

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: P635939

Luminaire Tested: **IFLD-S-SA6E-940-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635939
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-940-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (96) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28076.7 lumens
Efficiency: N/A
Efficacy: 60.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 464.2
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

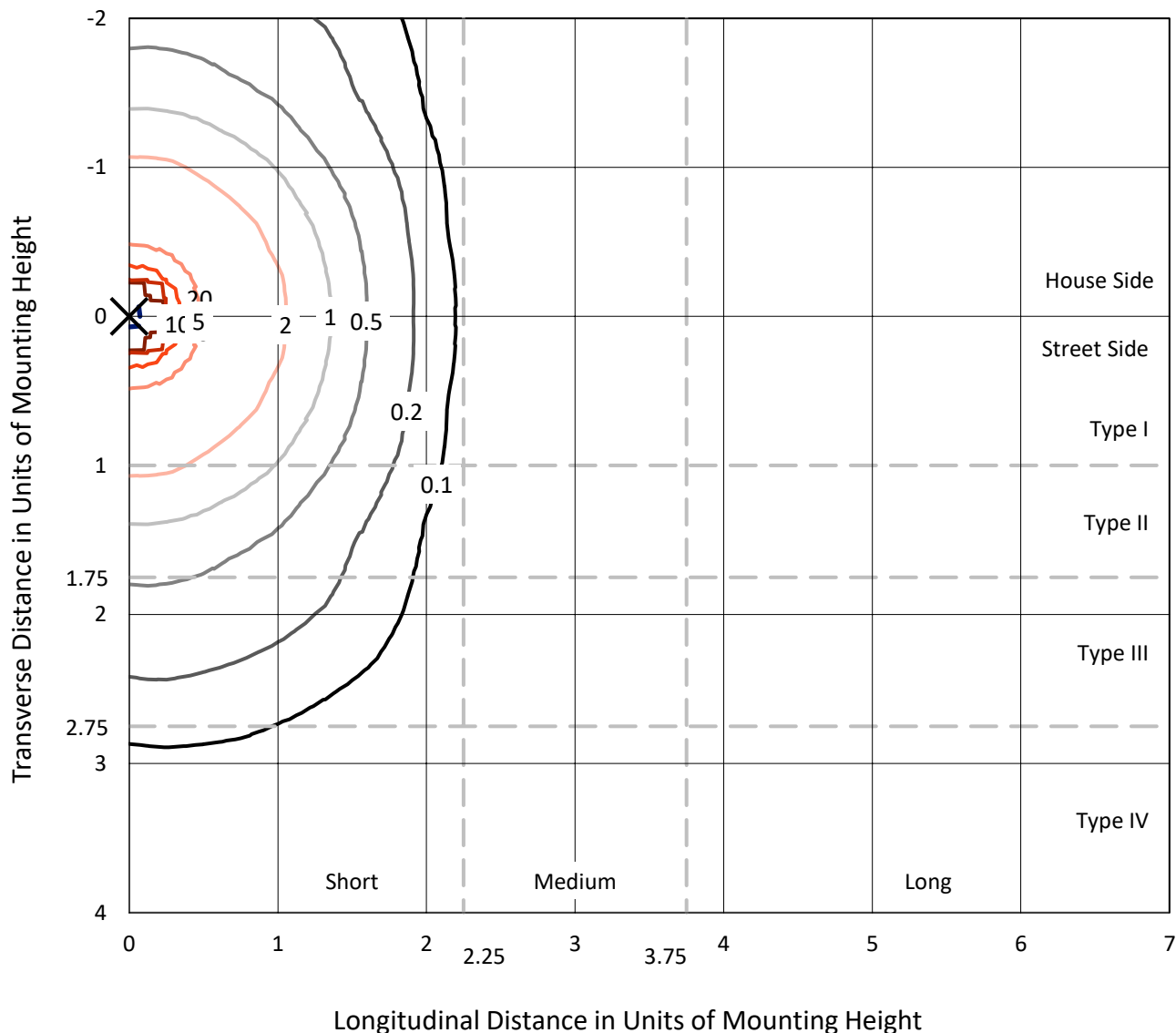


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

