

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: P635895

Luminaire Tested: **IFLD-L-SA8D-930-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635895
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-930-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (128) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26199.5 lumens
Efficiency: N/A
Efficacy: 53.7 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): 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



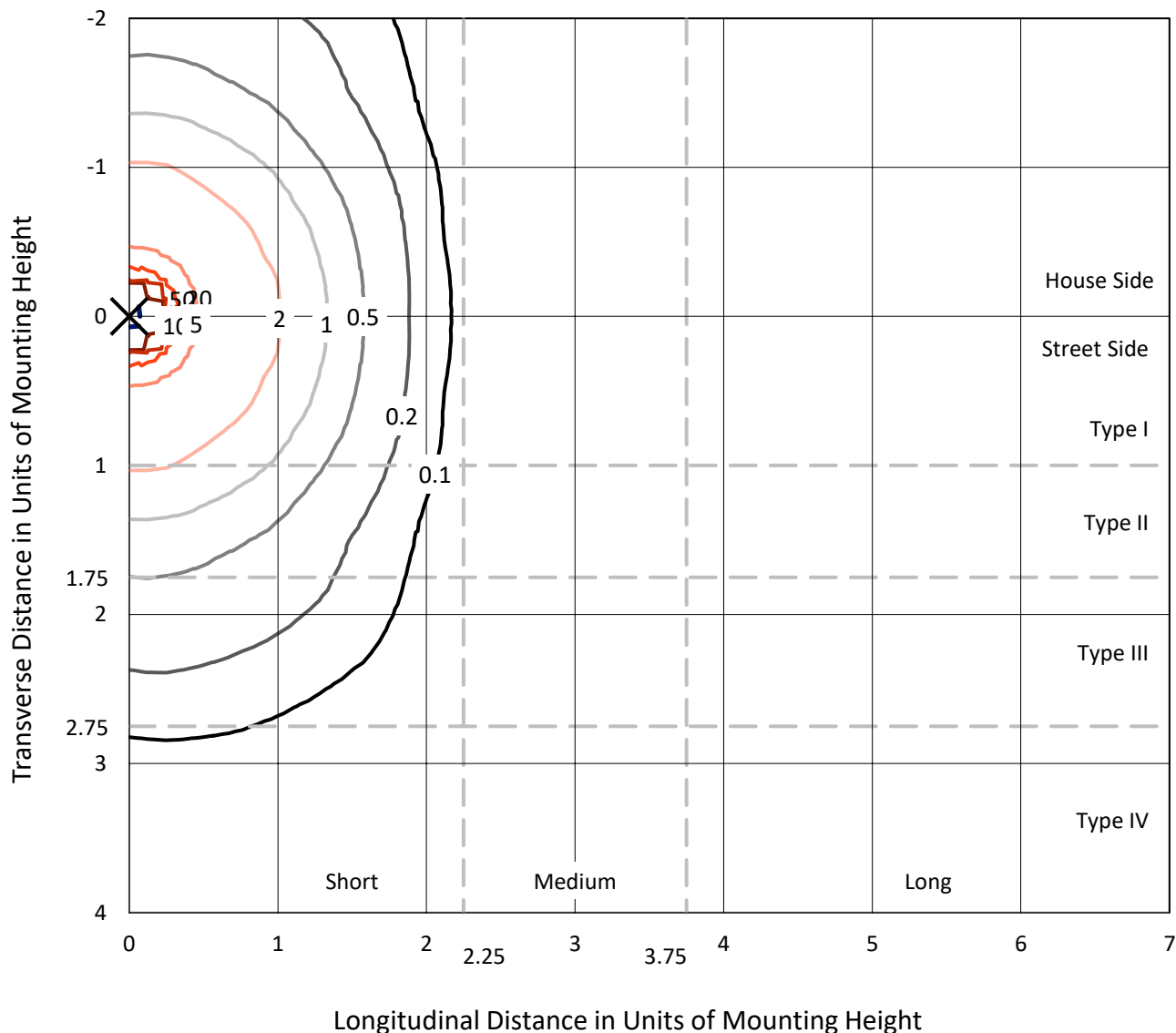
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

