

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: P635898

Luminaire Tested: **IFLD-S-SA2C-935-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635898
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-935-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (32) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6930.3 lumens
Efficiency: N/A
Efficacy: 64.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 108.2
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



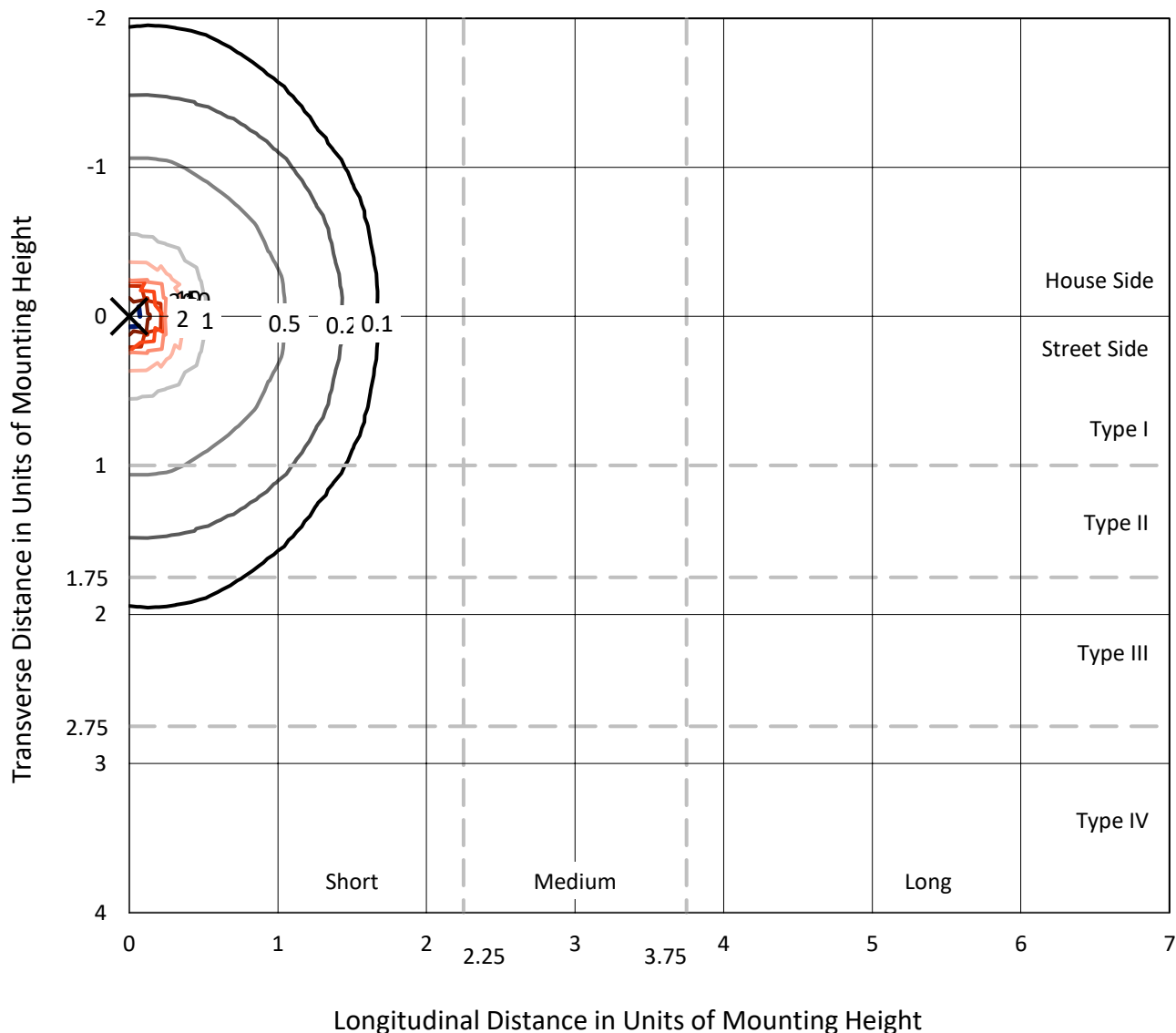
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

