

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: P635953

Luminaire Tested: **IFLD-L-SA8D-940-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635953
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-940-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (128) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29580.8 lumens
Efficiency: N/A
Efficacy: 60.6 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): 488.3
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



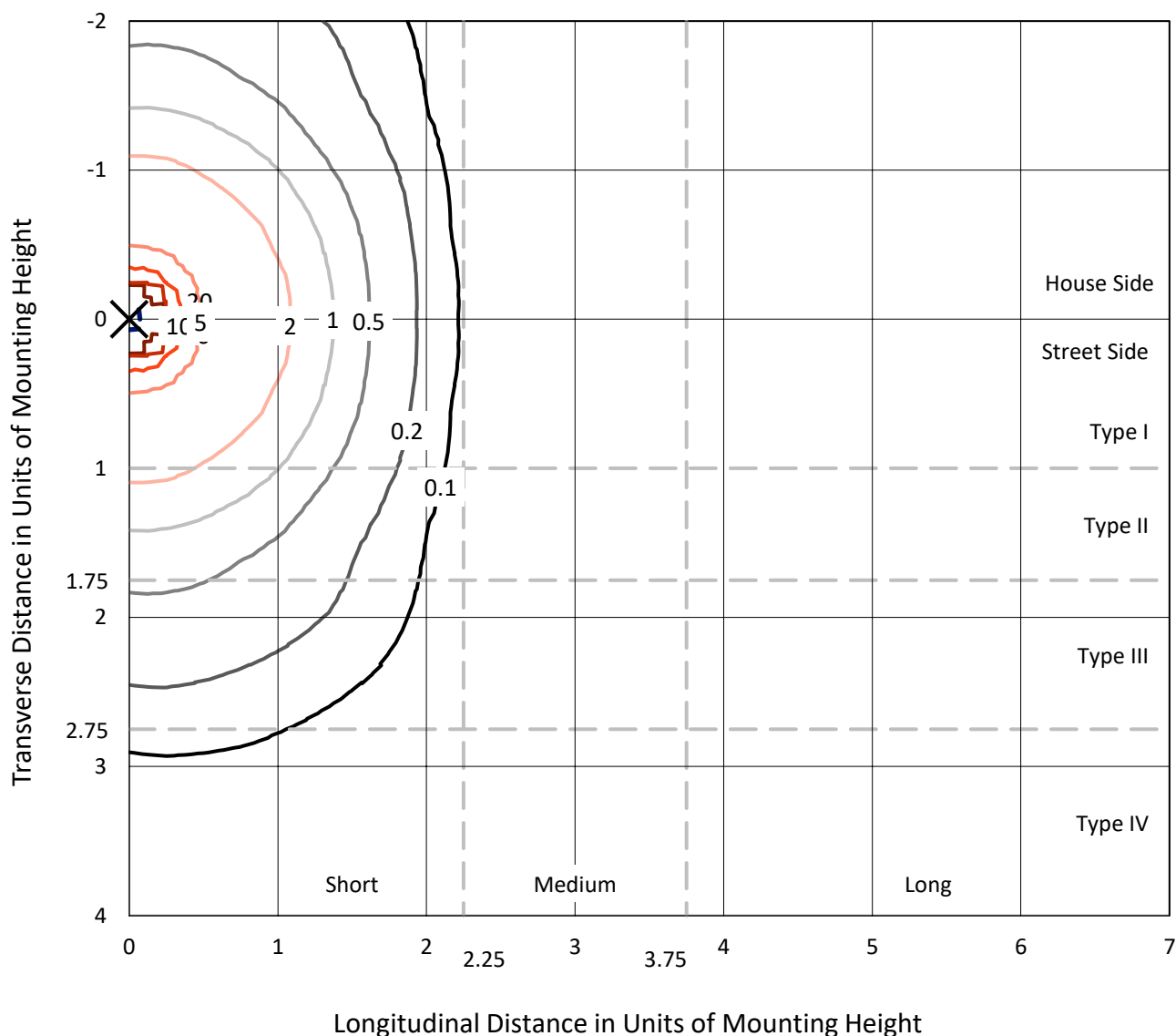
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

