

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: P635949

Luminaire Tested: **IFLD-L-SA7E-940-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635949
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7E-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: 29954.3 lumens
Efficiency: N/A
Efficacy: 56.2 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



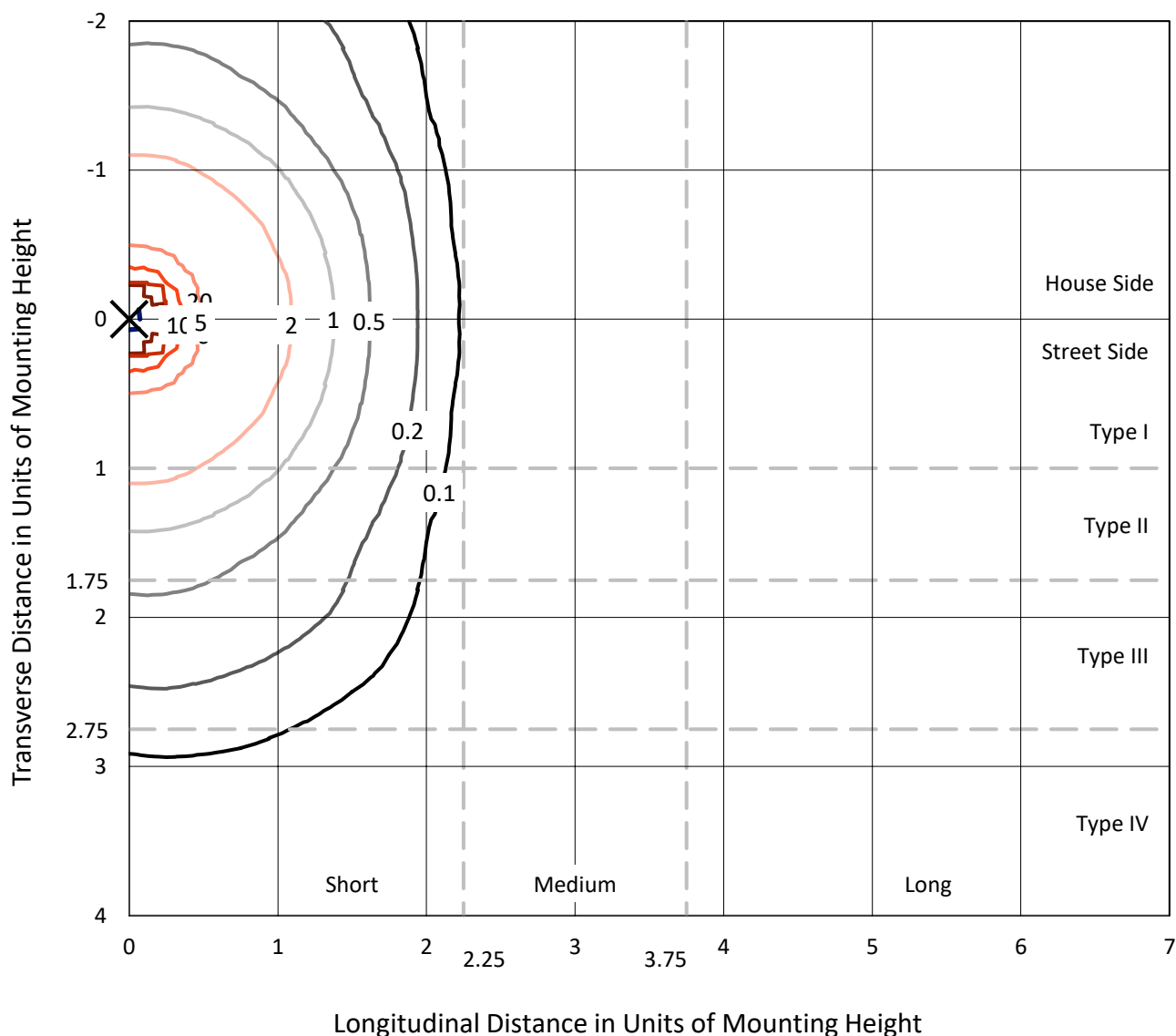
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

