

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: P635927

Luminaire Tested: **IFLD-S-SA2C-940-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635927
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-940-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (32) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7541.9 lumens
Efficiency: N/A
Efficacy: 69.7 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



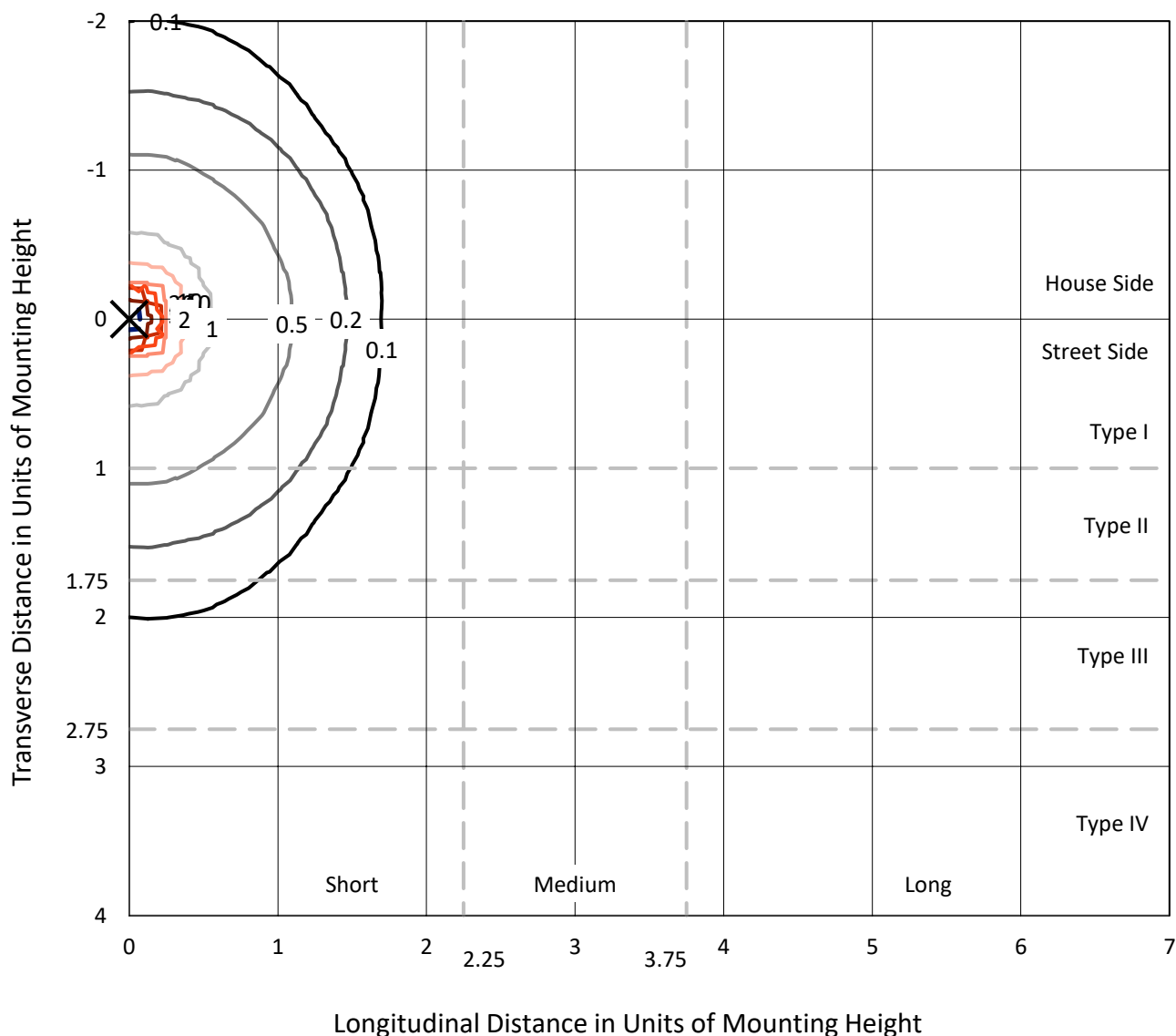
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

