

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: P635924

Luminaire Tested: **IFLD-L-SA8D-935-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635924
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-935-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (128) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27181.9 lumens
Efficiency: N/A
Efficacy: 55.7 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



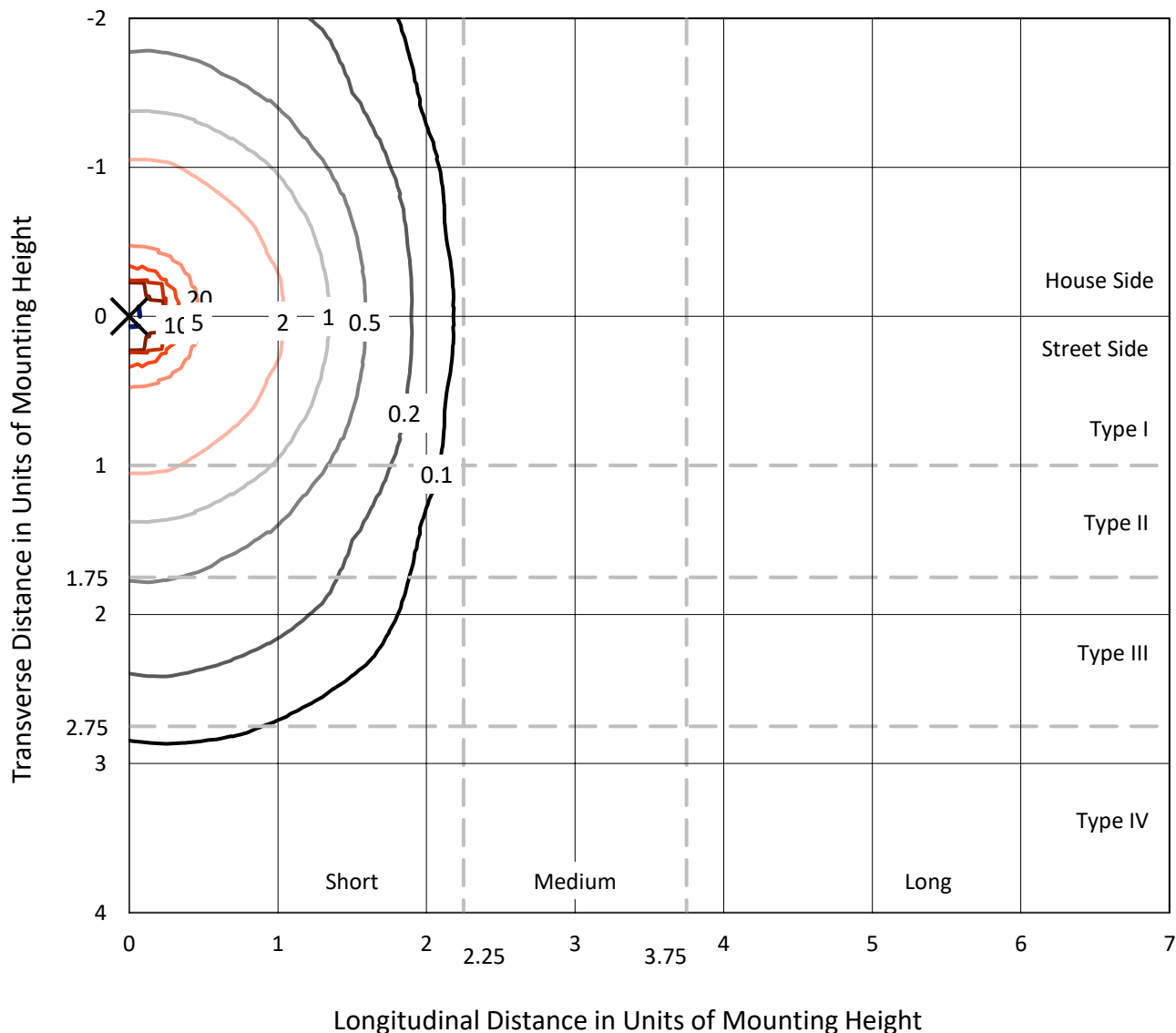
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

