

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: P635863

Luminaire Tested: **IFLD-L-SA8A-927-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635863
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-927-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (128) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15925.7 lumens
Efficiency: N/A
Efficacy: 64.3 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): 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



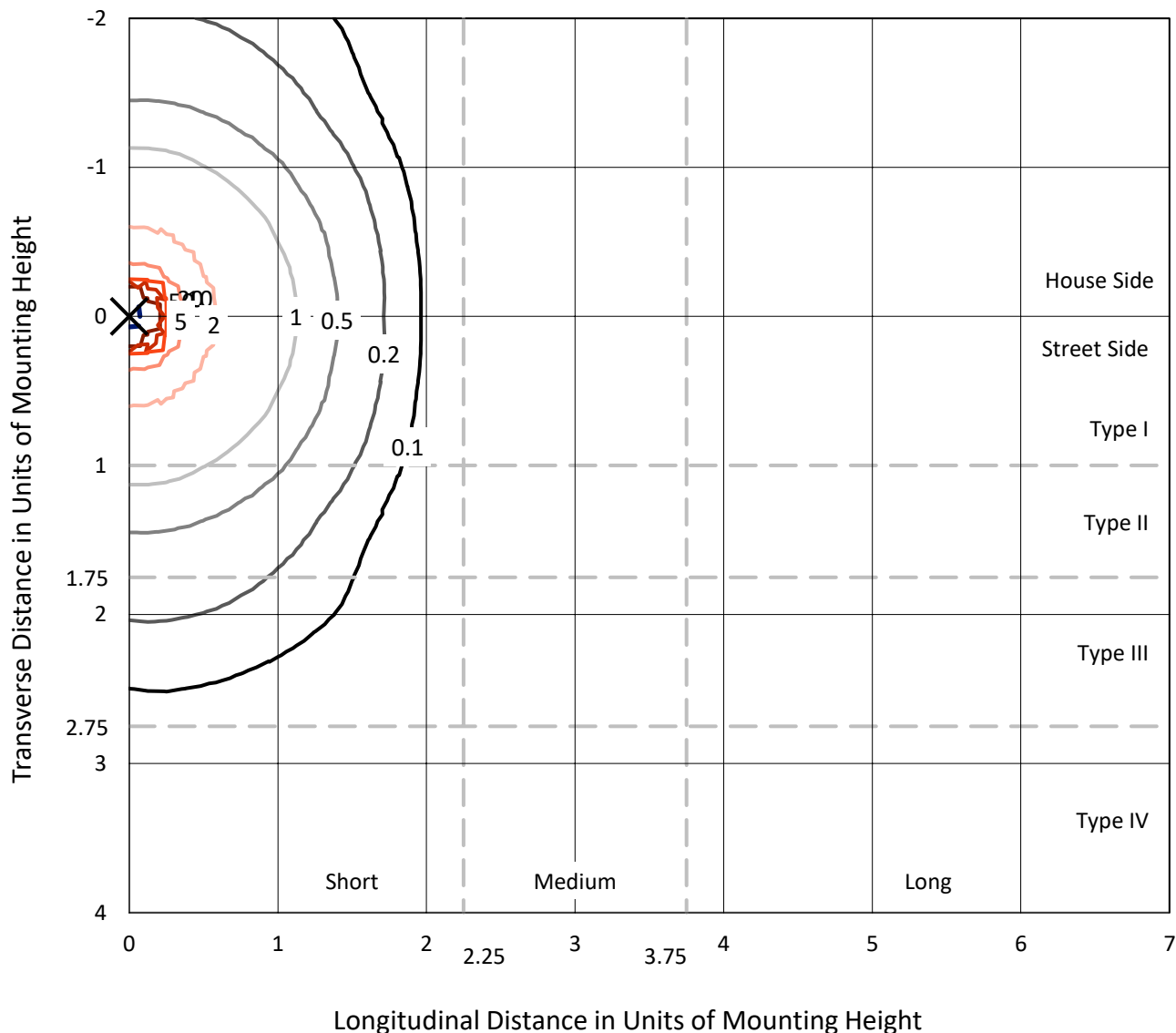
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

