

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: P635866

Luminaire Tested: **IFLD-L-SA8D-927-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635866
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-927-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (128) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25917 lumens
Efficiency: N/A
Efficacy: 53.1 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



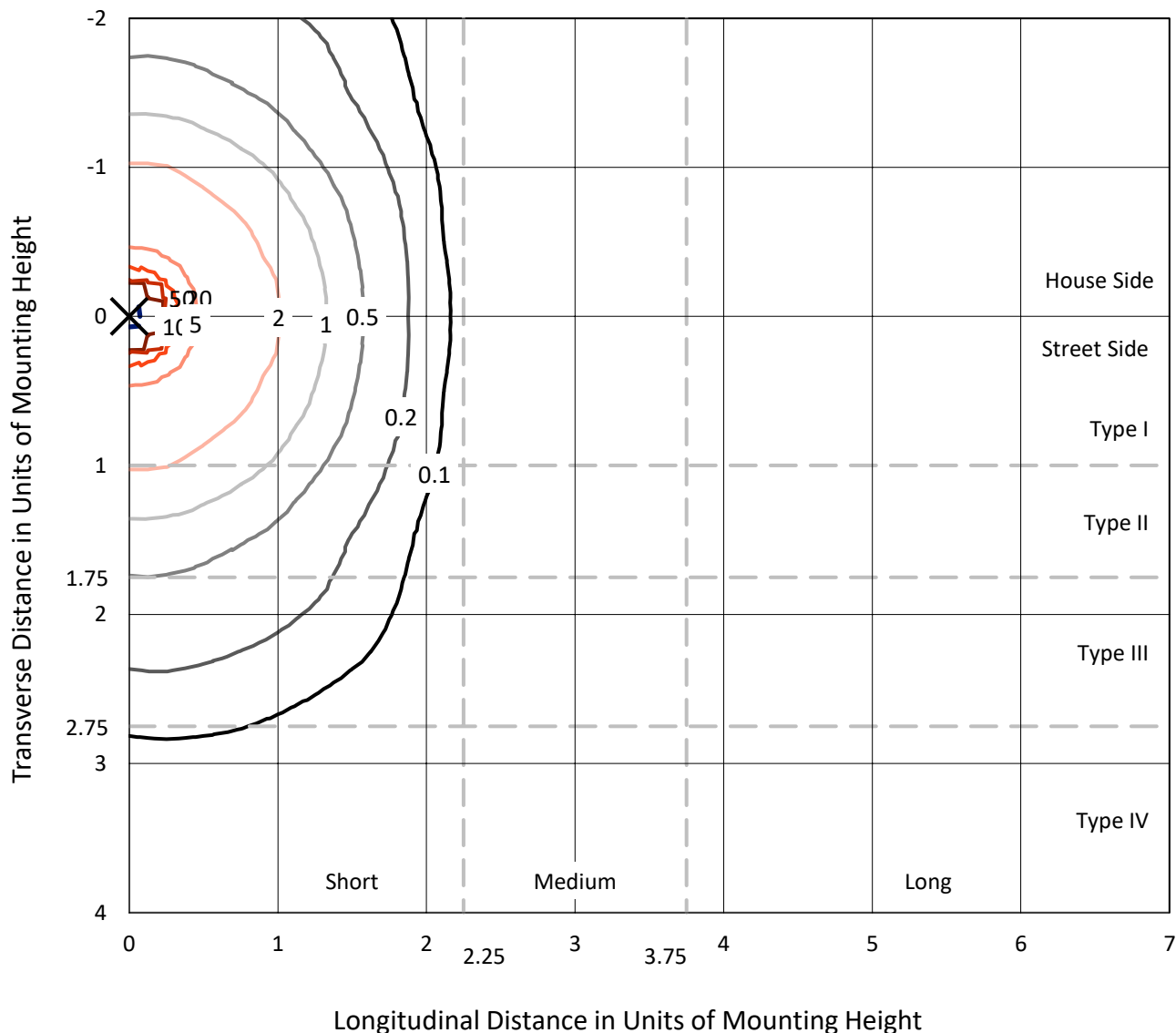
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