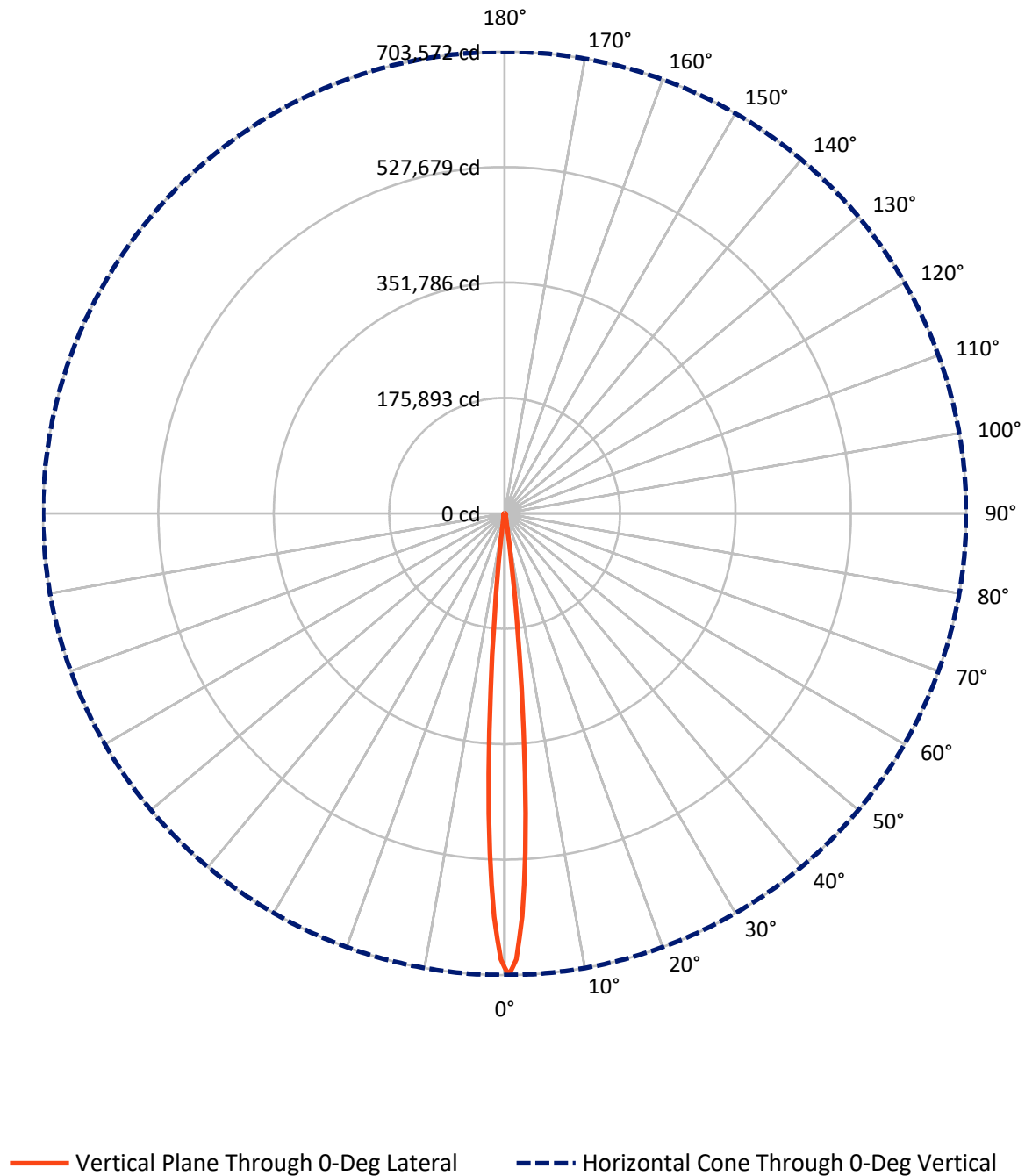


Based on 20 foot mounting height. Maximum calculated value = 1758.9 fc

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	14977.1	0.0	14977.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14977.1	0.0	14977.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	29954.3	0.0	29954.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18906.5	63.1
10°-20°	2336.6	7.8
20°-30°	1400.0	4.7
30°-40°	1505.3	5.0
40°-50°	2024.0	6.8
50°-60°	1804.3	6.0
60°-70°	1191.8	4.0
70°-80°	590.9	2.0
80°-90°	195.1	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°	29954.3	100.0
0°-180°	29954.3	100.0