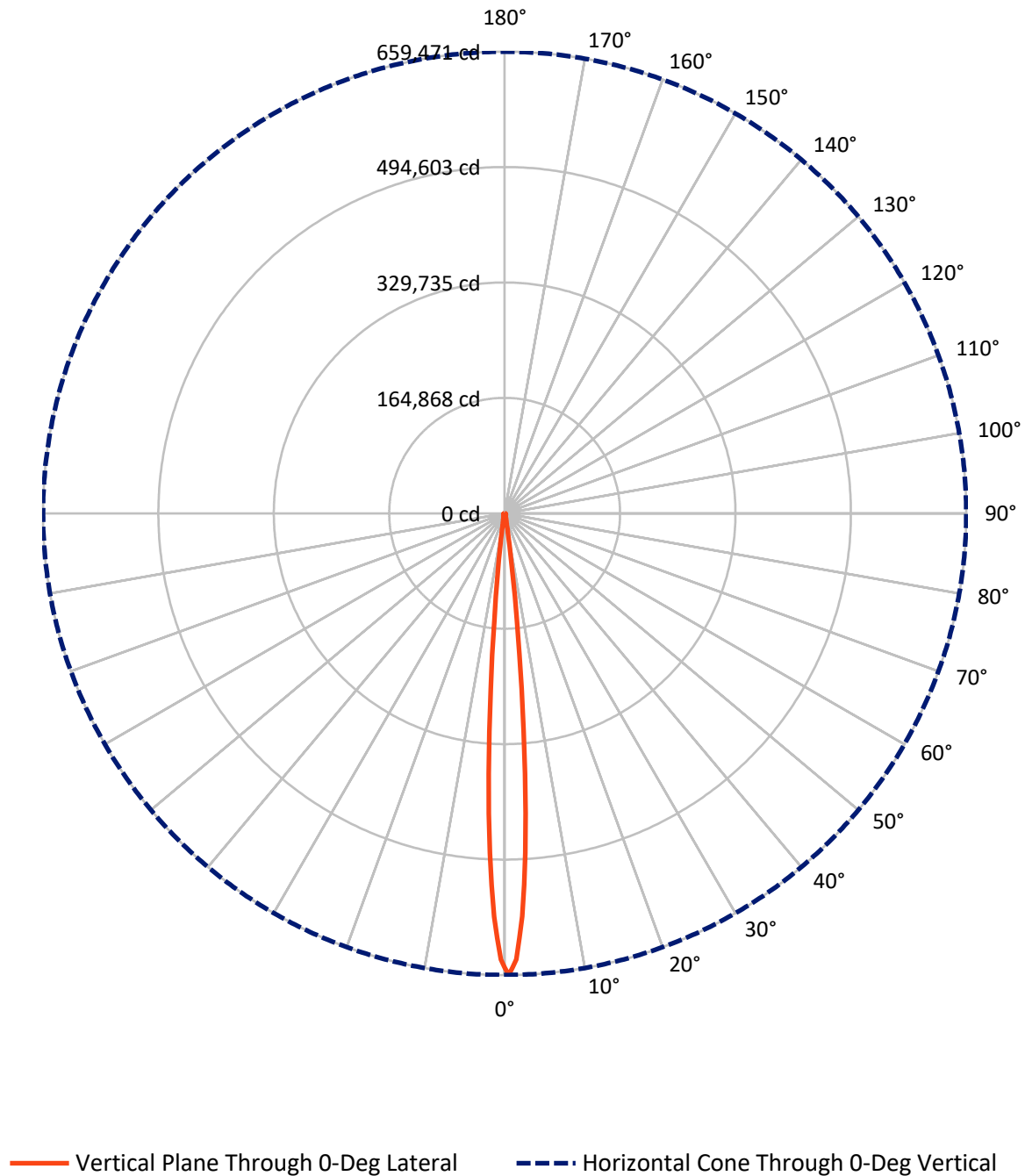
--- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1648.7 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	14038.4	0.0	14038.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14038.4	0.0	14038.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	28076.7	0.0	28076.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17721.4	63.1
10°-20°	2190.1	7.8
20°-30°	1312.2	4.7
30°-40°	1410.9	5.0
40°-50°	1897.1	6.8
50°-60°	1691.2	6.0
60°-70°	1117.1	4.0
70°-80°	553.9	2.0
80°-90°	182.9	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°	28076.7	100.0
0°-180°	28076.7	100.0