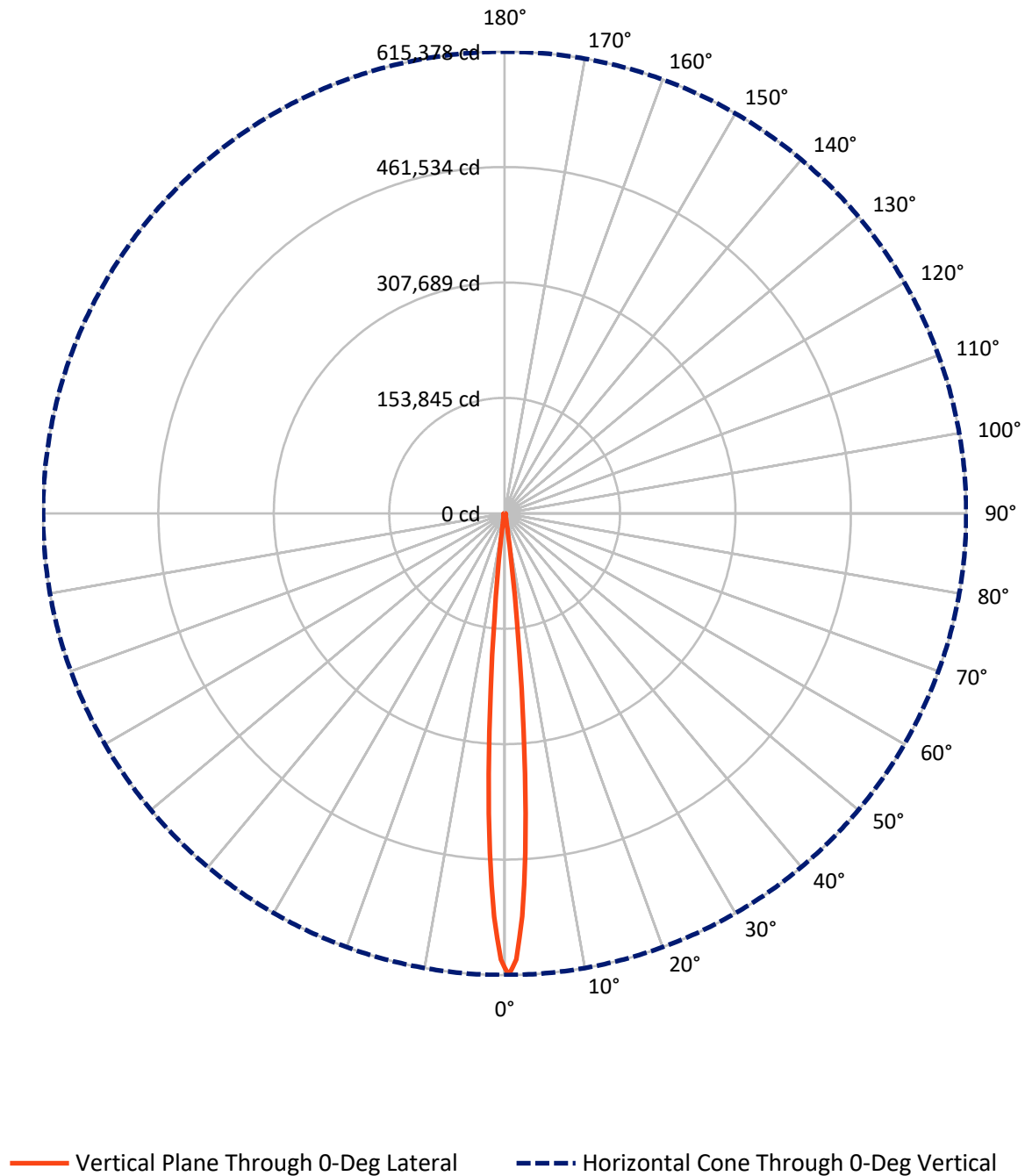


Based on 20 foot mounting height. Maximum calculated value = 1538.4 fc

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	13099.7	0.0	13099.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13099.7	0.0	13099.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	26199.5	0.0	26199.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16536.5	63.1
10°-20°	2043.7	7.8
20°-30°	1224.5	4.7
30°-40°	1316.6	5.0
40°-50°	1770.3	6.8
50°-60°	1578.1	6.0
60°-70°	1042.4	4.0
70°-80°	516.8	2.0
80°-90°	170.6	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°	26199.5	100.0
0°-180°	26199.5	100.0