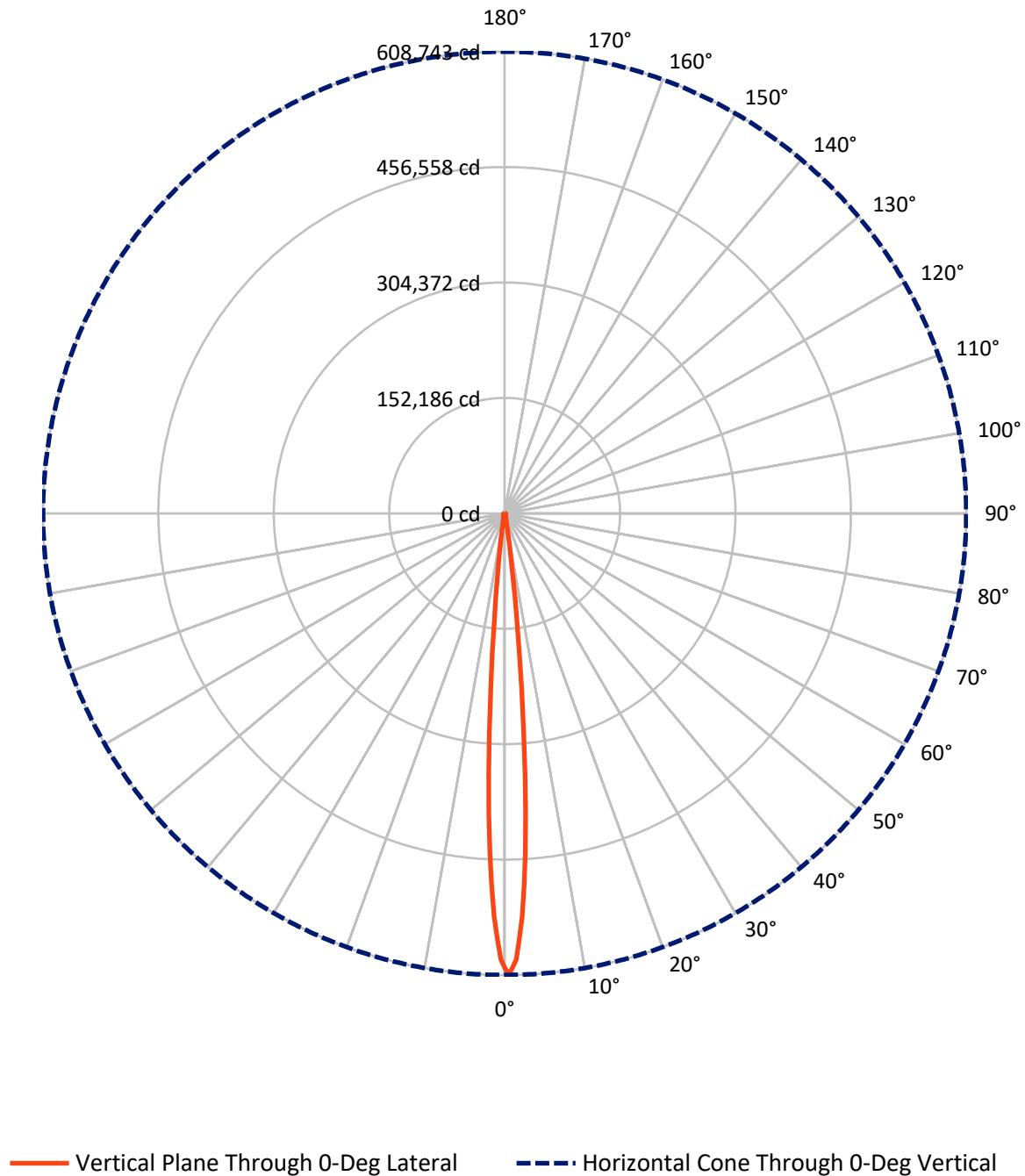


Based on 20 foot mounting height. Maximum calculated value = 1521.9 fc

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	12958.5	0.0	12958.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12958.5	0.0	12958.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	25917.0	0.0	25917.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16358.2	63.1
10°-20°	2021.7	7.8
20°-30°	1211.3	4.7
30°-40°	1302.4	5.0
40°-50°	1751.2	6.8
50°-60°	1561.1	6.0
60°-70°	1031.1	4.0
70°-80°	511.2	2.0
80°-90°	168.8	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°	25917.0	100.0
0°-180°	25917.0	100.0