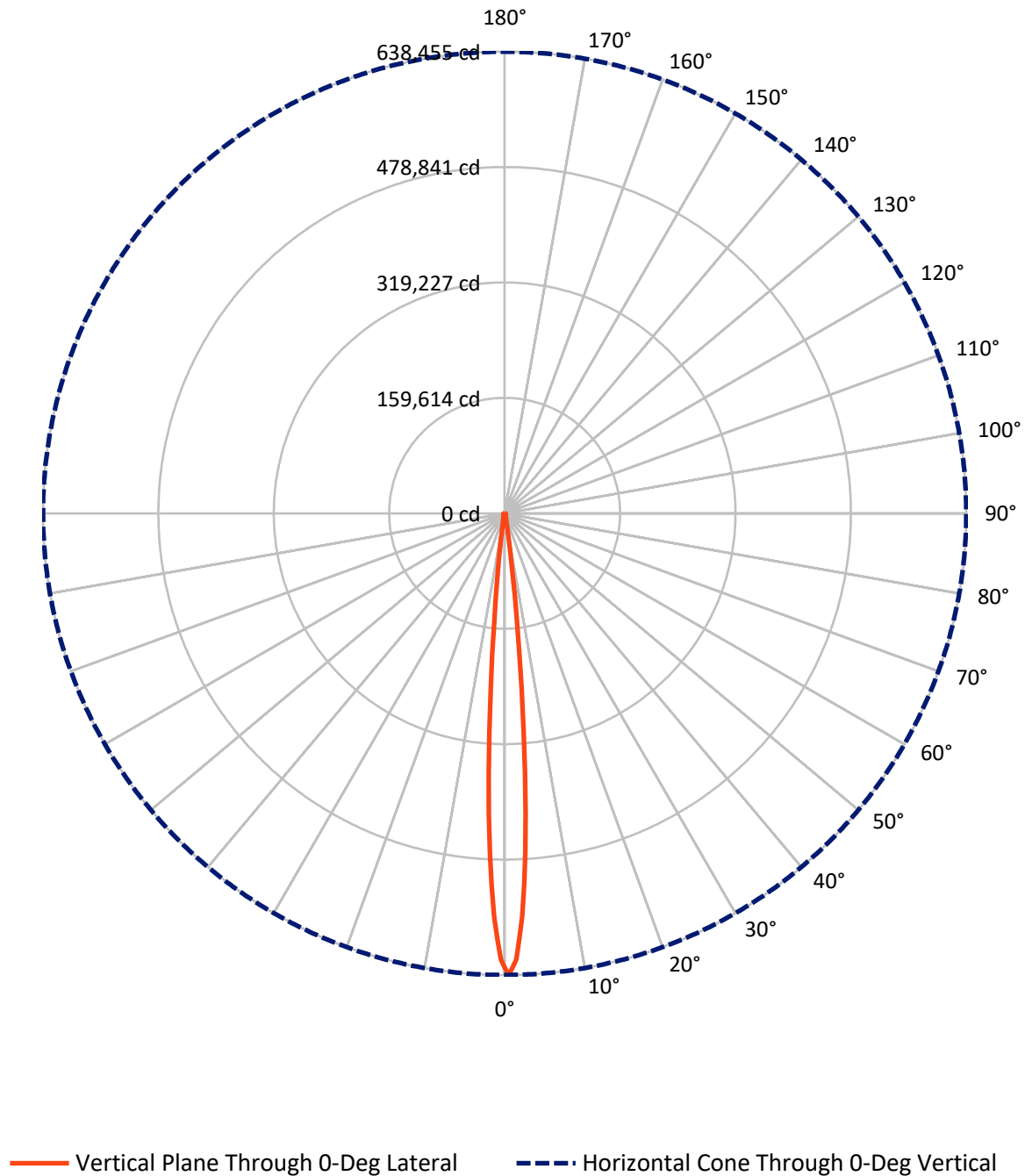


Based on 20 foot mounting height. Maximum calculated value = 1596.1 fc

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	13591.0	0.0	13591.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13591.0	0.0	13591.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	27181.9	0.0	27181.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17156.6	63.1
10°-20°	2120.3	7.8
20°-30°	1270.4	4.7
30°-40°	1366.0	5.0
40°-50°	1836.7	6.8
50°-60°	1637.3	6.0
60°-70°	1081.5	4.0
70°-80°	536.2	2.0
80°-90°	177.0	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°	27181.9	100.0
0°-180°	27181.9	100.0