Coefficient of Utilization



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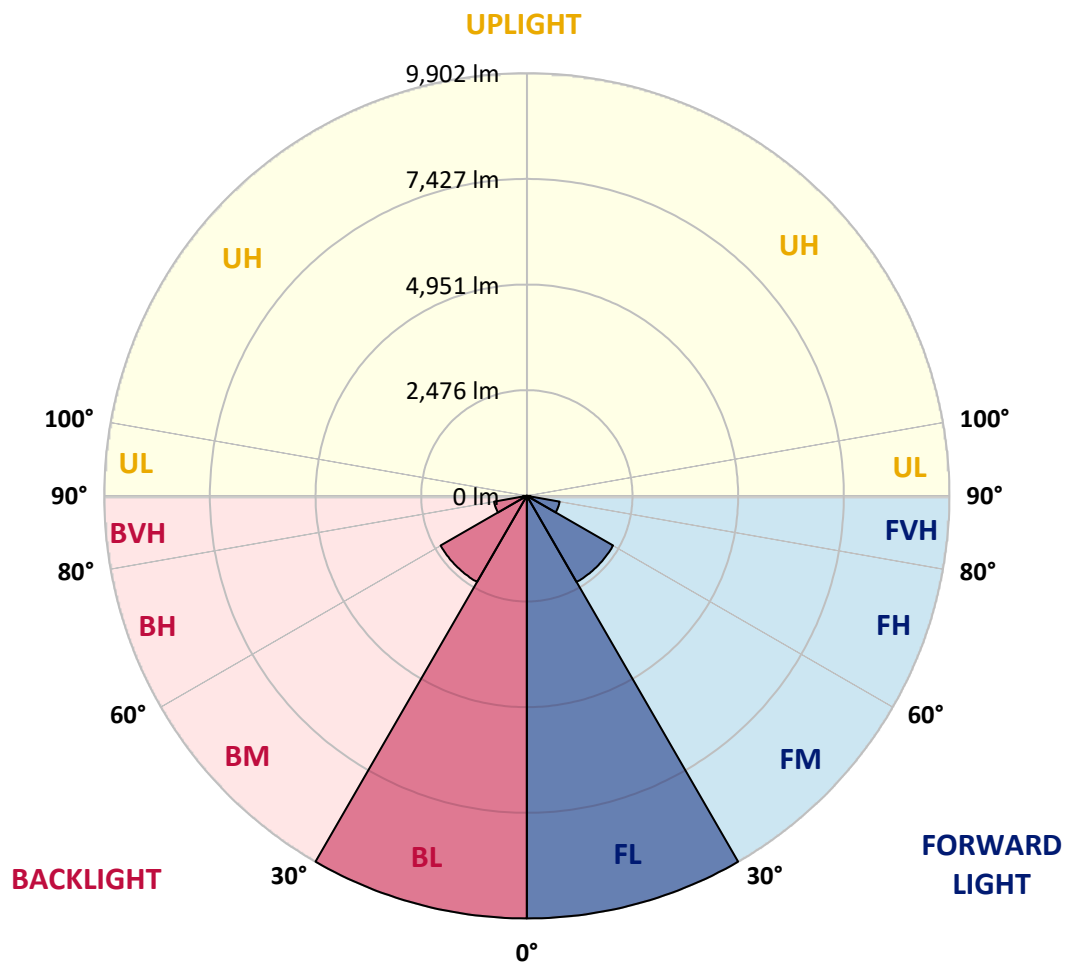
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	9902.3	37.8			
FM	(30°-60°)	2332.5	8.9			
FH	(60°-80°)	779.6	3.0			G1/1800
FVH	(80°-90°)	85.3	0.3			G1/100
BL	(0°-30°)	9902.3	37.8	B5		
BM	(30°-60°)	2332.5	8.9	B2/2500		
BH	(60°-80°)	779.6	3.0	B2/1000		G1/1800
BVH	(80°-90°)	85.3	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°	615378.0	615378.0	615378.0	615378.0	615378.0	615378.0	615378.0	615378.0	615378.0	615378.0
1°	594751.4	588646.8	591786.7	594787.7	598996.3	600850.0	602740.0	604152.9	604128.8	606459.5
2°	537950.0	528113.8	532672.6	538264.0	549078.4	552182.1	557368.9	563787.5	564180.0	569988.7
3°	453427.2	439617.8	446332.3	456289.3	474216.7	478854.1	487168.7	493037.8	490417.2	497216.3
4°	347945.7	329927.7	340186.6	354925.9	372376.3	390080.3	390430.5	394639.2	385998.5	385581.9
5°	234747.4	218860.9	232024.2	250458.8	265536.2	277908.5	285528.8	286054.1	276713.0	275861.6
6°	143172.0	132659.4	144113.9	163623.4	184509.5	189654.1	190819.5	188174.7	175923.2	169142.3
7°	79130.7	74843.6	86038.4	97680.1	113965.1	121494.8	116283.8	107830.3	104080.6	96007.5
8°	43638.1	41524.8	44719.0	54778.6	67416.6	72361.9	67332.1	58552.5	52230.5	49996.4
9°	26308.5	25137.1	26441.3	30269.5	35728.1	39157.8	36277.6	31954.2	29285.3	28542.6
10°	17474.6	17015.7	17571.2	18863.4	20825.8	21828.1	21109.6	19394.7	18585.6	18537.3
12.5°	9172.0	9087.5	9226.4	9371.3	9709.4	9763.8	9637.0	9516.2	9329.0	9401.5
15°	5905.4	5826.9	5971.8	6159.0	6243.5	6297.9	6303.9	6237.5	6110.7	6050.3
17.5°	4305.2	4323.4	4335.4	4444.1	4607.2	4734.0	4679.6	4607.2	4462.2	4389.8
20°	3544.4	3550.5	3574.6	3635.0	3689.3	3864.5	3810.1	3701.4	3562.5	3508.2
22.5°	3031.2	3043.3	3055.3	3091.6	3103.6	3151.9	3158.0	3061.4	2982.9	2952.7
25°	2668.9	2668.9	2687.0	2717.2	2729.3	2693.0	2699.1	2656.8	2584.4	2548.1
27.5°	2264.3	2276.4	2294.5	2306.6	2282.4	2240.2	2185.8	2222.1	2185.8	2101.3
30°	2016.8	2028.8	2083.2	2047.0	1992.6	1938.3	1908.1	1956.4	1962.4	1890.0
