

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: P635945

Luminaire Tested: **IFLD-L-SA7A-940-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635945
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-940-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (112) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16608.7 lumens
Efficiency: N/A
Efficacy: 76.3 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): 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



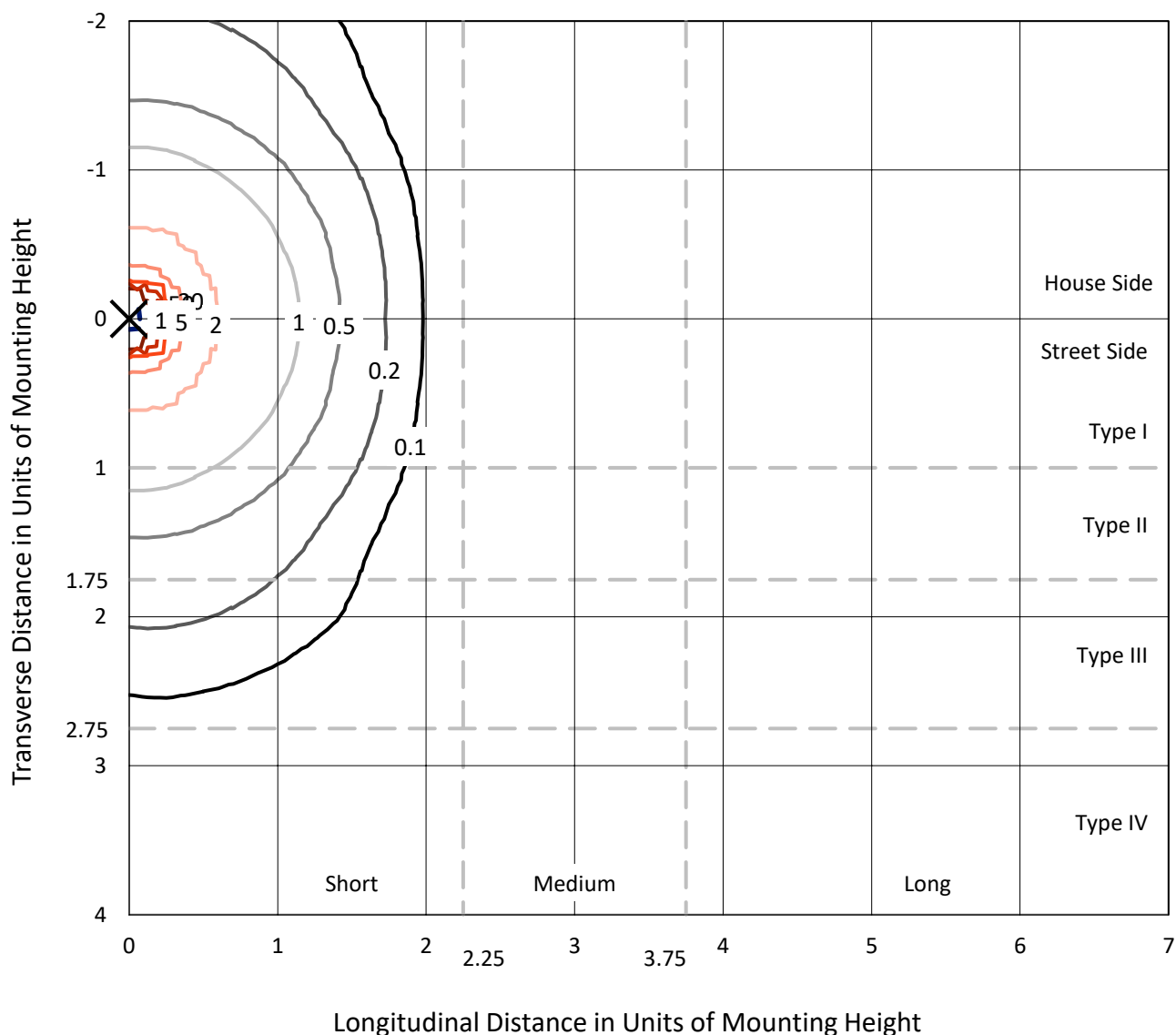
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

