

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: P635920

Luminaire Tested: **IFLD-L-SA7E-935-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635920
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7E-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: 27525.1 lumens
Efficiency: N/A
Efficacy: 51.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

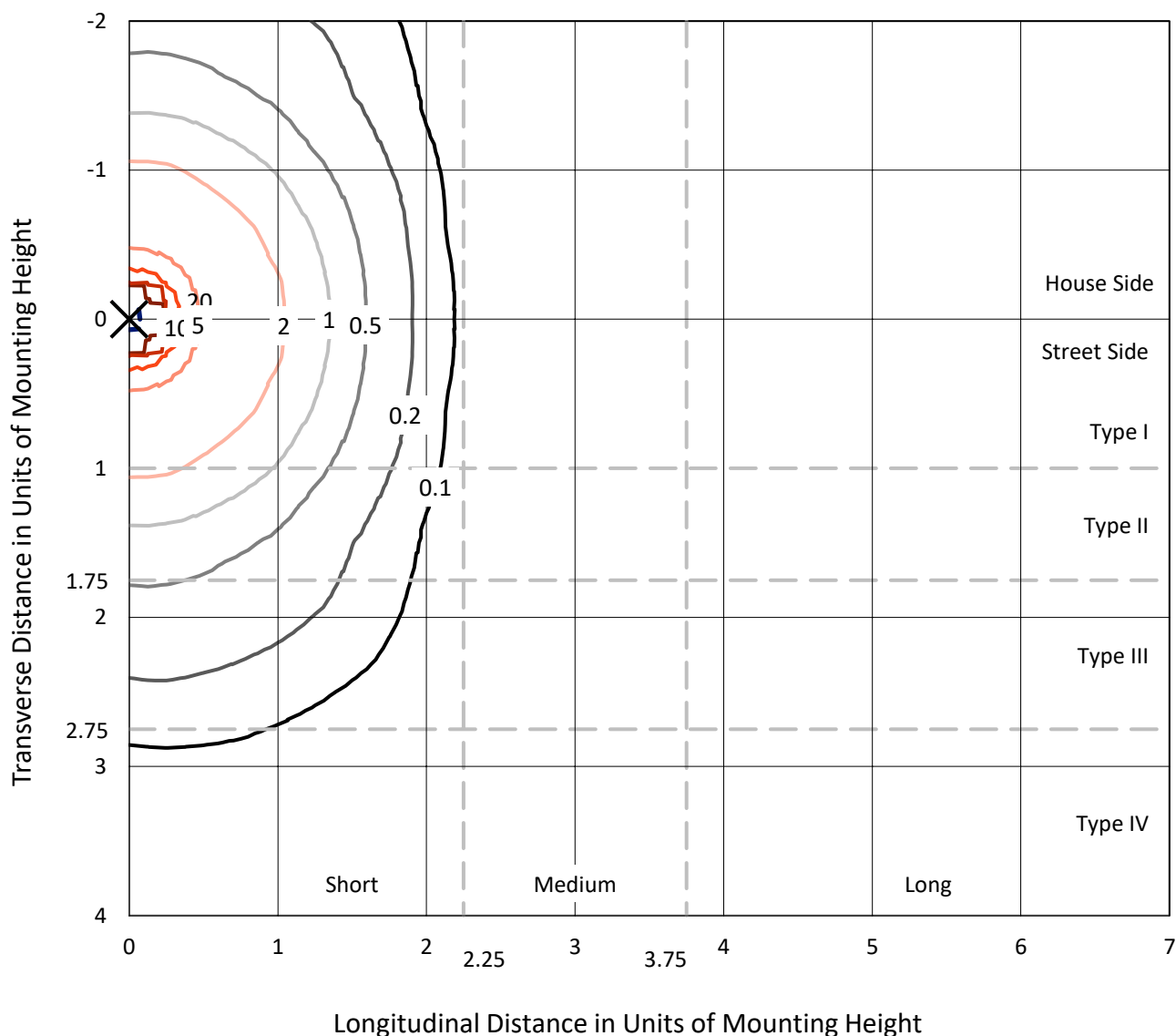
Input Watts (W): 532.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