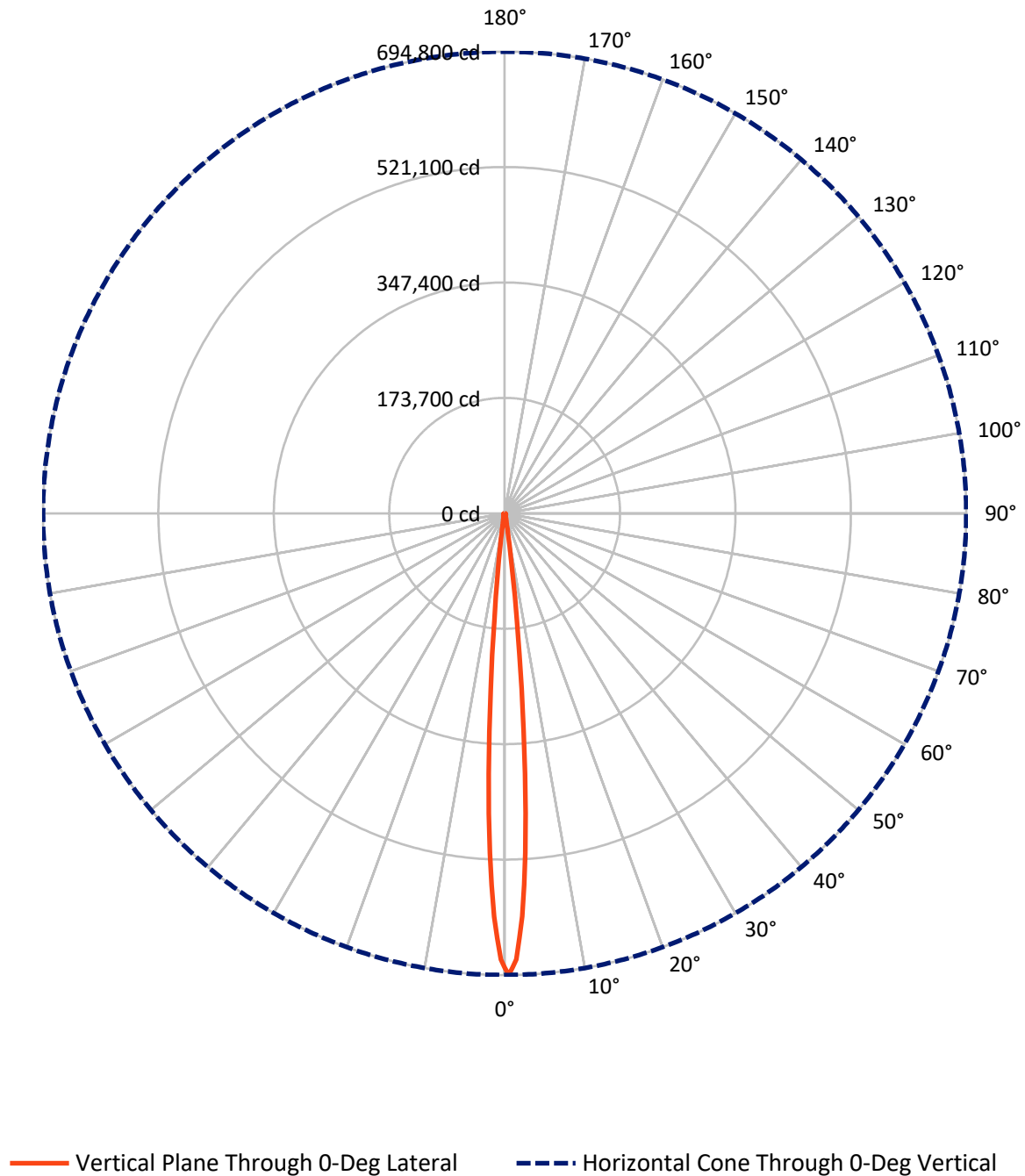
--- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1737 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	14790.4	0.0	14790.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14790.4	0.0	14790.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	29580.8	0.0	29580.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18670.7	63.1
10°-20°	2307.5	7.8
20°-30°	1382.5	4.7
30°-40°	1486.5	5.0
40°-50°	1998.8	6.8
50°-60°	1781.8	6.0
60°-70°	1176.9	4.0
70°-80°	583.5	2.0
80°-90°	192.7	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°	29580.8	100.0
0°-180°	29580.8	100.0