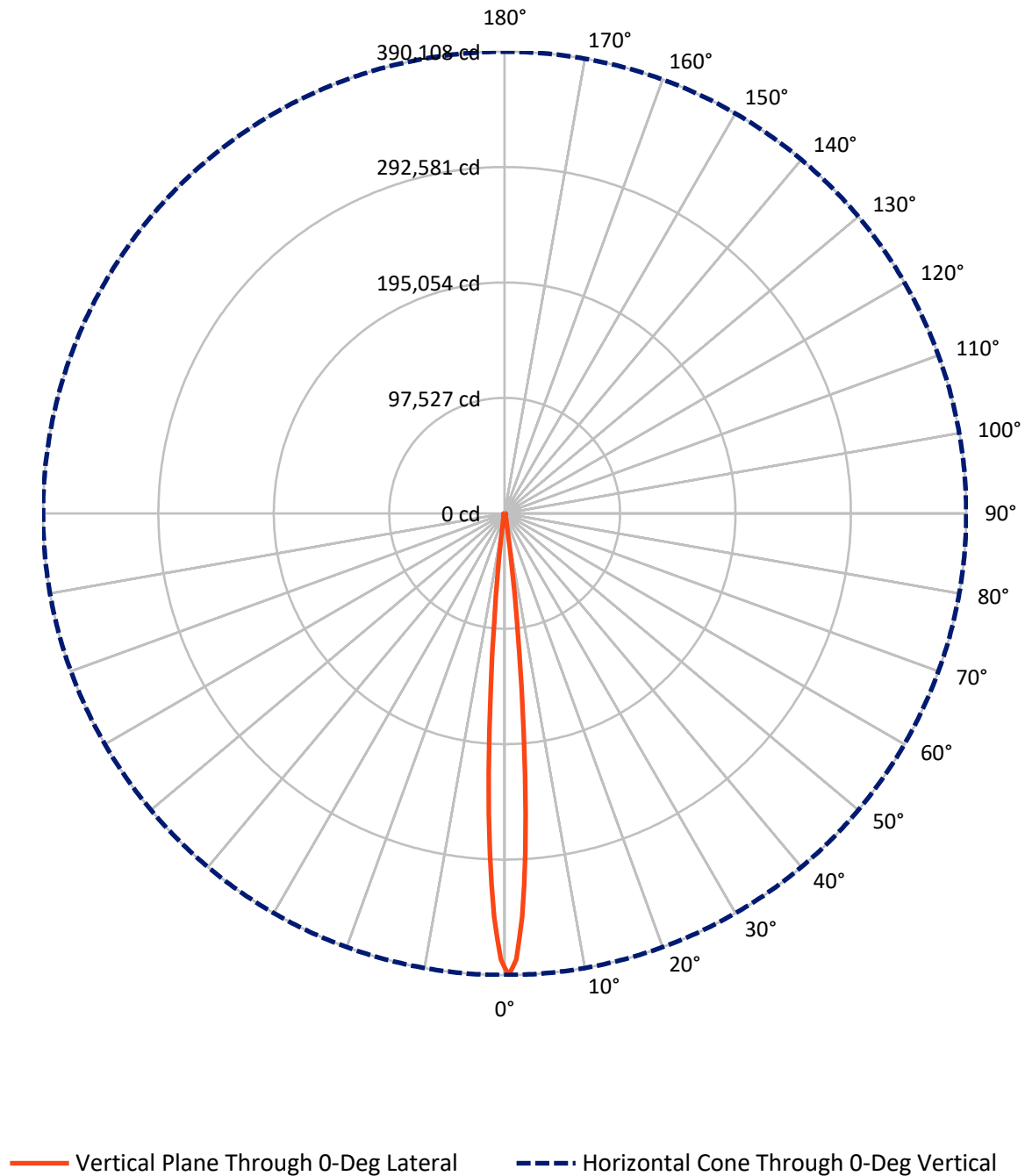


Based on 20 foot mounting height. Maximum calculated value = 975.3 fc

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	8304.3	0.0	8304.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8304.3	0.0	8304.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	16608.7	0.0	16608.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10483.0	63.1
10°-20°	1295.6	7.8
20°-30°	776.2	4.7
30°-40°	834.6	5.0
40°-50°	1122.2	6.8
50°-60°	1000.4	6.0
60°-70°	660.8	4.0
70°-80°	327.6	2.0
80°-90°	108.2	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°	16608.7	100.0
0°-180°	16608.7	100.0