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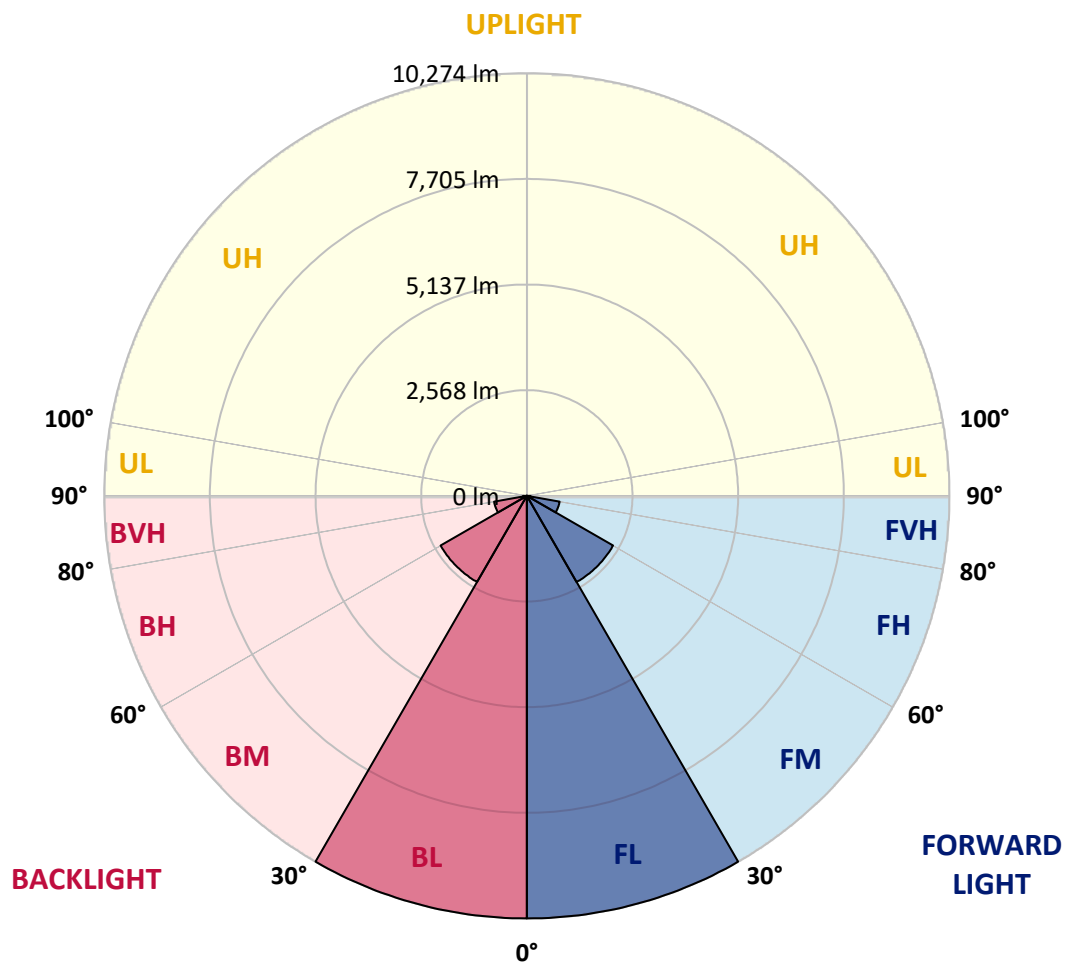
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	10273.7	37.8			
FM	(30°-60°)	2420.0	8.9			
FH	(60°-80°)	808.8	3.0			G1/1800
FVH	(80°-90°)	88.5	0.3			G1/100
BL	(0°-30°)	10273.7	37.8	B5		
BM	(30°-60°)	2420.0	8.9	B2/2500		
BH	(60°-80°)	808.8	3.0	B2/1000		G1/1800
BVH	(80°-90°)	88.5	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°	638454.6	638454.6	638454.6	638454.6	638454.6	638454.6	638454.6	638454.6	638454.6	638454.6
1°	617054.6	610721.1	613978.7	617092.2	621458.7	623381.9	625342.7	626808.7	626783.6	629201.8
2°	558123.1	547918.0	552647.8	558448.9	569668.9	572888.9	578270.2	584929.5	585336.7	591363.3
3°	470430.7	456103.5	463069.7	473400.1	491999.8	496811.1	505437.5	511526.7	508807.9	515861.9
4°	360993.7	342300.0	352943.6	368235.6	386340.4	404708.3	405071.7	409438.1	400473.4	400041.2
5°	243550.4	227068.2	240725.1	259851.0	275493.9	288330.1	296236.1	296781.1	287089.7	286206.4
6°	148540.9	137634.2	149518.2	169759.2	191428.6	196766.1	197975.2	195231.3	182520.3	175485.1
7°	82098.1	77650.2	89264.9	101343.1	118238.8	126050.8	120644.5	111874.0	107983.6	99607.8
8°	45274.6	43081.9	46395.9	56832.8	69944.7	75075.5	69857.0	60748.2	54189.1	51871.2
9°	27295.0	26079.7	27432.9	31404.6	37067.9	40626.2	37638.0	33152.5	30383.5	29613.0
10°	18129.9	17653.8	18230.1	19570.7	21606.7	22646.7	21901.2	20122.0	19282.6	19232.4
12.5°	9516.0	9428.3	9572.4	9722.7	10073.5	10129.9	9998.4	9873.1	9678.9	9754.0
15°	6126.8	6045.4	6195.7	6389.9	6477.6	6534.0	6540.3	6471.4	6339.8	6277.2
17.5°	4466.7	4485.5	4498.0	4610.8	4779.9	4911.5	4855.1	4779.9	4629.6	4554.4
20°	3677.3	3683.6	3708.7	3771.3	3827.7	4009.4	3953.0	3840.2	3696.1	3639.8
22.5°	3144.8	3157.4	3169.9	3207.5	3220.0	3270.1	3276.4	3176.2	3094.7	3063.4
25°	2769.0	2769.0	2787.8	2819.1	2831.6	2794.0	2800.3	2756.4	2681.3	2643.7
27.5°	2349.2	2361.8	2380.6	2393.1	2368.0	2324.2	2267.8	2305.4	2267.8	2180.1
30°	2092.4	2104.9	2161.3	2123.7	2067.3	2010.9	1979.6	2029.7	2036.0	1960.8