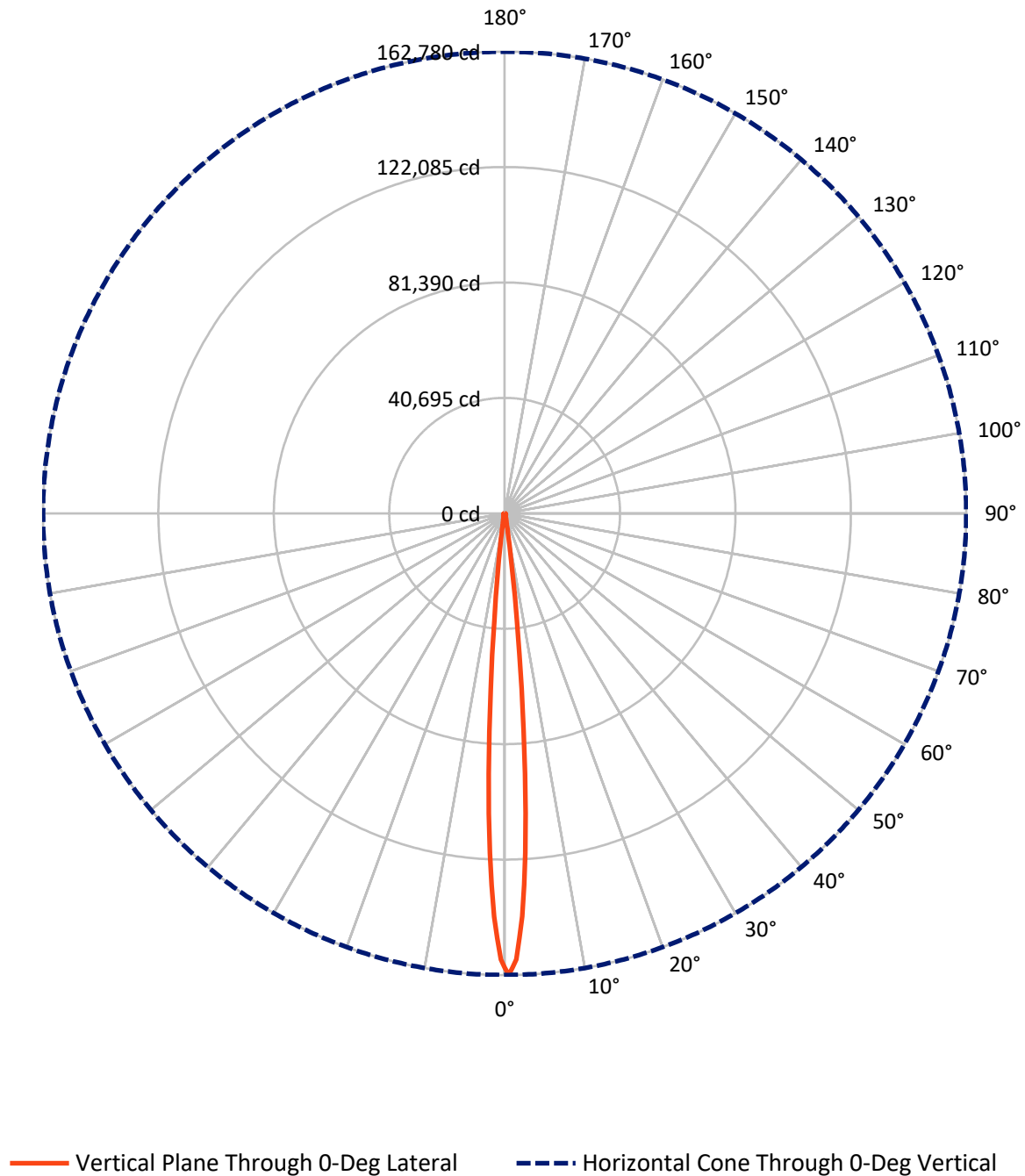


Based on 20 foot mounting height. Maximum calculated value = 407 fc

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	3465.2	0.0	3465.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3465.2	0.0	3465.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	6930.3	0.0	6930.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4374.2	63.1
10°-20°	540.6	7.8
20°-30°	323.9	4.7
30°-40°	348.3	5.0
40°-50°	468.3	6.8
50°-60°	417.4	6.0
60°-70°	275.7	4.0
70°-80°	136.7	2.0
80°-90°	45.1	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°	6930.3	100.0
0°-180°	6930.3	100.0