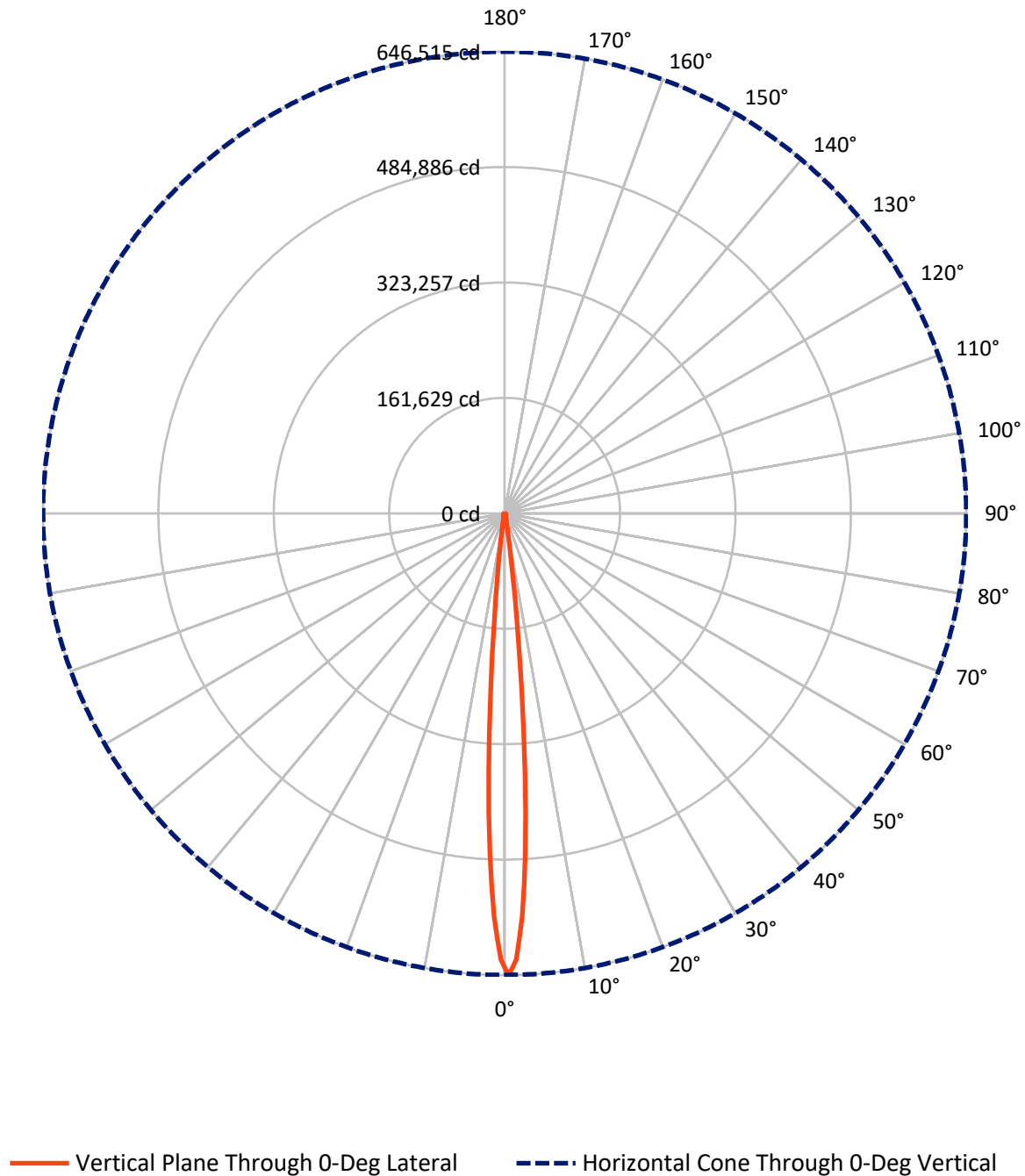
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1616.3 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	13762.6	0.0	13762.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13762.6	0.0	13762.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	27525.1	0.0	27525.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17373.2	63.1
10°-20°	2147.1	7.8
20°-30°	1286.4	4.7
30°-40°	1383.2	5.0
40°-50°	1859.9	6.8
50°-60°	1658.0	6.0
60°-70°	1095.1	4.0
70°-80°	543.0	2.0
80°-90°	179.3	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°	27525.1	100.0
0°-180°	27525.1	100.0

