

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: P635923

Luminaire Tested: **IFLD-L-SA8C-935-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635923
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-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: 24703.2 lumens
Efficiency: N/A
Efficacy: 58.8 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): 420.3
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



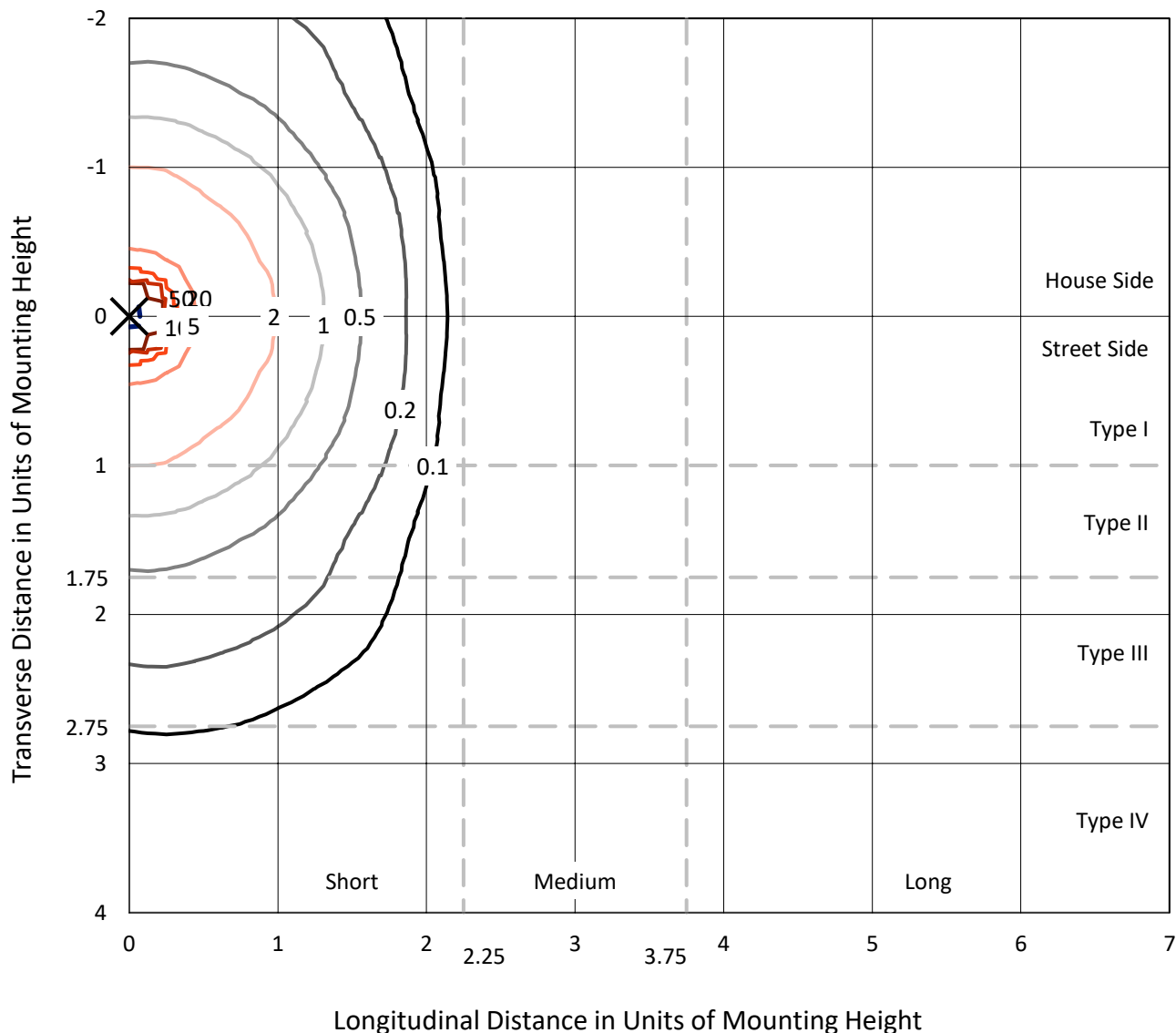
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