Coefficient of Utilization



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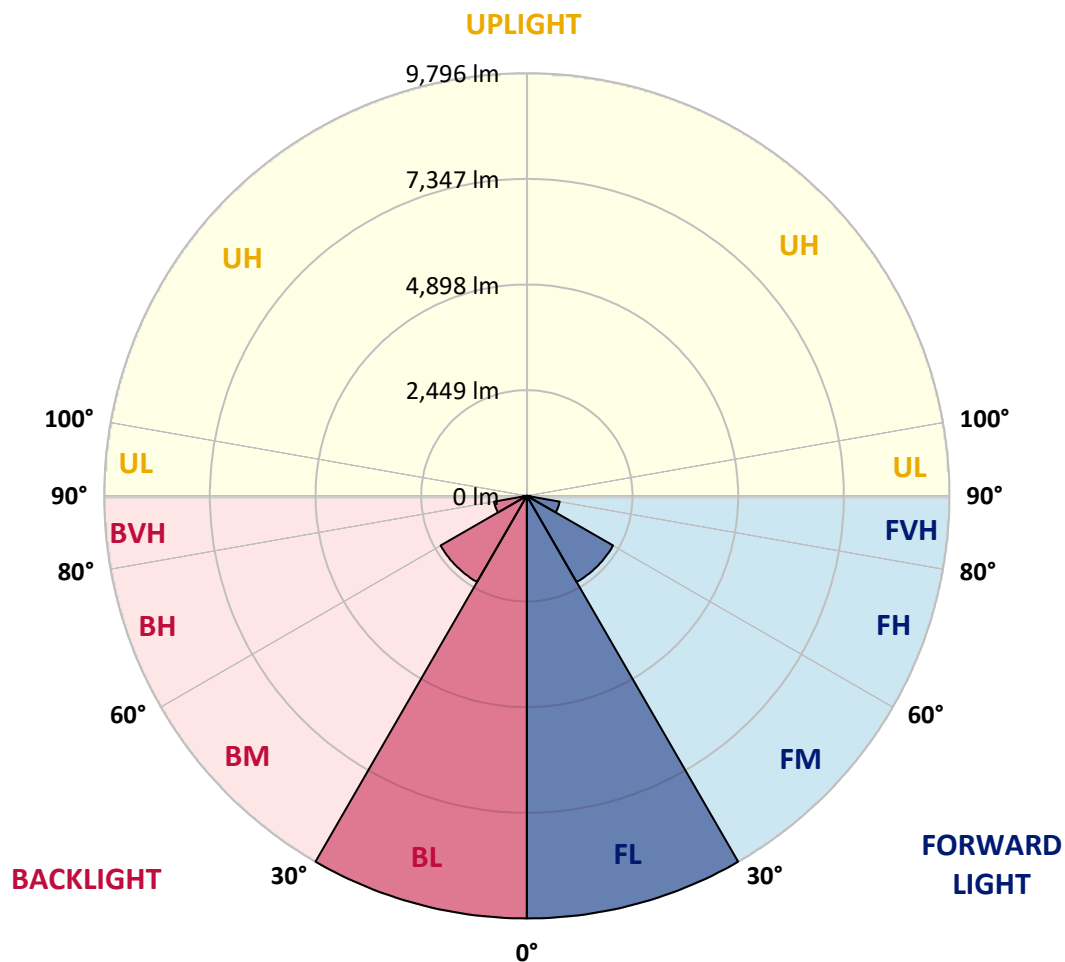
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	9795.6	37.8			
FM	(30°-60°)	2307.3	8.9			
FH	(60°-80°)	771.2	3.0			G1/1800
FVH	(80°-90°)	84.4	0.3			G1/100
BL	(0°-30°)	9795.6	37.8	B5		
BM	(30°-60°)	2307.3	8.9	B2/2500		
BH	(60°-80°)	771.2	3.0	B2/1000		G1/1800
BVH	(80°-90°)	84.4	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°	608743.4	608743.4	608743.4	608743.4	608743.4	608743.4	608743.4	608743.4	608743.4	608743.4
1°	588339.3	582300.5	585406.5	588375.1	592538.4	594372.1	596241.7	597639.4	597615.5	599921.1
2°	532150.2	522420.0	526929.7	532460.8	543158.7	546228.9	551359.8	557709.2	558097.4	563843.6
3°	448538.7	434878.2	441520.3	451369.9	469104.1	473691.4	481916.4	487722.3	485129.9	491855.6
4°	344194.4	326370.7	336519.0	351099.3	368361.6	385874.8	386221.2	390384.5	381837.0	381424.8
5°	232216.6	216501.3	229522.7	247758.6	262673.4	274912.3	282450.4	282970.1	273729.7	272887.4
6°	141628.4	131229.2	142560.2	161859.3	182520.3	187609.4	188762.2	186146.0	174026.5	167318.7
7°	78277.6	74036.7	85110.8	96627.0	112736.5	120184.9	115030.1	106667.8	102958.5	94972.4
8°	43167.7	41077.1	44236.8	54188.0	66689.8	71581.7	66606.1	57921.2	51667.4	49457.3
9°	26024.8	24866.1	26156.2	29943.2	35342.9	38735.6	35886.4	31609.7	28969.6	28234.9
10°	17286.2	16832.2	17381.7	18660.0	20601.3	21592.8	20882.0	19185.6	18385.2	18337.4
12.5°	9073.2	8989.5	9126.9	9270.3	9604.8	9658.5	9533.1	9413.6	9228.5	9300.1
15°	5841.7	5764.0	5907.4	6092.6	6176.2	6230.0	6235.9	6170.2	6044.8	5985.1
17.5°	4258.8	4276.7	4288.7	4396.2	4557.5	4682.9	4629.2	4557.5	4414.1	4342.5
20°	3506.2	3512.2	3536.1	3595.8	3649.6	3822.8	3769.0	3661.5	3524.1	3470.4
22.5°	2998.5	3010.4	3022.4	3058.2	3070.2	3118.0	3123.9	3028.4	2950.7	2920.9
25°	2640.1	2640.1	2658.0	2687.9	2699.8	2664.0	2670.0	2628.2	2556.5	2520.7
27.5°	2239.9	2251.9	2269.8	2281.7	2257.8	2216.0	2162.3	2198.1	2162.3	2078.6
30°	1995.0	2007.0	2060.7	2024.9	1971.1	1917.4	1887.5	1935.3	1941.3	1869.6