Coefficient of Utilization



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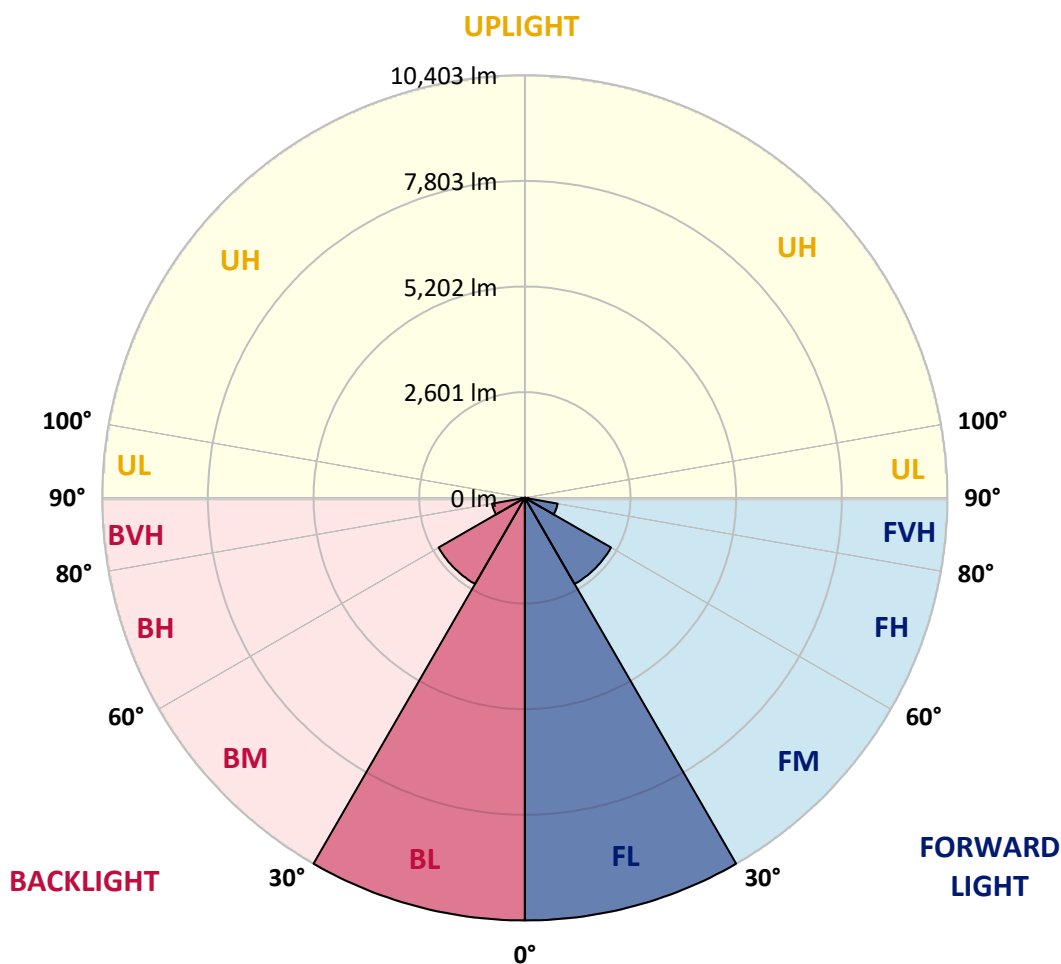
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	10403.4	37.8			
FM	(30°-60°)	2450.5	8.9			
FH	(60°-80°)	819.0	3.0			G1/1800
FVH	(80°-90°)	89.6	0.3			G1/100
BL	(0°-30°)	10403.4	37.8	B5		
BM	(30°-60°)	2450.5	8.9	B2/2500		
BH	(60°-80°)	819.0	3.0	B2/1000		G1/1800
BVH	(80°-90°)	89.6	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°	646514.8	646514.8	646514.8	646514.8	646514.8	646514.8	646514.8	646514.8	646514.8	646514.8
1°	624844.6	618431.1	621729.9	624882.7	629304.3	631251.8	633237.4	634721.8	634696.5	637145.1
2°	565169.2	554835.2	559624.8	565499.1	576860.7	580121.4	585570.6	592314.0	592726.3	598829.0
3°	476369.7	461861.6	468915.8	479376.6	498211.1	503083.1	511818.4	517984.5	515231.3	522374.4
4°	365551.1	346621.4	357399.4	372884.4	391217.8	409817.6	410185.5	414607.1	405529.2	405091.5
5°	246625.2	229934.8	243764.1	263131.5	278971.8	291970.1	299975.9	300527.8	290714.1	289819.6
6°	150416.2	139371.7	151405.8	171902.4	193845.3	199250.2	200474.5	197696.0	184824.6	177700.5
7°	83134.6	78630.5	90391.8	102622.5	119731.5	127642.2	122167.5	113286.3	109346.9	100865.3
8°	45846.1	43625.8	46981.7	57550.3	70827.7	76023.3	70738.9	61515.1	54873.3	52526.1
9°	27639.6	26408.9	27779.2	31801.1	37535.8	41139.1	38113.1	33571.0	30767.1	29986.8
10°	18358.8	17876.6	18460.3	19817.8	21879.5	22932.6	22177.7	20376.1	19526.0	19475.2
12.5°	9636.1	9547.3	9693.2	9845.5	10200.7	10257.8	10124.6	9997.7	9801.1	9877.2
15°	6204.2	6121.7	6273.9	6470.6	6559.4	6616.5	6622.9	6553.1	6419.9	6356.4
17.5°	4523.1	4542.1	4554.8	4669.0	4840.3	4973.5	4916.4	4840.3	4688.0	4611.9
20°	3723.8	3730.1	3755.5	3818.9	3876.0	4060.0	4002.9	3888.7	3742.8	3685.7
22.5°	3184.6	3197.2	3209.9	3248.0	3260.7	3311.4	3317.8	3216.3	3133.8	3102.1
25°	2803.9	2803.9	2823.0	2854.7	2867.4	2829.3	2835.6	2791.2	2715.1	2677.1
27.5°	2378.9	2391.6	2410.6	2423.3	2397.9	2353.5	2296.4	2334.5	2296.4	2207.6
30°	2118.8	2131.5	2188.6	2150.5	2093.4	2036.3	2004.6	2055.4	2061.7	1985.6