Coefficient of Utilization



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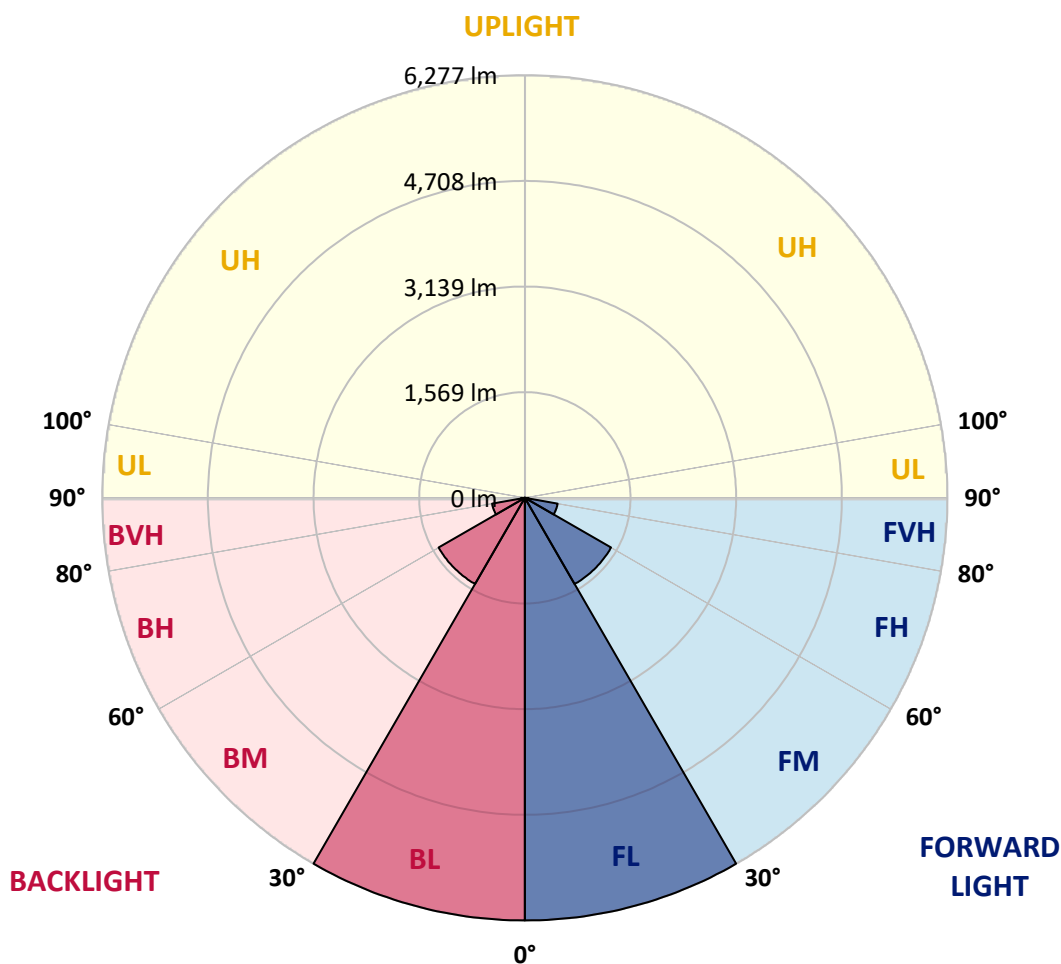
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6277.4	37.8			
FM	(30°-60°)	1478.6	8.9			
FH	(60°-80°)	494.2	3.0			G0/660
FVH	(80°-90°)	54.1	0.3			G1/100
BL	(0°-30°)	6277.4	37.8	B5		
BM	(30°-60°)	1478.6	8.9	B2/2500		
BH	(60°-80°)	494.2	3.0	B1/500		G0/660
BVH	(80°-90°)	54.1	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°	390108.1	390108.1	390108.1	390108.1	390108.1	390108.1	390108.1	390108.1	390108.1	390108.1
1°	377032.3	373162.3	375152.8	377055.2	379723.2	380898.3	382096.5	382992.2	382976.9	384454.4
2°	341024.0	334788.5	337678.5	341223.0	348078.7	350046.1	353334.2	357403.2	357652.0	361334.4
3°	287442.2	278688.0	282944.5	289256.6	300621.4	303561.1	308832.1	312552.7	310891.4	315201.5
4°	220574.1	209151.9	215655.3	224999.0	236061.4	247284.6	247506.6	250174.6	244697.0	244432.9
5°	148814.0	138743.0	147087.7	158774.0	168332.1	176175.2	181006.0	181339.0	175417.3	174877.6
6°	90761.4	84097.1	91358.5	103726.2	116966.6	120227.9	120966.7	119290.1	111523.4	107224.8
7°	50163.5	47445.8	54542.6	61922.6	72246.2	77019.5	73716.1	68357.1	65980.1	60862.3
8°	27663.6	26323.9	28348.8	34725.9	42737.6	45872.6	42684.0	37118.3	33110.6	31694.3
9°	16677.8	15935.2	16762.0	19188.8	22649.2	24823.4	22997.5	20256.8	18564.9	18094.1
10°	11077.7	10786.8	11138.9	11958.1	13202.1	13837.6	13382.0	12294.9	11782.0	11751.4
12.5°	5814.5	5760.9	5848.9	5940.8	6155.1	6189.6	6109.2	6032.6	5914.0	5959.9
15°	3743.6	3693.8	3785.7	3904.4	3958.0	3992.4	3996.2	3954.1	3873.8	3835.5
17.5°	2729.2	2740.7	2748.4	2817.3	2920.6	3001.0	2966.6	2920.6	2828.8	2782.8
20°	2246.9	2250.8	2266.1	2304.3	2338.8	2449.8	2415.4	2346.5	2258.4	2224.0
22.5°	1921.6	1929.2	1936.9	1959.8	1967.5	1998.1	2001.9	1940.7	1890.9	1871.8
25°	1691.9	1691.9	1703.4	1722.5	1730.2	1707.2	1711.0	1684.2	1638.3	1615.3
27.5°	1435.4	1443.1	1454.6	1462.2	1446.9	1420.1	1385.7	1408.6	1385.7	1332.1
30°	1278.5	1286.1	1320.6	1297.6	1263.2	1228.7	1209.6	1240.2	1244.0	1198.1