Coefficient of Utilization



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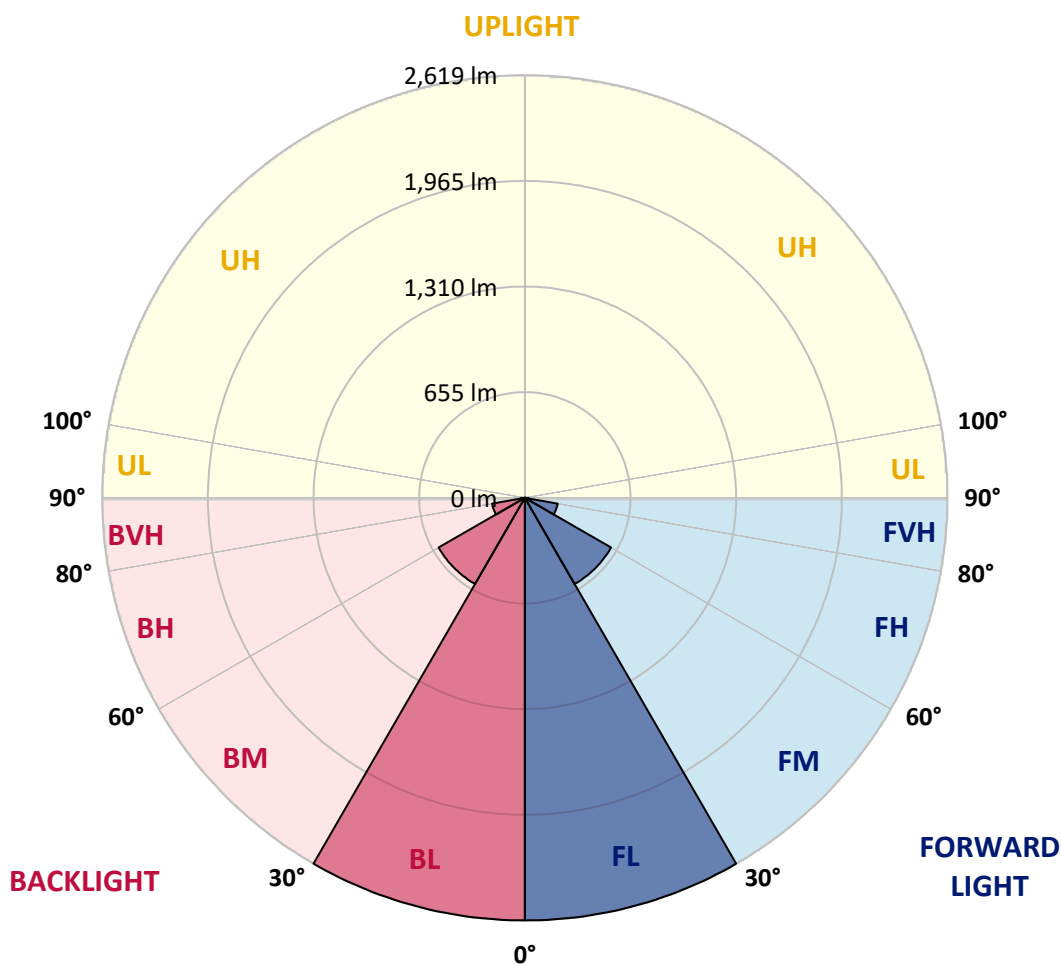
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2619.4	37.8			
FM	(30°-60°)	617.0	8.9			
FH	(60°-80°)	206.2	3.0			G0/660
FVH	(80°-90°)	22.6	0.3			G1/100
BL	(0°-30°)	2619.4	37.8	B4/5000		
BM	(30°-60°)	617.0	8.9	B1/1000		
BH	(60°-80°)	206.2	3.0	B1/500		G0/660
BVH	(80°-90°)	22.6	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	162780.2	162780.2	162780.2	162780.2	162780.2	162780.2	162780.2	162780.2	162780.2	162780.2
1°	157324.0	155709.2	156539.8	157333.6	158446.9	158937.2	159437.2	159810.9	159804.5	160421.1
2°	142298.9	139697.0	140902.9	142381.9	145242.6	146063.5	147435.6	149133.4	149237.2	150773.8
3°	119940.8	116288.0	118064.1	120697.9	125440.1	126666.8	128866.2	130418.7	129725.5	131524.0
4°	92038.8	87272.7	89986.4	93885.2	98501.2	103184.3	103276.9	104390.2	102104.6	101994.4
5°	62095.5	57893.2	61375.2	66251.5	70239.8	73512.5	75528.2	75667.2	73196.3	72971.1
6°	37871.9	35091.2	38121.1	43281.8	48806.6	50167.4	50475.7	49776.1	46535.3	44741.6
7°	20931.7	19797.7	22758.9	25838.4	30146.1	32137.9	30759.5	28523.3	27531.5	25396.0
8°	11543.2	10984.2	11829.1	14490.1	17833.1	19141.2	17810.7	15488.3	13816.0	13225.1
9°	6959.1	6649.3	6994.3	8006.9	9450.8	10358.0	9596.2	8452.5	7746.6	7550.1
10°	4622.4	4501.0	4647.9	4989.7	5508.8	5774.0	5583.9	5130.3	4916.3	4903.5
12.5°	2426.2	2403.8	2440.6	2478.9	2568.3	2582.7	2549.2	2517.2	2467.7	2486.9
15°	1562.1	1541.3	1579.7	1629.2	1651.5	1665.9	1667.5	1649.9	1616.4	1600.4
17.5°	1138.8	1143.6	1146.8	1175.6	1218.7	1252.2	1237.9	1218.7	1180.4	1161.2
20°	937.6	939.2	945.6	961.5	975.9	1022.2	1007.9	979.1	942.4	928.0
22.5°	801.8	805.0	808.2	817.8	821.0	833.8	835.4	809.8	789.0	781.0
25°	706.0	706.0	710.8	718.8	721.9	712.4	714.0	702.8	683.6	674.0
27.5°	599.0	602.2	606.9	610.1	603.8	592.6	578.2	587.8	578.2	555.8