Coefficient of Utilization



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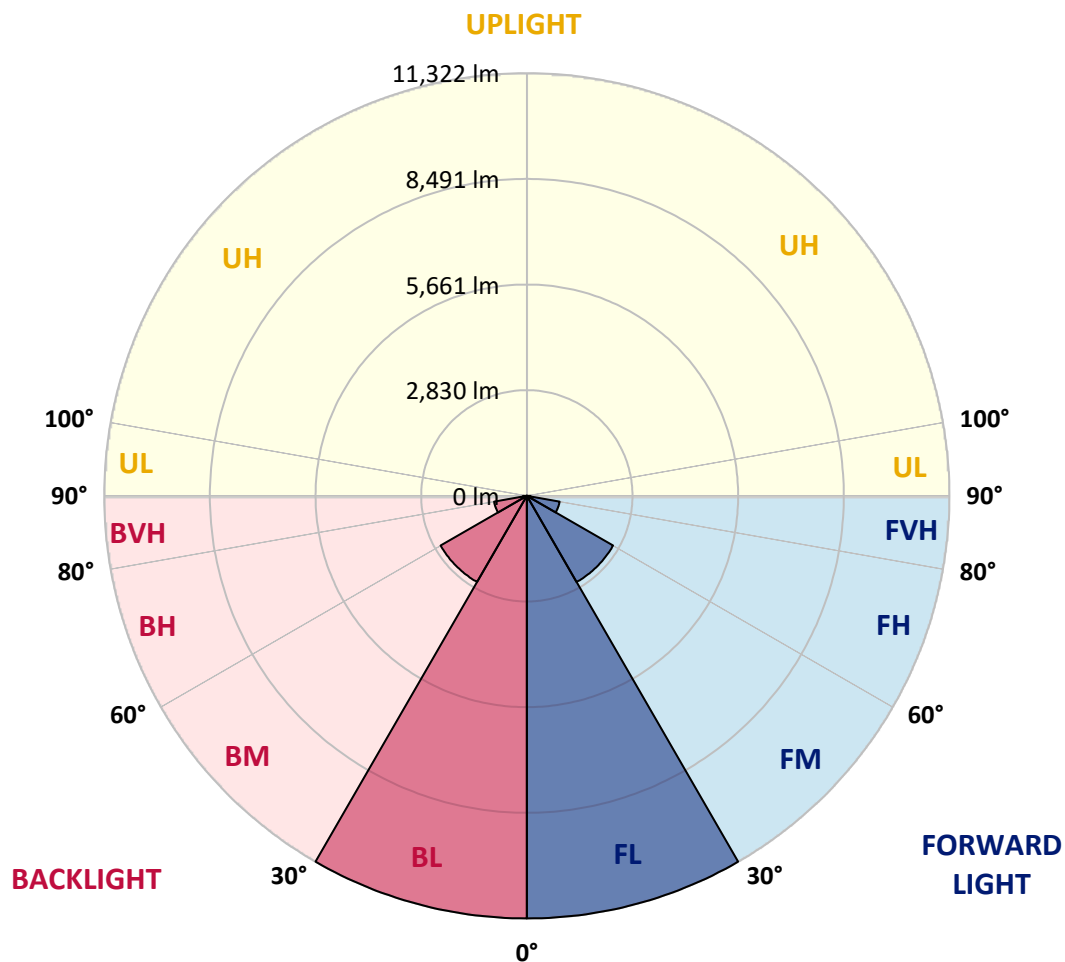
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	11321.5	37.8			
FM	(30°-60°)	2666.8	8.9			
FH	(60°-80°)	891.3	3.0			G1/1800
FVH	(80°-90°)	97.5	0.3			G1/100
BL	(0°-30°)	11321.5	37.8	B5		
BM	(30°-60°)	2666.8	8.9	B3/5000		
BH	(60°-80°)	891.3	3.0	B2/1000		G1/1800
BVH	(80°-90°)	97.5	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°	703571.7	703571.7	703571.7	703571.7	703571.7	703571.7	703571.7	703571.7	703571.7	703571.7
1°	679989.1	673009.5	676599.4	680030.5	684842.3	686961.7	689122.5	690737.9	690710.3	693375.1
2°	615047.1	603801.1	609013.3	615406.0	627770.4	631318.8	637249.0	644587.5	645036.2	651677.5
3°	518410.7	502622.2	510299.0	521683.0	542179.8	547481.7	556987.9	563698.2	560702.1	568475.5
4°	397812.0	377211.7	388940.9	405792.6	425743.9	445985.2	446385.6	451197.4	441318.4	440842.1
5°	268390.6	250227.2	265277.1	286353.7	303591.9	317737.4	326449.7	327050.3	316370.5	315397.1
6°	163690.8	151671.7	164767.8	187073.3	210952.8	216834.6	218167.0	215143.2	201135.9	193383.2
7°	90471.4	85569.9	98369.1	111679.3	130298.2	138907.0	132949.2	123284.2	118997.1	109767.0
8°	49892.2	47475.9	51127.9	62629.3	77078.5	82732.5	76981.8	66944.0	59716.0	57161.7
9°	30078.9	28739.6	30230.8	34607.7	40848.5	44769.7	41476.7	36533.8	33482.4	32633.2
10°	19979.0	19454.3	20089.4	21566.8	23810.5	24956.5	24134.9	22174.3	21249.2	21194.0
12.5°	10486.5	10389.9	10548.7	10714.4	11101.0	11163.1	11018.1	10880.0	10666.0	10748.9
15°	6751.7	6662.0	6827.6	7041.7	7138.3	7200.4	7207.3	7131.4	6986.4	6917.4
17.5°	4922.3	4943.0	4956.8	5081.0	5267.4	5412.4	5350.3	5267.4	5101.7	5018.9
20°	4052.4	4059.3	4086.9	4156.0	4218.1	4418.3	4356.2	4231.9	4073.1	4011.0
22.5°	3465.6	3479.4	3493.2	3534.6	3548.4	3603.7	3610.6	3500.1	3410.4	3375.9
25°	3051.4	3051.4	3072.1	3106.6	3120.4	3079.0	3085.9	3037.6	2954.7	2913.3
27.5°	2588.8	2602.7	2623.4	2637.2	2609.6	2561.2	2499.1	2540.5	2499.1	2402.4
30°	2305.8	2319.6	2381.7	2340.3	2278.2	2216.0	2181.5	2236.8	2243.7	2160.8