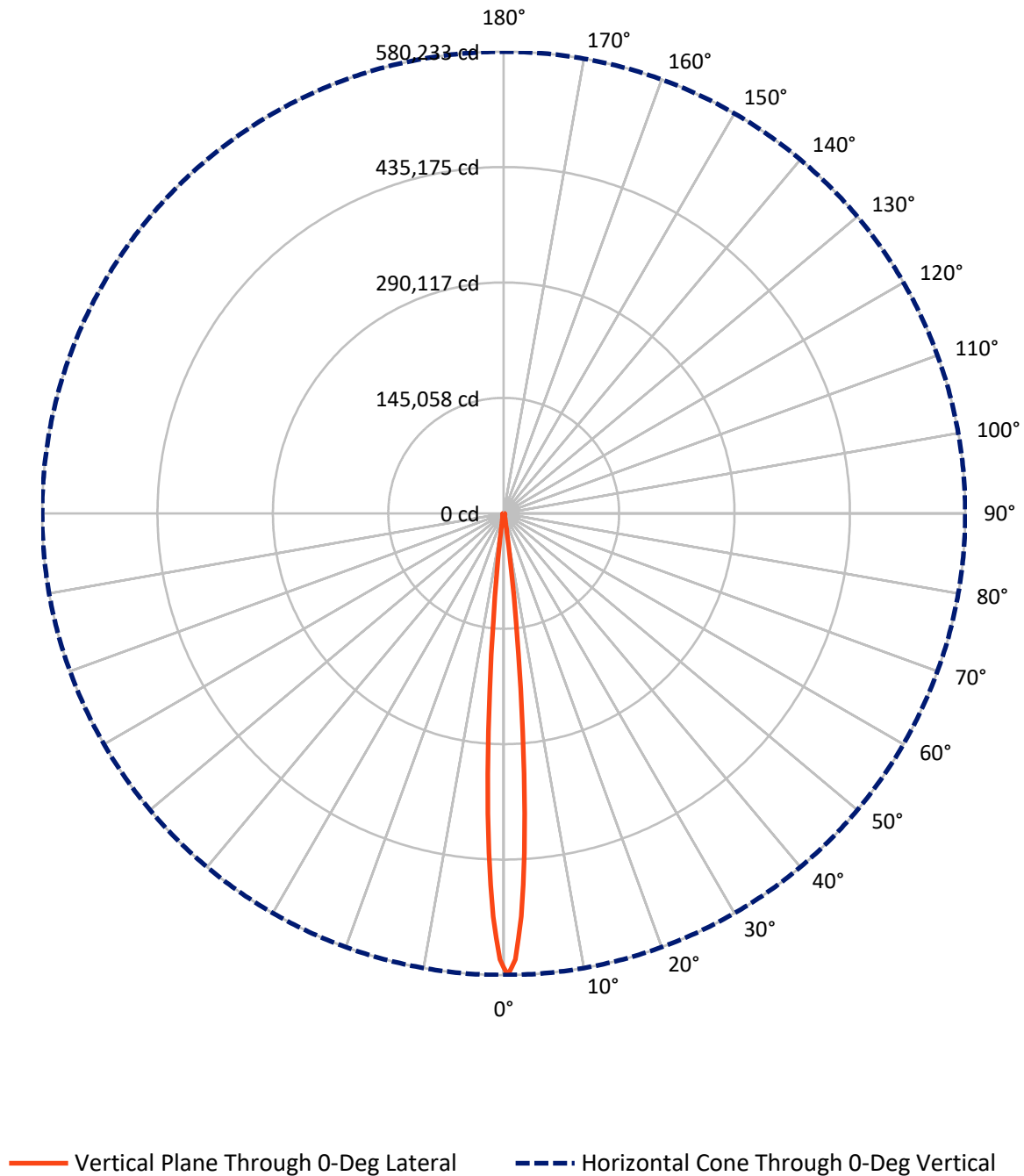


Based on 20 foot mounting height. Maximum calculated value = 1450.6 fc

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	12351.6	0.0	12351.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12351.6	0.0	12351.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	24703.2	0.0	24703.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15592.1	63.1
10°-20°	1927.0	7.8
20°-30°	1154.5	4.7
30°-40°	1241.4	5.0
40°-50°	1669.2	6.8
50°-60°	1488.0	6.0
60°-70°	982.8	4.0
70°-80°	487.3	2.0
80°-90°	160.9	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°	24703.2	100.0
0°-180°	24703.2	100.0