32.5°	1998.6	2004.7	2022.8	2004.7	1938.3	1871.8	1829.6	1883.9	1896.0	1865.8
35°	2089.2	2071.1	2095.3	2107.3	2040.9	1968.5	1914.1	1962.4	1998.6	2010.7
37.5°	2530.0	2427.4	2348.9	2324.7	2282.4	2234.1	2161.7	2173.8	2240.2	2300.6
40°	2409.2	2385.1	2354.9	2276.4	2197.9	2258.3	2173.8	2149.6	2300.6	2312.6
42.5°	2391.1	2409.2	2385.1	2288.5	2210.0	2270.4	2252.3	2179.8	2330.7	2312.6
45°	2403.2	2421.3	2475.7	2312.6	2246.2	2276.4	2312.6	2234.1	2385.1	2324.7
47.5°	2306.6	2330.7	2391.1	2300.6	2258.3	2252.3	2306.6	2234.1	2312.6	2306.6
50°	2179.8	2203.9	2222.1	2143.6	2222.1	2179.8	2185.8	2155.6	2155.6	2167.7
52.5°	2016.8	2040.9	2059.0	1968.5	2016.8	2034.9	1962.4	1956.4	1902.0	1920.2
55°	1817.5	1853.7	1871.8	1835.6	1811.5	1847.7	1745.0	1733.0	1624.3	1630.3
57.5°	1588.0	1624.3	1642.4	1684.7	1666.5	1594.1	1533.7	1485.4	1364.6	1316.3
60°	1636.4	1672.6	1636.4	1515.6	1515.6	1352.6	1298.2	1195.6	1074.8	1014.4
62.5°	1582.0	1630.3	1624.3	1497.5	1346.5	1141.2	1044.6	935.9	815.2	736.7
65°	1491.4	1539.7	1515.6	1431.1	1286.1	978.2	833.3	724.6	573.6	555.5
67.5°	1340.5	1412.9	1364.6	1310.3	1195.6	887.6	664.2	543.4	416.6	416.6
70°	1111.0	1165.4	1195.6	1135.2	1068.8	833.3	567.6	416.6	301.9	229.5
72.5°	893.7	942.0	990.3	960.1	899.7	754.8	507.2	332.1	217.4	132.8
75°	495.1	513.2	531.4	603.8	688.4	615.9	464.9	289.8	181.1	102.6
77.5°	380.4	398.5	440.8	404.6	374.4	477.0	507.2	338.1	157.0	72.5
80°	295.9	320.0	452.9	374.4	320.0	362.3	434.8	295.9	102.6	36.2
82.5°	223.4	241.5	320.0	356.3	338.1	271.7	235.5	199.3	90.6	24.2
85°	163.0	187.2	223.4	199.3	193.2	193.2	259.6	175.1	66.4	18.1
87.5°	96.6	96.6	102.6	96.6	90.6	90.6	102.6	84.5	42.3	12.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

615378.0

601773.9
564856.3
489946.3
383746.2
272413.8
169734.0
92215.5
47967.5
27534.2
17963.7
9129.8
5953.7
4311.3
3447.8
2916.5
2517.9
2107.3
1865.8
1847.7
2010.7
2354.9
2330.7
2300.6
2306.6
2294.5
2125.4
1890.0
1588.0
1286.1
966.1
724.6
555.5
368.3
205.3
126.8
90.6
36.2
24.2
18.1
12.1
12.1
0.0

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