32.5°	2285.1	2292.0	2312.7	2292.0	2216.0	2140.1	2091.8	2153.9	2167.7	2133.2
35°	2388.6	2367.9	2395.5	2409.4	2333.4	2250.6	2188.4	2243.7	2285.1	2298.9
37.5°	2892.6	2775.2	2685.5	2657.9	2609.6	2554.3	2471.5	2485.3	2561.2	2630.3
40°	2754.5	2726.9	2692.4	2602.7	2512.9	2581.9	2485.3	2457.7	2630.3	2644.1
42.5°	2733.8	2754.5	2726.9	2616.5	2526.7	2595.7	2575.0	2492.2	2664.8	2644.1
45°	2747.6	2768.3	2830.5	2644.1	2568.1	2602.7	2644.1	2554.3	2726.9	2657.9
47.5°	2637.2	2664.8	2733.8	2630.3	2581.9	2575.0	2637.2	2554.3	2644.1	2637.2
50°	2492.2	2519.8	2540.5	2450.8	2540.5	2492.2	2499.1	2464.6	2464.6	2478.4
52.5°	2305.8	2333.4	2354.1	2250.6	2305.8	2326.5	2243.7	2236.8	2174.6	2195.3
55°	2078.0	2119.4	2140.1	2098.7	2071.1	2112.5	1995.1	1981.3	1857.1	1864.0
57.5°	1815.6	1857.1	1877.8	1926.1	1905.4	1822.5	1753.5	1698.3	1560.2	1505.0
60°	1870.9	1912.3	1870.9	1732.8	1732.8	1546.4	1484.3	1366.9	1228.8	1159.8
62.5°	1808.7	1864.0	1857.1	1712.1	1539.5	1304.8	1194.3	1070.1	932.0	842.2
65°	1705.2	1760.4	1732.8	1636.1	1470.5	1118.4	952.7	828.4	655.8	635.1
67.5°	1532.6	1615.4	1560.2	1498.1	1366.9	1014.8	759.4	621.3	476.3	476.3
70°	1270.3	1332.4	1366.9	1297.9	1221.9	952.7	648.9	476.3	345.2	262.3
72.5°	1021.7	1077.0	1132.2	1097.7	1028.6	862.9	579.9	379.7	248.5	151.9
75°	566.1	586.8	607.5	690.4	787.0	704.2	531.6	331.4	207.1	117.4
77.5°	434.9	455.6	504.0	462.5	428.0	545.4	579.9	386.6	179.5	82.8
80°	338.3	365.9	517.8	428.0	365.9	414.2	497.1	338.3	117.4	41.4
82.5°	255.4	276.1	365.9	407.3	386.6	310.7	269.2	227.8	103.6	27.6
85°	186.4	214.0	255.4	227.8	220.9	220.9	296.9	200.2	75.9	20.7
87.5°	110.5	110.5	117.4	110.5	103.6	103.6	117.4	96.7	48.3	13.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

703571.7

688017.9
645809.4
560163.6
438743.4
311455.1
194059.7
105431.5
54842.1
31480.3
20538.2
10438.2
6806.9
4929.2
3941.9
3334.4
2878.8
2409.4
2133.2
2112.5
2298.9
2692.4
2664.8
2630.3
2637.2
2623.4
2430.1
2160.8
1815.6
1470.5
1104.6
828.4
635.1
421.1
234.7
145.0
103.6
41.4
27.6
20.7
13.8
13.8
0.0

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