32.5°	1977.1	1983.1	2001.0	1983.1	1917.4	1851.7	1809.9	1863.6	1875.6	1845.7
35°	2066.7	2048.8	2072.7	2084.6	2018.9	1947.2	1893.5	1941.3	1977.1	1989.0
37.5°	2502.7	2401.2	2323.5	2299.6	2257.8	2210.1	2138.4	2150.3	2216.0	2275.8
40°	2383.3	2359.4	2329.5	2251.9	2174.2	2233.9	2150.3	2126.4	2275.8	2287.7
42.5°	2365.4	2383.3	2359.4	2263.8	2186.2	2245.9	2228.0	2156.3	2305.6	2287.7
45°	2377.3	2395.2	2449.0	2287.7	2222.0	2251.9	2287.7	2210.1	2359.4	2299.6
47.5°	2281.7	2305.6	2365.4	2275.8	2233.9	2228.0	2281.7	2210.1	2287.7	2281.7
50°	2156.3	2180.2	2198.1	2120.5	2198.1	2156.3	2162.3	2132.4	2132.4	2144.3
52.5°	1995.0	2018.9	2036.8	1947.2	1995.0	2012.9	1941.3	1935.3	1881.5	1899.4
55°	1797.9	1833.7	1851.7	1815.8	1791.9	1827.8	1726.2	1714.3	1606.8	1612.7
57.5°	1570.9	1606.8	1624.7	1666.5	1648.6	1576.9	1517.2	1469.4	1349.9	1302.1
60°	1618.7	1654.6	1618.7	1499.3	1499.3	1338.0	1284.2	1182.7	1063.2	1003.5
62.5°	1565.0	1612.7	1606.8	1481.3	1332.0	1128.9	1033.3	925.8	806.4	728.7
65°	1475.4	1523.1	1499.3	1415.6	1272.3	967.6	824.3	716.8	567.4	549.5
67.5°	1326.0	1397.7	1349.9	1296.2	1182.7	878.0	657.0	537.6	412.1	412.1
70°	1099.1	1152.8	1182.7	1122.9	1057.2	824.3	561.5	412.1	298.7	227.0
72.5°	884.0	931.8	979.6	949.7	890.0	746.6	501.7	328.5	215.0	131.4
75°	489.8	507.7	525.6	597.3	680.9	609.3	459.9	286.7	179.2	101.5
77.5°	376.3	394.2	436.0	400.2	370.3	471.9	501.7	334.5	155.3	71.7
80°	292.7	316.6	448.0	370.3	316.6	358.4	430.1	292.7	101.5	35.8
82.5°	221.0	238.9	316.6	352.4	334.5	268.8	233.0	197.1	89.6	23.9
85°	161.3	185.2	221.0	197.1	191.1	191.1	256.8	173.2	65.7	17.9
87.5°	95.6	95.6	101.5	95.6	89.6	89.6	101.5	83.6	41.8	11.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

608743.4

595286.0
558766.4
484664.0
379609.0
269476.8
167904.1
91221.3
47450.4
27237.4
17770.0
9031.3
5889.5
4264.8
3410.6
2885.0
2490.8
2084.6
1845.7
1827.8
1989.0
2329.5
2305.6
2275.8
2281.7
2269.8
2102.5
1869.6
1570.9
1272.3
955.7
716.8
549.5
364.4
203.1
125.4
89.6
35.8
23.9
17.9
11.9
11.9
0.0

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