30°	533.5	536.7	551.0	541.5	527.1	512.7	504.7	517.5	519.1	499.9
32.5°	528.7	530.3	535.1	530.3	512.7	495.1	484.0	498.3	501.5	493.5
35°	552.6	547.9	554.2	557.4	539.9	520.7	506.3	519.1	528.7	531.9
37.5°	669.2	642.1	621.3	614.9	603.8	591.0	571.8	575.0	592.6	608.5
40°	637.3	630.9	622.9	602.2	581.4	597.4	575.0	568.6	608.5	611.7
42.5°	632.5	637.3	630.9	605.4	584.6	600.6	595.8	576.6	616.5	611.7
45°	635.7	640.5	654.9	611.7	594.2	602.2	611.7	591.0	630.9	614.9
47.5°	610.1	616.5	632.5	608.5	597.4	595.8	610.1	591.0	611.7	610.1
50°	576.6	583.0	587.8	567.0	587.8	576.6	578.2	570.2	570.2	573.4
52.5°	533.5	539.9	544.7	520.7	533.5	538.3	519.1	517.5	503.1	507.9
55°	480.8	490.3	495.1	485.6	479.2	488.8	461.6	458.4	429.7	431.3
57.5°	420.1	429.7	434.4	445.6	440.8	421.7	405.7	392.9	361.0	348.2
60°	432.8	442.4	432.8	400.9	400.9	357.8	343.4	316.3	284.3	268.3
62.5°	418.5	431.3	429.7	396.1	356.2	301.9	276.3	247.6	215.6	194.9
65°	394.5	407.3	400.9	378.5	340.2	258.8	220.4	191.7	151.7	146.9
67.5°	354.6	373.8	361.0	346.6	316.3	234.8	175.7	143.8	110.2	110.2
70°	293.9	308.3	316.3	300.3	282.7	220.4	150.1	110.2	79.9	60.7
72.5°	236.4	249.2	261.9	254.0	238.0	199.7	134.2	87.8	57.5	35.1
75°	131.0	135.8	140.6	159.7	182.1	162.9	123.0	76.7	47.9	27.2
77.5°	100.6	105.4	116.6	107.0	99.0	126.2	134.2	89.4	41.5	19.2
80°	78.3	84.7	119.8	99.0	84.7	95.8	115.0	78.3	27.2	9.6
82.5°	59.1	63.9	84.7	94.2	89.4	71.9	62.3	52.7	24.0	6.4
85°	43.1	49.5	59.1	52.7	51.1	51.1	68.7	46.3	17.6	4.8
87.5°	25.6	25.6	27.2	25.6	24.0	24.0	27.2	22.4	11.2	3.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
162780.2
159181.6
149416.1
129600.9
101508.8
72059.1
44898.2
24392.9
12688.4
7283.4
4751.8
2415.0
1574.9
1140.4
912.0
771.5
666.0
557.4
493.5
488.8
531.9
622.9
616.5
608.5
610.1
606.9
562.2
499.9
420.1
340.2
255.6
191.7
146.9
97.4
54.3
33.5
24.0
9.6
6.4
4.8
3.2
3.2
0.0

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