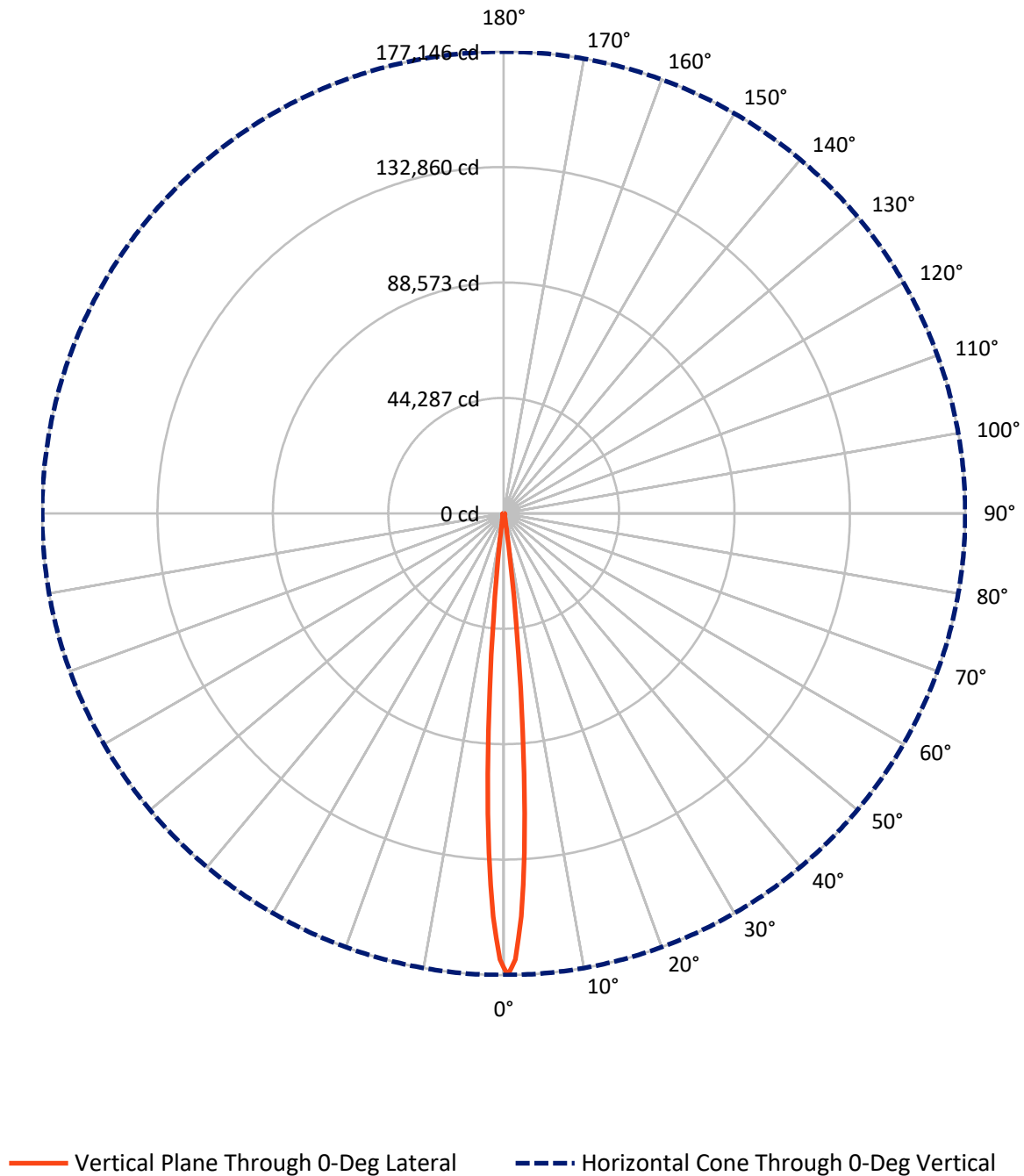


Based on 20 foot mounting height. Maximum calculated value = 442.9 fc

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	3771.0	0.0	3771.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3771.0	0.0	3771.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7541.9	0.0	7541.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4760.3	63.1
10°-20°	588.3	7.8
20°-30°	352.5	4.7
30°-40°	379.0	5.0
40°-50°	509.6	6.8
50°-60°	454.3	6.0
60°-70°	300.1	4.0
70°-80°	148.8	2.0
80°-90°	49.1	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°	7541.9	100.0
0°-180°	7541.9	100.0