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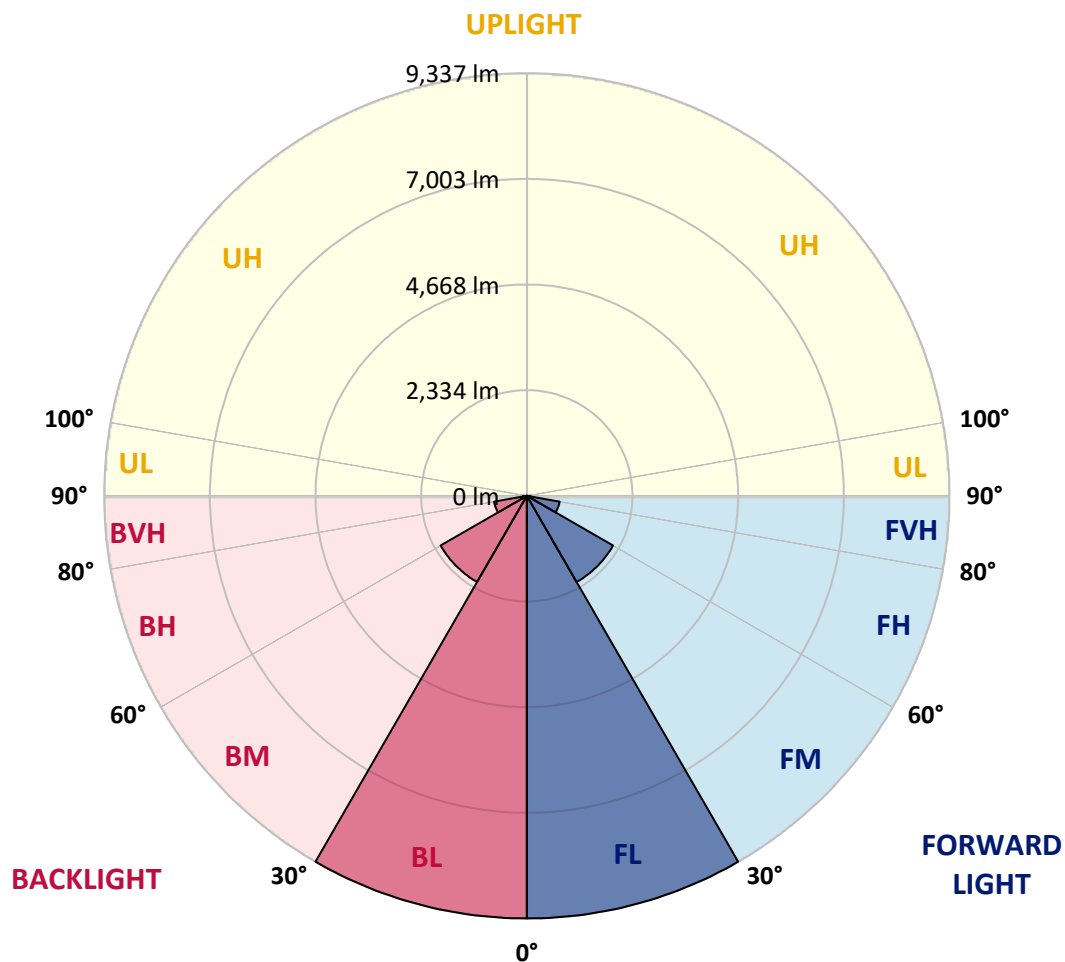
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	9336.8	37.8			
FM	(30°-60°)	2199.3	8.9			
FH	(60°-80°)	735.1	3.0			G1/1800
FVH	(80°-90°)	80.4	0.3			G1/100
BL	(0°-30°)	9336.8	37.8	B5		
BM	(30°-60°)	2199.3	8.9	B2/2500		
BH	(60°-80°)	735.1	3.0	B2/1000		G1/1800
BVH	(80°-90°)	80.4	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°	580233.4	580233.4	580233.4	580233.4	580233.4	580233.4	580233.4	580233.4	580233.4	580233.4
1°	560784.9	555028.9	557989.4	560819.0	564787.3	566535.2	568317.2	569649.5	569626.7	571824.3
2°	507227.4	497952.9	502251.4	507523.5	517720.3	520646.7	525537.3	531589.3	531959.4	537436.4
3°	427531.7	414511.0	420842.0	430230.4	447134.0	451506.5	459346.2	464880.2	462409.3	468820.0
4°	328074.4	311085.4	320758.4	334655.9	351109.7	367802.6	368132.9	372101.1	363953.9	363561.1
5°	221340.9	206361.6	218773.2	236155.0	250371.3	262037.0	269222.1	269717.4	260909.8	260107.0
6°	134995.3	125083.2	135883.5	154278.8	173972.1	178822.8	179921.7	177428.0	165876.1	159482.5
7°	74611.5	70569.2	81124.7	92101.5	107456.5	114556.2	109642.8	101672.1	98136.5	90524.5
8°	41145.9	39153.3	42165.0	51650.2	63566.4	68229.3	63486.7	55208.5	49247.6	47141.0
9°	24806.0	23701.5	24931.2	28540.8	33687.6	36921.5	34205.7	30129.3	27612.8	26912.5
10°	16476.6	16043.9	16567.7	17786.1	19636.4	20581.5	19904.0	18287.1	17524.2	17478.6
12.5°	8648.2	8568.5	8699.5	8836.1	9154.9	9206.2	9086.6	8972.7	8796.2	8864.6
15°	5568.1	5494.1	5630.7	5807.2	5886.9	5938.2	5943.9	5881.2	5761.7	5704.7
17.5°	4059.4	4076.4	4087.8	4190.3	4344.0	4463.6	4412.4	4344.0	4207.4	4139.1
20°	3342.0	3347.7	3370.5	3427.4	3478.6	3643.8	3592.5	3490.0	3359.1	3307.8
22.5°	2858.1	2869.5	2880.8	2915.0	2926.4	2971.9	2977.6	2886.5	2812.5	2784.1
25°	2516.5	2516.5	2533.5	2562.0	2573.4	2539.2	2544.9	2505.1	2436.8	2402.6
27.5°	2135.0	2146.4	2163.5	2174.9	2152.1	2112.2	2061.0	2095.2	2061.0	1981.3
30°	1901.6	1913.0	1964.2	1930.1	1878.8	1827.6	1799.1	1844.6	1850.3	1782.0