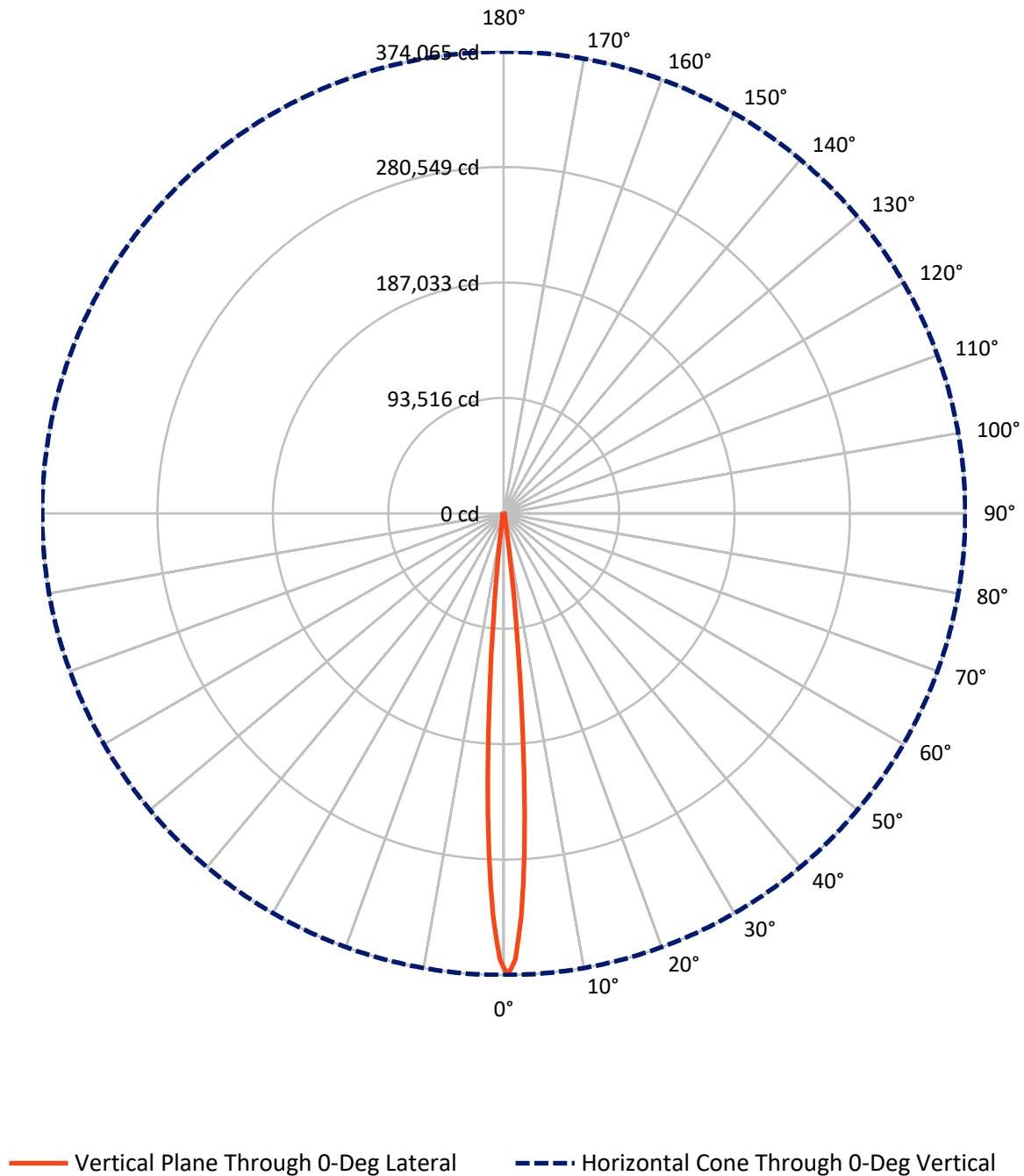


Based on 20 foot mounting height. Maximum calculated value = 935.2 fc

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	7962.8	0.0	7962.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7962.8	0.0	7962.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	15925.7	0.0	15925.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10051.9	63.1
10°-20°	1242.3	7.8
20°-30°	744.3	4.7
30°-40°	800.3	5.0
40°-50°	1076.1	6.8
50°-60°	959.3	6.0
60°-70°	633.6	4.0
70°-80°	314.2	2.0
80°-90°	103.7	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°	15925.7	100.0
0°-180°	15925.7	100.0