32.5°	2073.6	2079.9	2098.7	2079.9	2010.9	1942.0	1898.2	1954.6	1967.1	1935.8
35°	2167.6	2148.8	2173.8	2186.4	2117.4	2042.3	1985.9	2036.0	2073.6	2086.1
37.5°	2624.9	2518.4	2436.9	2411.9	2368.0	2317.9	2242.7	2255.3	2324.2	2386.8
40°	2499.6	2474.5	2443.2	2361.8	2280.3	2343.0	2255.3	2230.2	2386.8	2399.4
42.5°	2480.8	2499.6	2474.5	2374.3	2292.9	2355.5	2336.7	2261.5	2418.2	2399.4
45°	2493.3	2512.1	2568.5	2399.4	2330.4	2361.8	2399.4	2317.9	2474.5	2411.9
47.5°	2393.1	2418.2	2480.8	2386.8	2343.0	2336.7	2393.1	2317.9	2399.4	2393.1
50°	2261.5	2286.6	2305.4	2223.9	2305.4	2261.5	2267.8	2236.5	2236.5	2249.0
52.5°	2092.4	2117.4	2136.2	2042.3	2092.4	2111.2	2036.0	2029.7	1973.4	1992.2
55°	1885.7	1923.2	1942.0	1904.5	1879.4	1917.0	1810.5	1798.0	1685.2	1691.5
57.5°	1647.6	1685.2	1704.0	1747.8	1729.0	1653.9	1591.2	1541.1	1415.8	1365.7
60°	1697.7	1735.3	1697.7	1572.4	1572.4	1403.3	1346.9	1240.4	1115.1	1052.5
62.5°	1641.3	1691.5	1685.2	1553.6	1397.0	1184.0	1083.8	971.0	845.7	764.3
65°	1547.4	1597.5	1572.4	1484.7	1334.4	1014.9	864.5	751.8	595.1	576.3
67.5°	1390.8	1465.9	1415.8	1359.4	1240.4	920.9	689.1	563.8	432.3	432.3
70°	1152.7	1209.1	1240.4	1177.8	1108.8	864.5	588.9	432.3	313.2	238.1
72.5°	927.2	977.3	1027.4	996.1	933.4	783.1	526.2	344.6	225.5	137.8
75°	513.7	532.5	551.3	626.5	714.2	639.0	482.4	300.7	187.9	106.5
77.5°	394.7	413.5	457.3	419.7	388.4	494.9	526.2	350.8	162.9	75.2
80°	307.0	332.0	469.8	388.4	332.0	375.9	451.1	307.0	106.5	37.6
82.5°	231.8	250.6	332.0	369.6	350.8	281.9	244.3	206.7	94.0	25.1
85°	169.1	194.2	231.8	206.7	200.5	200.5	269.4	181.7	68.9	18.8
87.5°	100.2	100.2	106.5	100.2	94.0	94.0	106.5	87.7	43.9	12.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

638454.6

624340.4

586038.4

508319.2

398136.7

282629.3

176099.1

95673.6

49766.3

28566.8

18637.3

9472.1

6176.9

4473.0

3577.1

3025.8

2612.4

2186.4

1935.8

1917.0

2086.1

2443.2

2418.2

2386.8

2393.1

2380.6

2205.2

1960.8

1647.6

1334.4

1002.3

751.8

576.3

382.1

213.0

131.6

94.0

37.6

25.1

18.8

12.5

12.5

0.0

OF REPORT)