Coefficient of Utilization



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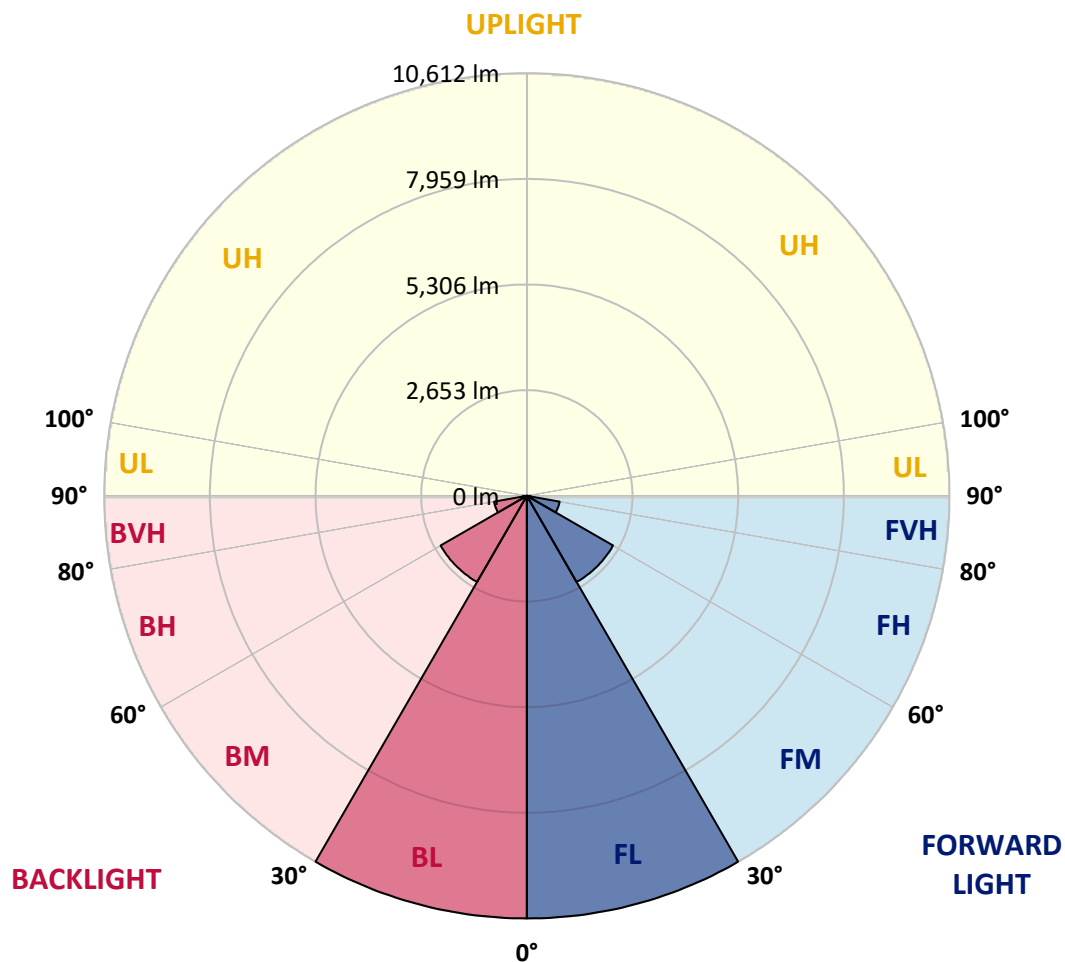
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	10611.9	37.8			
FM	(30°-60°)	2499.6	8.9			
FH	(60°-80°)	835.5	3.0			G1/1800
FVH	(80°-90°)	91.4	0.3			G1/100
BL	(0°-30°)	10611.9	37.8	B5		
BM	(30°-60°)	2499.6	8.9	B2/2500		
BH	(60°-80°)	835.5	3.0	B2/1000		G1/1800
BVH	(80°-90°)	91.4	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°	659470.7	659470.7	659470.7	659470.7	659470.7	659470.7	659470.7	659470.7	659470.7	659470.7
1°	637366.3	630824.3	634189.1	637405.1	641915.3	643901.9	645927.2	647441.4	647415.5	649913.3
2°	576495.0	565953.9	570839.4	576831.4	588420.7	591746.8	597305.2	604183.7	604604.3	610829.3
3°	485915.9	471117.1	478312.7	488983.1	508195.1	513164.7	522075.1	528364.7	525556.4	532842.6
4°	372876.6	353567.5	364561.5	380356.9	399057.6	418030.2	418405.5	422915.7	413655.9	413209.4
5°	251567.4	234542.6	248649.1	268404.6	284562.3	297821.1	305987.3	306550.3	296539.9	295627.5
6°	153430.4	142164.7	154439.9	175347.2	197729.9	203243.1	204492.0	201657.7	188528.4	181261.6
7°	84800.6	80206.2	92203.2	104679.0	122130.9	130200.1	124615.7	115556.5	111538.1	102886.6
8°	46764.9	44500.1	47923.2	58703.6	72247.1	77546.7	72156.5	62747.9	55972.9	53578.7
9°	28193.5	26938.2	28335.9	32438.4	38288.0	41963.5	38876.9	34243.8	31383.6	30587.7
10°	18726.7	18234.9	18830.2	20215.0	22318.0	23392.1	22622.1	20784.4	19917.3	19865.5
12.5°	9829.2	9738.6	9887.5	10042.8	10405.1	10463.4	10327.5	10198.1	9997.5	10075.1
15°	6328.5	6244.4	6399.7	6600.3	6690.9	6749.1	6755.6	6684.4	6548.5	6483.8
17.5°	4613.7	4633.1	4646.1	4762.5	4937.3	5073.2	5014.9	4937.3	4782.0	4704.3
20°	3798.4	3804.9	3830.7	3895.5	3953.7	4141.3	4083.1	3966.6	3817.8	3759.6
22.5°	3248.4	3261.3	3274.3	3313.1	3326.0	3377.8	3384.3	3280.7	3196.6	3164.2
25°	2860.1	2860.1	2879.5	2911.9	2924.8	2886.0	2892.5	2847.2	2769.5	2730.7
27.5°	2426.6	2439.5	2458.9	2471.9	2446.0	2400.7	2342.4	2381.3	2342.4	2251.9
30°	2161.3	2174.2	2232.4	2193.6	2135.4	2077.1	2044.8	2096.6	2103.0	2025.4