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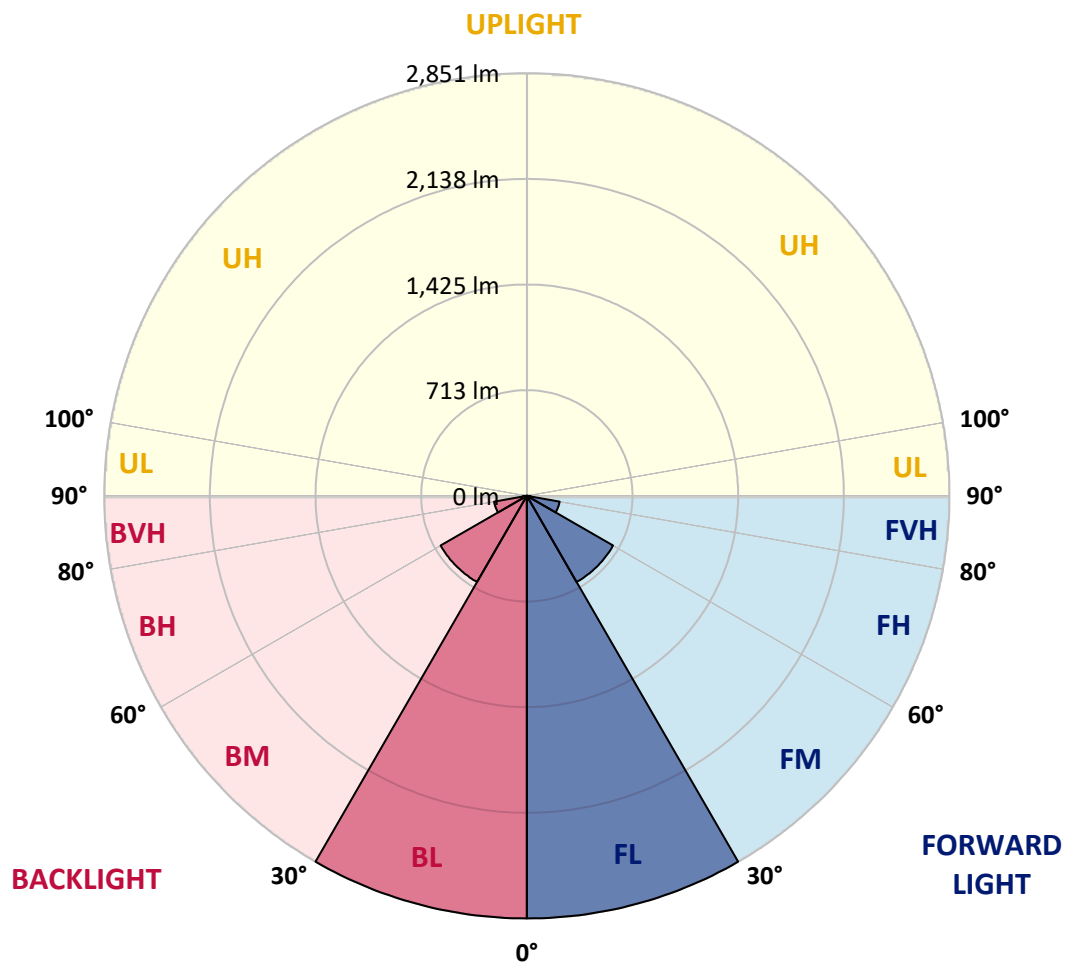
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2850.5	37.8			
FM	(30°-60°)	671.4	8.9			
FH	(60°-80°)	224.4	3.0			G0/660
FVH	(80°-90°)	24.6	0.3			G1/100
BL	(0°-30°)	2850.5	37.8	B4/5000		
BM	(30°-60°)	671.4	8.9	B1/1000		
BH	(60°-80°)	224.4	3.0	B1/500		G0/660
BVH	(80°-90°)	24.6	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°	177146.0	177146.0	177146.0	177146.0	177146.0	177146.0	177146.0	177146.0	177146.0	177146.0
1°	171208.3	169451.0	170354.9	171218.8	172430.3	172963.9	173508.0	173914.7	173907.8	174578.7
2°	154857.2	152025.7	153338.0	154947.6	158060.7	158954.1	160447.2	162294.9	162407.9	164080.0
3°	130526.0	126550.7	128483.6	131349.9	136510.6	137845.5	140239.0	141928.5	141174.1	143131.3
4°	100161.5	94974.8	97927.9	102170.9	107194.2	112290.6	112391.4	113603.0	111115.6	110995.7
5°	67575.7	63002.5	66791.7	72098.4	76438.7	80000.2	82193.8	82345.1	79656.1	79411.0
6°	41214.2	38188.1	41485.4	47101.5	53113.9	54594.8	54930.3	54169.0	50642.2	48690.2
7°	22779.0	21544.9	24767.5	28118.7	32806.6	34974.1	33474.1	31040.6	29961.2	27637.2
8°	12561.9	11953.5	12873.0	15768.9	19406.9	20830.5	19382.6	16855.2	15035.4	14392.2
9°	7573.3	7236.1	7611.5	8713.6	10284.9	11272.2	10443.1	9198.5	8430.2	8216.4
10°	5030.3	4898.2	5058.1	5430.1	5995.0	6283.6	6076.7	5583.1	5350.2	5336.2
12.5°	2640.3	2616.0	2656.0	2697.7	2795.0	2810.7	2774.2	2739.4	2685.5	2706.4
15°	1700.0	1677.4	1719.1	1773.0	1797.3	1812.9	1814.7	1795.6	1759.0	1741.7
17.5°	1239.3	1244.5	1248.0	1279.3	1326.2	1362.7	1347.1	1326.2	1284.5	1263.7
20°	1020.3	1022.1	1029.0	1046.4	1062.0	1112.4	1096.8	1065.5	1025.5	1009.9
22.5°	872.6	876.0	879.5	890.0	893.4	907.3	909.1	881.3	858.7	850.0
25°	768.3	768.3	773.5	782.2	785.7	775.2	777.0	764.8	743.9	733.5
27.5°	651.8	655.3	660.5	664.0	657.0	644.9	629.2	639.7	629.2	604.9