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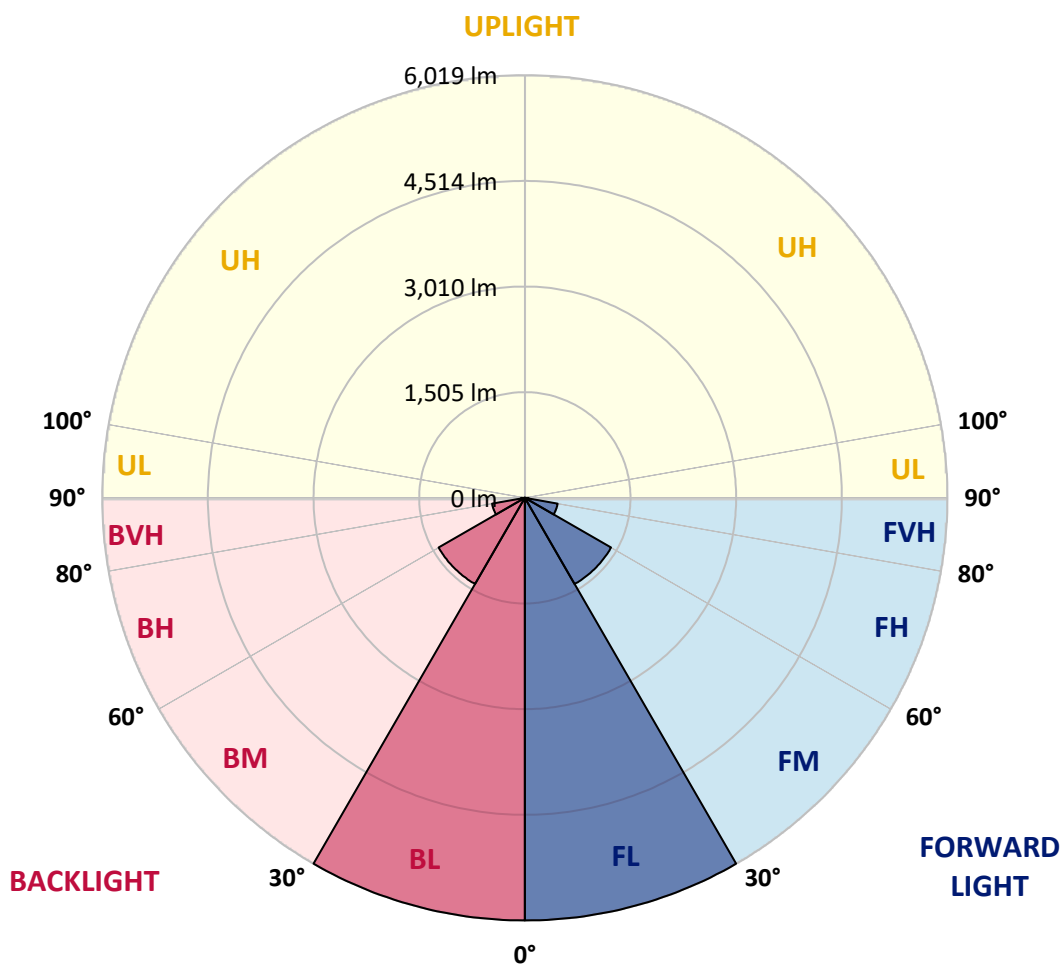
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6019.3	37.8			
FM	(30°-60°)	1417.8	8.9			
FH	(60°-80°)	473.9	3.0			G0/660
FVH	(80°-90°)	51.9	0.3			G1/100
BL	(0°-30°)	6019.3	37.8	B5		
BM	(30°-60°)	1417.8	8.9	B2/2500		
BH	(60°-80°)	473.9	3.0	B1/500		G0/660
BVH	(80°-90°)	51.9	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°	374065.3	374065.3	374065.3	374065.3	374065.3	374065.3	374065.3	374065.3	374065.3	374065.3
1°	361527.2	357816.4	359725.0	361549.2	364107.5	365234.3	366383.1	367242.0	367227.3	368644.1
2°	326999.7	321020.6	323791.8	327190.6	333764.3	335650.8	338803.7	342705.4	342943.9	346474.9
3°	275621.4	267227.2	271308.7	277361.2	288258.6	291077.5	296131.6	299699.3	298106.3	302239.2
4°	211503.2	200550.7	206786.7	215746.2	226353.6	237115.3	237328.1	239886.4	234634.1	234380.8
5°	142694.2	133037.4	141038.8	152244.6	161409.6	168930.2	173562.3	173881.6	168203.5	167685.9
6°	87028.9	80638.7	87601.5	99460.5	112156.4	115283.6	115992.0	114384.4	106937.1	102815.3
7°	48100.6	45494.6	52299.5	59376.1	69275.2	73852.1	70684.6	65546.0	63266.7	58359.4
8°	26526.0	25241.3	27183.0	33297.9	40980.0	43986.1	40928.6	35591.9	31749.0	30390.9
9°	15991.9	15279.9	16072.7	18399.7	21717.8	23802.6	22051.8	19423.8	17801.4	17350.0
10°	10622.1	10343.2	10680.9	11466.3	12659.2	13268.5	12831.7	11789.3	11297.5	11268.1
12.5°	5575.3	5524.0	5608.4	5696.5	5902.0	5935.0	5858.0	5784.6	5670.8	5714.8
15°	3589.7	3541.9	3630.0	3743.8	3795.2	3828.2	3831.9	3791.5	3714.4	3677.7
17.5°	2617.0	2628.0	2635.3	2701.4	2800.5	2877.6	2844.6	2800.5	2712.4	2668.4
20°	2154.5	2158.2	2172.9	2209.6	2242.6	2349.1	2316.0	2250.0	2165.5	2132.5
22.5°	1842.5	1849.9	1857.2	1879.2	1886.6	1915.9	1919.6	1860.9	1813.2	1794.8
25°	1622.3	1622.3	1633.3	1651.7	1659.0	1637.0	1640.7	1615.0	1570.9	1548.9
27.5°	1376.4	1383.7	1394.8	1402.1	1387.4	1361.7	1328.7	1350.7	1328.7	1277.3
30°	1225.9	1233.3	1266.3	1244.3	1211.2	1178.2	1159.8	1189.2	1192.9	1148.8