32.5°	1267.0	1270.8	1282.3	1270.8	1228.7	1186.6	1159.8	1194.3	1201.9	1182.8
35°	1324.4	1312.9	1328.3	1335.9	1293.8	1247.9	1213.4	1244.0	1267.0	1274.7
37.5°	1603.9	1538.8	1489.0	1473.7	1446.9	1416.3	1370.4	1378.0	1420.1	1458.4
40°	1527.3	1512.0	1492.8	1443.1	1393.3	1431.6	1378.0	1362.7	1458.4	1466.1
42.5°	1515.8	1527.3	1512.0	1450.7	1401.0	1439.3	1427.8	1381.8	1477.5	1466.1
45°	1523.5	1535.0	1569.4	1466.1	1423.9	1443.1	1466.1	1416.3	1512.0	1473.7
47.5°	1462.2	1477.5	1515.8	1458.4	1431.6	1427.8	1462.2	1416.3	1466.1	1462.2
50°	1381.8	1397.2	1408.6	1358.9	1408.6	1381.8	1385.7	1366.5	1366.5	1374.2
52.5°	1278.5	1293.8	1305.3	1247.9	1278.5	1290.0	1244.0	1240.2	1205.8	1217.2
55°	1152.2	1175.1	1186.6	1163.7	1148.3	1171.3	1106.2	1098.6	1029.7	1033.5
57.5°	1006.7	1029.7	1041.2	1068.0	1056.5	1010.5	972.3	941.6	865.1	834.5
60°	1037.3	1060.3	1037.3	960.8	960.8	857.4	823.0	757.9	681.4	643.1
62.5°	1002.9	1033.5	1029.7	949.3	853.6	723.5	662.2	593.3	516.8	467.0
65°	945.5	976.1	960.8	907.2	815.3	620.1	528.2	459.3	363.6	352.2
67.5°	849.8	895.7	865.1	830.6	757.9	562.7	421.1	344.5	264.1	264.1
70°	704.3	738.8	757.9	719.6	677.5	528.2	359.8	264.1	191.4	145.5
72.5°	566.5	597.1	627.8	608.6	570.3	478.5	321.5	210.5	137.8	84.2
75°	313.9	325.4	336.8	382.8	436.4	390.4	294.7	183.7	114.8	65.1
77.5°	241.2	252.6	279.4	256.5	237.3	302.4	321.5	214.4	99.5	45.9
80°	187.6	202.9	287.1	237.3	202.9	229.7	275.6	187.6	65.1	23.0
82.5°	141.6	153.1	202.9	225.8	214.4	172.3	149.3	126.3	57.4	15.3
85°	103.4	118.7	141.6	126.3	122.5	122.5	164.6	111.0	42.1	11.5
87.5°	61.2	61.2	65.1	61.2	57.4	57.4	65.1	53.6	26.8	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°

390108.1

381484.0
358080.7
310592.8
243269.2
172691.9
107599.9
58458.4
30408.2
17454.8
11387.8
5787.7
3774.2
2733.1
2185.7
1848.8
1596.2
1335.9
1182.8
1171.3
1274.7
1492.8
1477.5
1458.4
1462.2
1454.6
1347.4
1198.1
1006.7
815.3
612.5
459.3
352.2
233.5
130.1
80.4
57.4
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15.3
11.5
7.7
7.7
0.0

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