242.7
70°	647.2	678.9	696.4	661.3	622.6	485.4	330.6	242.7	175.9	133.7
72.5°	520.6	548.7	576.9	559.3	524.1	439.7	295.5	193.5	126.6	77.4
75°	288.4	299.0	309.5	351.7	401.0	358.8	270.8	168.8	105.5	59.8
77.5°	221.6	232.1	256.8	235.7	218.1	277.9	295.5	197.0	91.5	42.2
80°	172.4	186.4	263.8	218.1	186.4	211.0	253.3	172.4	59.8	21.1
82.5°	130.1	140.7	186.4	207.5	197.0	158.3	137.2	116.1	52.8	14.1
85°	95.0	109.0	130.1	116.1	112.6	112.6	151.2	102.0	38.7	10.6
87.5°	56.3	56.3	59.8	56.3	52.8	52.8	59.8	49.2	24.6	7.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

358471.9

350547.2
329041.8
285405.0
223541.0
158687.3
98874.0
53717.7
27942.2
16039.3
10464.3
5318.3
3468.2
2511.4
2008.4
1698.9
1466.8
1227.6
1086.9
1076.3
1171.3
1371.8
1357.7
1340.1
1343.6
1336.6
1238.1
1100.9
925.1
749.2
562.8
422.1
323.6
214.6
119.6
73.9
52.8
21.1
14.1
10.6
7.0
7.0
0.0

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