32.5°	1214.9	1218.6	1229.6	1218.6	1178.2	1137.8	1112.1	1145.2	1152.5	1134.2
35°	1270.0	1258.9	1273.6	1281.0	1240.6	1196.6	1163.5	1192.9	1214.9	1222.2
37.5°	1537.9	1475.5	1427.8	1413.1	1387.4	1358.0	1314.0	1321.3	1361.7	1398.4
40°	1464.5	1449.8	1431.5	1383.7	1336.0	1372.7	1321.3	1306.7	1398.4	1405.8
42.5°	1453.5	1464.5	1449.8	1391.1	1343.4	1380.1	1369.1	1325.0	1416.8	1405.8
45°	1460.8	1471.8	1504.9	1405.8	1365.4	1383.7	1405.8	1358.0	1449.8	1413.1
47.5°	1402.1	1416.8	1453.5	1398.4	1372.7	1369.1	1402.1	1358.0	1405.8	1402.1
50°	1325.0	1339.7	1350.7	1303.0	1350.7	1325.0	1328.7	1310.3	1310.3	1317.7
52.5°	1225.9	1240.6	1251.6	1196.6	1225.9	1236.9	1192.9	1189.2	1156.2	1167.2
55°	1104.8	1126.8	1137.8	1115.8	1101.1	1123.1	1060.7	1053.4	987.3	991.0
57.5°	965.3	987.3	998.3	1024.0	1013.0	969.0	932.3	902.9	829.5	800.1
60°	994.7	1016.7	994.7	921.3	921.3	822.2	789.1	726.7	653.3	616.6
62.5°	961.6	991.0	987.3	910.3	818.5	693.7	635.0	568.9	495.5	447.8
65°	906.6	936.0	921.3	869.9	781.8	594.6	506.5	440.4	348.7	337.7
67.5°	814.8	858.9	829.5	796.5	726.7	539.5	403.7	330.3	253.3	253.3
70°	675.4	708.4	726.7	690.0	649.7	506.5	345.0	253.3	183.5	139.5
72.5°	543.2	572.6	601.9	583.6	546.9	458.8	308.3	201.9	132.1	80.7
75°	301.0	312.0	323.0	367.0	418.4	374.4	282.6	176.2	110.1	62.4
77.5°	231.2	242.2	267.9	245.9	227.6	290.0	308.3	205.5	95.4	44.0
80°	179.8	194.5	275.3	227.6	194.5	220.2	264.3	179.8	62.4	22.0
82.5°	135.8	146.8	194.5	216.6	205.5	165.2	143.1	121.1	55.1	14.7
85°	99.1	113.8	135.8	121.1	117.5	117.5	157.8	106.4	40.4	11.0
87.5°	58.7	58.7	62.4	58.7	55.1	55.1	62.4	51.4	25.7	7.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

374065.3
365795.8
343355.0
297820.0
233265.0
165590.1
103175.0
56054.4
29157.7
16737.0
10919.4
5549.6
3619.0
2620.7
2095.8
1772.8
1530.6
1281.0
1134.2
1123.1
1222.2
1431.5
1416.8
1398.4
1402.1
1394.8
1292.0
1148.8
965.3
781.8
587.3
440.4
337.7
223.9
124.8
77.1
55.1
22.0
14.7
11.0
7.3
7.3
0.0

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