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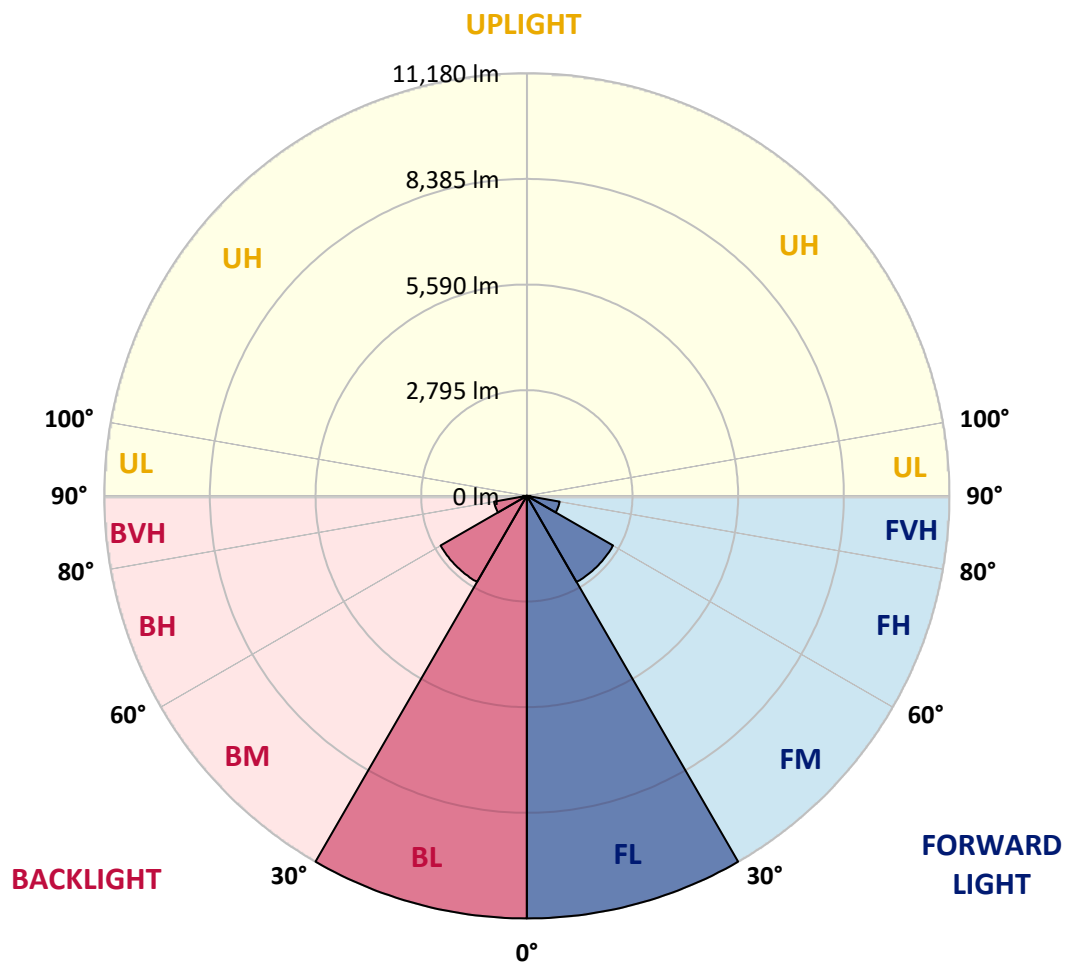
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	11180.4	37.8			
FM	(30°-60°)	2633.5	8.9			
FH	(60°-80°)	880.2	3.0			G1/1800
FVH	(80°-90°)	96.3	0.3			G1/100
BL	(0°-30°)	11180.4	37.8	B5		
BM	(30°-60°)	2633.5	8.9	B3/5000		
BH	(60°-80°)	880.2	3.0	B2/1000		G1/1800
BVH	(80°-90°)	96.3	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°	694800.2	694800.2	694800.2	694800.2	694800.2	694800.2	694800.2	694800.2	694800.2	694800.2
1°	671511.5	664619.0	668164.1	671552.4	676304.3	678397.2	680531.1	682126.4	682099.1	684730.7
2°	607379.2	596273.5	601420.7	607733.7	619943.9	623448.1	629304.3	636551.3	636994.5	643552.9
3°	511947.6	496356.0	503937.0	515179.1	535420.3	540656.2	550043.9	556670.5	553711.7	561388.2
4°	392852.5	372509.0	384091.9	400733.5	420436.1	440425.1	440820.5	445572.3	435816.4	435346.0
5°	265044.5	247107.6	261969.8	282783.7	299807.0	313776.1	322379.8	322972.9	312426.2	311465.0
6°	161650.1	149780.8	162713.6	184741.0	208322.8	214131.3	215447.1	212461.0	198628.3	190972.2
7°	89343.5	84503.1	97142.8	110286.9	128673.8	137175.2	131291.7	121747.2	117513.5	108398.5
8°	49270.2	46884.0	50490.5	61848.5	76117.5	81701.1	76022.1	66109.4	58971.5	56449.0
9°	29703.9	28381.3	29853.9	34176.2	40339.2	44211.6	40959.6	36078.3	33064.9	32226.4
10°	19729.9	19211.8	19839.0	21297.9	23513.6	24645.3	23834.0	21897.9	20984.3	20929.8
12.5°	10355.8	10260.4	10417.2	10580.8	10962.6	11023.9	10880.8	10744.4	10533.1	10614.9
15°	6667.5	6578.9	6742.5	6953.9	7049.3	7110.7	7117.5	7042.5	6899.3	6831.1
17.5°	4860.9	4881.3	4895.0	5017.7	5201.8	5344.9	5283.6	5201.8	5038.1	4956.3
20°	4001.9	4008.7	4036.0	4104.1	4165.5	4363.2	4301.9	4179.1	4022.3	3961.0
22.5°	3422.4	3436.0	3449.7	3490.6	3504.2	3558.7	3565.6	3456.5	3367.9	3333.8
25°	3013.3	3013.3	3033.8	3067.9	3081.5	3040.6	3047.4	2999.7	2917.9	2877.0
27.5°	2556.6	2570.2	2590.7	2604.3	2577.0	2529.3	2467.9	2508.8	2467.9	2372.5
30°	2277.0	2290.7	2352.0	2311.1	2249.8	2188.4	2154.3	2208.9	2215.7	2133.9