32.5°	2099.8	2106.1	2125.1	2106.1	2036.3	1966.6	1922.1	1979.2	1991.9	1960.2
35°	2194.9	2175.9	2201.3	2214.0	2144.2	2068.1	2011.0	2061.7	2099.8	2112.5
37.5°	2658.0	2550.2	2467.7	2442.3	2397.9	2347.2	2271.1	2283.7	2353.5	2417.0
40°	2531.1	2505.8	2474.1	2391.6	2309.1	2372.6	2283.7	2258.4	2417.0	2429.6
42.5°	2512.1	2531.1	2505.8	2404.3	2321.8	2385.2	2366.2	2290.1	2448.7	2429.6
45°	2524.8	2543.8	2600.9	2429.6	2359.9	2391.6	2429.6	2347.2	2505.8	2442.3
47.5°	2423.3	2448.7	2512.1	2417.0	2372.6	2366.2	2423.3	2347.2	2429.6	2423.3
50°	2290.1	2315.5	2334.5	2252.0	2334.5	2290.1	2296.4	2264.7	2264.7	2277.4
52.5°	2118.8	2144.2	2163.2	2068.1	2118.8	2137.8	2061.7	2055.4	1998.3	2017.3
55°	1909.5	1947.5	1966.6	1928.5	1903.1	1941.2	1833.3	1820.7	1706.5	1712.8
57.5°	1668.4	1706.5	1725.5	1769.9	1750.9	1674.7	1611.3	1560.6	1433.7	1382.9
60°	1719.2	1757.2	1719.2	1592.3	1592.3	1421.0	1363.9	1256.1	1129.2	1065.7
62.5°	1662.1	1712.8	1706.5	1573.2	1414.7	1199.0	1097.5	983.3	856.4	773.9
65°	1566.9	1617.7	1592.3	1503.5	1351.2	1027.7	875.4	761.2	602.7	583.6
67.5°	1408.3	1484.4	1433.7	1376.6	1256.1	932.5	697.8	570.9	437.7	437.7
70°	1167.2	1224.3	1256.1	1192.6	1122.8	875.4	596.3	437.7	317.2	241.1
72.5°	938.9	989.6	1040.4	1008.7	945.2	793.0	532.9	348.9	228.4	139.6
75°	520.2	539.2	558.2	634.4	723.2	647.1	488.5	304.5	190.3	107.8
77.5°	399.7	418.7	463.1	425.0	393.3	501.2	532.9	355.2	164.9	76.1
80°	310.8	336.2	475.8	393.3	336.2	380.6	456.7	310.8	107.8	38.1
82.5°	234.7	253.7	336.2	374.3	355.2	285.5	247.4	209.3	95.2	25.4
85°	171.3	196.7	234.7	209.3	203.0	203.0	272.8	184.0	69.8	19.0
87.5°	101.5	101.5	107.8	101.5	95.2	95.2	107.8	88.8	44.4	12.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

646514.8

632222.4

593436.8

514736.5

403163.0

286197.3

178322.2

96881.4

50394.6

28927.4

18872.6

9591.7

6254.9

4529.4

3622.3

3064.0

2645.3

2214.0

1960.2

1941.2

2112.5

2474.1

2448.7

2417.0

2423.3

2410.6

2233.0

1985.6

1668.4

1351.2

1015.0

761.2

583.6

387.0

215.7

133.2

95.2

38.1

25.4

19.0

12.7

12.7

0.0

OF REPORT)