30°	580.6	584.0	599.7	589.2	573.6	558.0	549.3	563.2	564.9	544.1
32.5°	575.3	577.1	582.3	577.1	558.0	538.8	526.7	542.3	545.8	537.1
35°	601.4	596.2	603.2	606.6	587.5	566.7	551.0	564.9	575.3	578.8
37.5°	728.3	698.8	676.2	669.2	657.0	643.1	622.3	625.7	644.9	662.3
40°	693.5	686.6	677.9	655.3	632.7	650.1	625.7	618.8	662.3	665.7
42.5°	688.3	693.5	686.6	658.8	636.2	653.6	648.3	627.5	670.9	665.7
45°	691.8	697.0	712.7	665.7	646.6	655.3	665.7	643.1	686.6	669.2
47.5°	664.0	670.9	688.3	662.3	650.1	648.3	664.0	643.1	665.7	664.0
50°	627.5	634.4	639.7	617.1	639.7	627.5	629.2	620.5	620.5	624.0
52.5°	580.6	587.5	592.7	566.7	580.6	585.8	564.9	563.2	547.5	552.7
55°	523.2	533.6	538.8	528.4	521.5	531.9	502.3	498.9	467.6	469.3
57.5°	457.1	467.6	472.8	485.0	479.7	458.9	441.5	427.6	392.8	378.9
60°	471.0	481.5	471.0	436.3	436.3	389.4	373.7	344.2	309.4	292.0
62.5°	455.4	469.3	467.6	431.1	387.6	328.5	300.7	269.4	234.7	212.1
65°	429.3	443.2	436.3	412.0	370.2	281.6	239.9	208.6	165.1	159.9
67.5°	385.9	406.7	392.8	377.2	344.2	255.5	191.2	156.4	119.9	119.9
70°	319.8	335.5	344.2	326.8	307.7	239.9	163.4	119.9	86.9	66.1
72.5°	257.3	271.2	285.1	276.4	259.0	217.3	146.0	95.6	62.6	38.2
75°	142.5	147.7	153.0	173.8	198.2	177.3	133.8	83.4	52.1	29.5
77.5°	109.5	114.7	126.9	116.5	107.8	137.3	146.0	97.3	45.2	20.9
80°	85.2	92.1	130.4	107.8	92.1	104.3	125.1	85.2	29.5	10.4
82.5°	64.3	69.5	92.1	102.6	97.3	78.2	67.8	57.4	26.1	7.0
85°	46.9	53.9	64.3	57.4	55.6	55.6	74.7	50.4	19.1	5.2
87.5°	27.8	27.8	29.5	27.8	26.1	26.1	29.5	24.3	12.2	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
177146.0
173229.9
162602.6
141038.6
110467.3
78418.5
48860.5
26545.7
13808.2
7926.2
5171.1
2628.1
1713.9
1241.1
992.5
839.5
724.8
606.6
537.1
531.9
578.8
677.9
670.9
662.3
664.0
660.5
611.8
544.1
457.1
370.2
278.1
208.6
159.9
106.0
59.1
36.5
26.1
10.4
7.0
5.2
3.5
3.5
0.0

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