32.5°	2256.6	2263.4	2283.9	2263.4	2188.4	2113.4	2065.7	2127.1	2140.7	2106.6
35°	2358.9	2338.4	2365.7	2379.3	2304.3	2222.5	2161.2	2215.7	2256.6	2270.2
37.5°	2856.5	2740.6	2652.0	2624.7	2577.0	2522.5	2440.7	2454.3	2529.3	2597.5
40°	2720.2	2692.9	2658.8	2570.2	2481.6	2549.8	2454.3	2427.0	2597.5	2611.1
42.5°	2699.7	2720.2	2692.9	2583.8	2495.2	2563.4	2542.9	2461.1	2631.6	2611.1
45°	2713.4	2733.8	2795.2	2611.1	2536.1	2570.2	2611.1	2522.5	2692.9	2624.7
47.5°	2604.3	2631.6	2699.7	2597.5	2549.8	2542.9	2604.3	2522.5	2611.1	2604.3
50°	2461.1	2488.4	2508.8	2420.2	2508.8	2461.1	2467.9	2433.9	2433.9	2447.5
52.5°	2277.0	2304.3	2324.8	2222.5	2277.0	2297.5	2215.7	2208.9	2147.5	2168.0
55°	2052.1	2093.0	2113.4	2072.5	2045.3	2086.2	1970.3	1956.6	1833.9	1840.7
57.5°	1793.0	1833.9	1854.4	1902.1	1881.6	1799.8	1731.6	1677.1	1540.8	1486.2
60°	1847.5	1888.5	1847.5	1711.2	1711.2	1527.1	1465.8	1349.9	1213.5	1145.3
62.5°	1786.2	1840.7	1833.9	1690.7	1520.3	1288.5	1179.4	1056.7	920.4	831.7
65°	1683.9	1738.5	1711.2	1615.8	1452.1	1104.4	940.8	818.1	647.7	627.2
67.5°	1513.5	1595.3	1540.8	1479.4	1349.9	1002.2	749.9	613.6	470.4	470.4
70°	1254.4	1315.8	1349.9	1281.7	1206.7	940.8	640.8	470.4	340.9	259.1
72.5°	1009.0	1063.5	1118.1	1084.0	1015.8	852.2	572.7	375.0	245.4	150.0
75°	559.0	579.5	599.9	681.8	777.2	695.4	524.9	327.2	204.5	115.9
77.5°	429.5	450.0	497.7	456.8	422.7	538.6	572.7	381.8	177.3	81.8
80°	334.1	361.3	511.3	422.7	361.3	409.1	490.9	334.1	115.9	40.9
82.5°	252.2	272.7	361.3	402.2	381.8	306.8	265.9	225.0	102.3	27.3
85°	184.1	211.3	252.2	225.0	218.2	218.2	293.2	197.7	75.0	20.5
87.5°	109.1	109.1	115.9	109.1	102.3	102.3	115.9	95.4	47.7	13.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

694800.2

679440.3

637758.0

553179.9

433273.5

307572.2

191640.3

104117.1

54158.3

31087.9

20282.1

10308.1

6722.1

4867.7

3892.8

3292.9

2842.9

2379.3

2106.6

2086.2

2270.2

2658.8

2631.6

2597.5

2604.3

2590.7

2399.8

2133.9

1793.0

1452.1

1090.8

818.1

627.2

415.9

231.8

143.2

102.3

40.9

27.3

20.5

13.6

13.6

0.0

OF REPORT)