32.5°	1884.5	1890.2	1907.3	1890.2	1827.6	1764.9	1725.1	1776.3	1787.7	1759.2
35°	1969.9	1952.8	1975.6	1987.0	1924.4	1856.0	1804.8	1850.3	1884.5	1895.9
37.5°	2385.5	2288.7	2214.7	2191.9	2152.1	2106.5	2038.2	2049.6	2112.2	2169.2
40°	2271.7	2248.9	2220.4	2146.4	2072.4	2129.3	2049.6	2026.8	2169.2	2180.6
42.5°	2254.6	2271.7	2248.9	2157.8	2083.8	2140.7	2123.6	2055.3	2197.6	2180.6
45°	2266.0	2283.0	2334.3	2180.6	2117.9	2146.4	2180.6	2106.5	2248.9	2191.9
47.5°	2174.9	2197.6	2254.6	2169.2	2129.3	2123.6	2174.9	2106.5	2180.6	2174.9
50°	2055.3	2078.1	2095.2	2021.1	2095.2	2055.3	2061.0	2032.5	2032.5	2043.9
52.5°	1901.6	1924.4	1941.4	1856.0	1901.6	1918.7	1850.3	1844.6	1793.4	1810.5
55°	1713.7	1747.9	1764.9	1730.8	1708.0	1742.2	1645.4	1634.0	1531.5	1537.2
57.5°	1497.4	1531.5	1548.6	1588.4	1571.4	1503.0	1446.1	1400.6	1286.7	1241.2
60°	1542.9	1577.1	1542.9	1429.0	1429.0	1275.3	1224.1	1127.3	1013.4	956.5
62.5°	1491.7	1537.2	1531.5	1412.0	1269.6	1076.0	985.0	882.5	768.6	694.6
65°	1406.3	1451.8	1429.0	1349.3	1212.7	922.3	785.7	683.2	540.9	523.8
67.5°	1263.9	1332.2	1286.7	1235.5	1127.3	836.9	626.3	512.4	392.8	392.8
70°	1047.6	1098.8	1127.3	1070.4	1007.7	785.7	535.2	392.8	284.7	216.3
72.5°	842.6	888.2	933.7	905.2	848.3	711.7	478.2	313.1	205.0	125.3
75°	466.9	483.9	501.0	569.3	649.0	580.7	438.4	273.3	170.8	96.8
77.5°	358.7	375.8	415.6	381.5	353.0	449.8	478.2	318.8	148.0	68.3
80°	279.0	301.7	427.0	353.0	301.7	341.6	409.9	279.0	96.8	34.2
82.5°	210.7	227.7	301.7	335.9	318.8	256.2	222.0	187.9	85.4	22.8
85°	153.7	176.5	210.7	187.9	182.2	182.2	244.8	165.1	62.6	17.1
87.5°	91.1	91.1	96.8	91.1	85.4	85.4	96.8	79.7	39.9	11.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

580233.4

567406.3
532597.0
461965.2
361830.3
256856.1
160040.4
86949.0
45228.1
25961.7
16937.8
8608.4
5613.7
4065.1
3250.9
2749.9
2374.1
1987.0
1759.2
1742.2
1895.9
2220.4
2197.6
2169.2
2174.9
2163.5
2004.1
1782.0
1497.4
1212.7
910.9
683.2
523.8
347.3
193.6
119.6
85.4
34.2
22.8
17.1
11.4
11.4
0.0

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