32.5°	2141.9	2148.3	2167.7	2148.3	2077.1	2006.0	1960.7	2018.9	2031.8	1999.5
35°	2238.9	2219.5	2245.4	2258.3	2187.1	2109.5	2051.3	2103.0	2141.9	2154.8
37.5°	2711.3	2601.3	2517.2	2491.3	2446.0	2394.2	2316.6	2329.5	2400.7	2465.4
40°	2581.9	2556.0	2523.6	2439.5	2355.4	2420.1	2329.5	2303.6	2465.4	2478.3
42.5°	2562.5	2581.9	2556.0	2452.5	2368.3	2433.0	2413.6	2336.0	2497.8	2478.3
45°	2575.4	2594.8	2653.1	2478.3	2407.2	2439.5	2478.3	2394.2	2556.0	2491.3
47.5°	2471.9	2497.8	2562.5	2465.4	2420.1	2413.6	2471.9	2394.2	2478.3	2471.9
50°	2336.0	2361.9	2381.3	2297.2	2381.3	2336.0	2342.4	2310.1	2310.1	2323.0
52.5°	2161.3	2187.1	2206.6	2109.5	2161.3	2180.7	2103.0	2096.6	2038.3	2057.7
55°	1947.7	1986.6	2006.0	1967.1	1941.3	1980.1	1870.1	1857.1	1740.7	1747.1
57.5°	1701.8	1740.7	1760.1	1805.4	1786.0	1708.3	1643.6	1591.8	1462.4	1410.6
60°	1753.6	1792.4	1753.6	1624.2	1624.2	1449.5	1391.2	1281.2	1151.8	1087.1
62.5°	1695.4	1747.1	1740.7	1604.8	1443.0	1223.0	1119.5	1003.0	873.6	789.4
65°	1598.3	1650.1	1624.2	1533.6	1378.3	1048.3	893.0	776.5	614.7	595.3
67.5°	1436.5	1514.2	1462.4	1404.2	1281.2	951.2	711.8	582.4	446.5	446.5
70°	1190.6	1248.9	1281.2	1216.5	1145.3	893.0	608.3	446.5	323.5	245.9
72.5°	957.7	1009.5	1061.2	1028.9	964.2	808.9	543.6	355.9	233.0	142.4
75°	530.6	550.0	569.4	647.1	737.7	660.0	498.3	310.6	194.1	110.0
77.5°	407.7	427.1	472.4	433.5	401.2	511.2	543.6	362.4	168.2	77.7
80°	317.1	343.0	485.3	401.2	343.0	388.3	465.9	317.1	110.0	38.8
82.5°	239.4	258.8	343.0	381.8	362.4	291.2	252.4	213.5	97.1	25.9
85°	174.7	200.6	239.4	213.5	207.1	207.1	278.2	187.7	71.2	19.4
87.5°	103.5	103.5	110.0	103.5	97.1	97.1	110.0	90.6	45.3	12.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

659470.7

644891.9
605329.1
525051.7
411242.3
291932.6
181895.7
98822.9
51404.5
29507.1
19250.8
9783.9
6380.3
4620.2
3694.9
3125.4
2698.3
2258.3
1999.5
1980.1
2154.8
2523.6
2497.8
2465.4
2471.9
2458.9
2277.7
2025.4
1701.8
1378.3
1035.3
776.5
595.3
394.7
220.0
135.9
97.1
38.8
25.9
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12.9
0.0

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