

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: P635873

Luminaire Tested: **IFLD-S-SA3B-930-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635873
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-930-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (48) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7996.9 lumens
Efficiency: N/A
Efficacy: 65.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 122.4
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



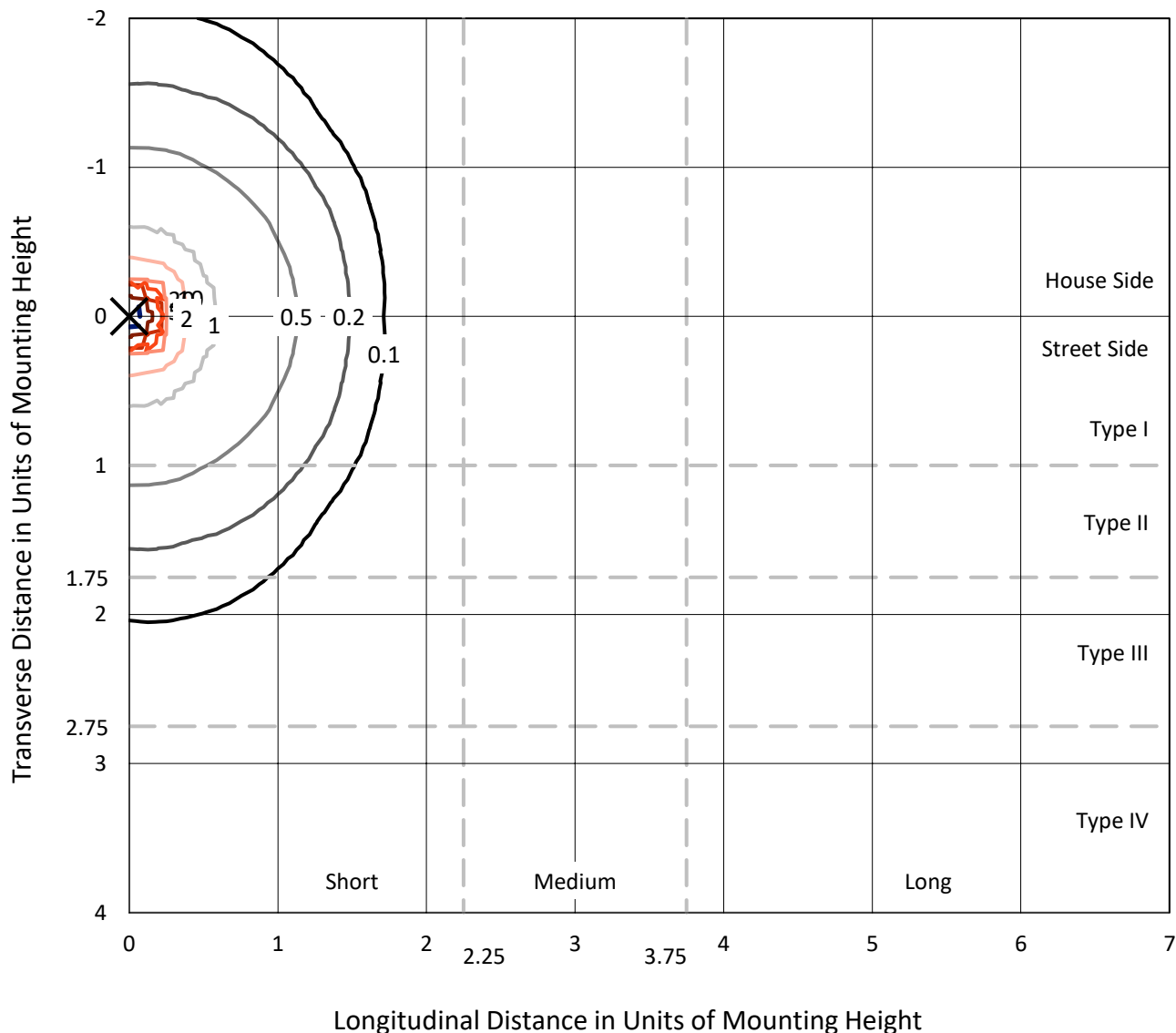
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

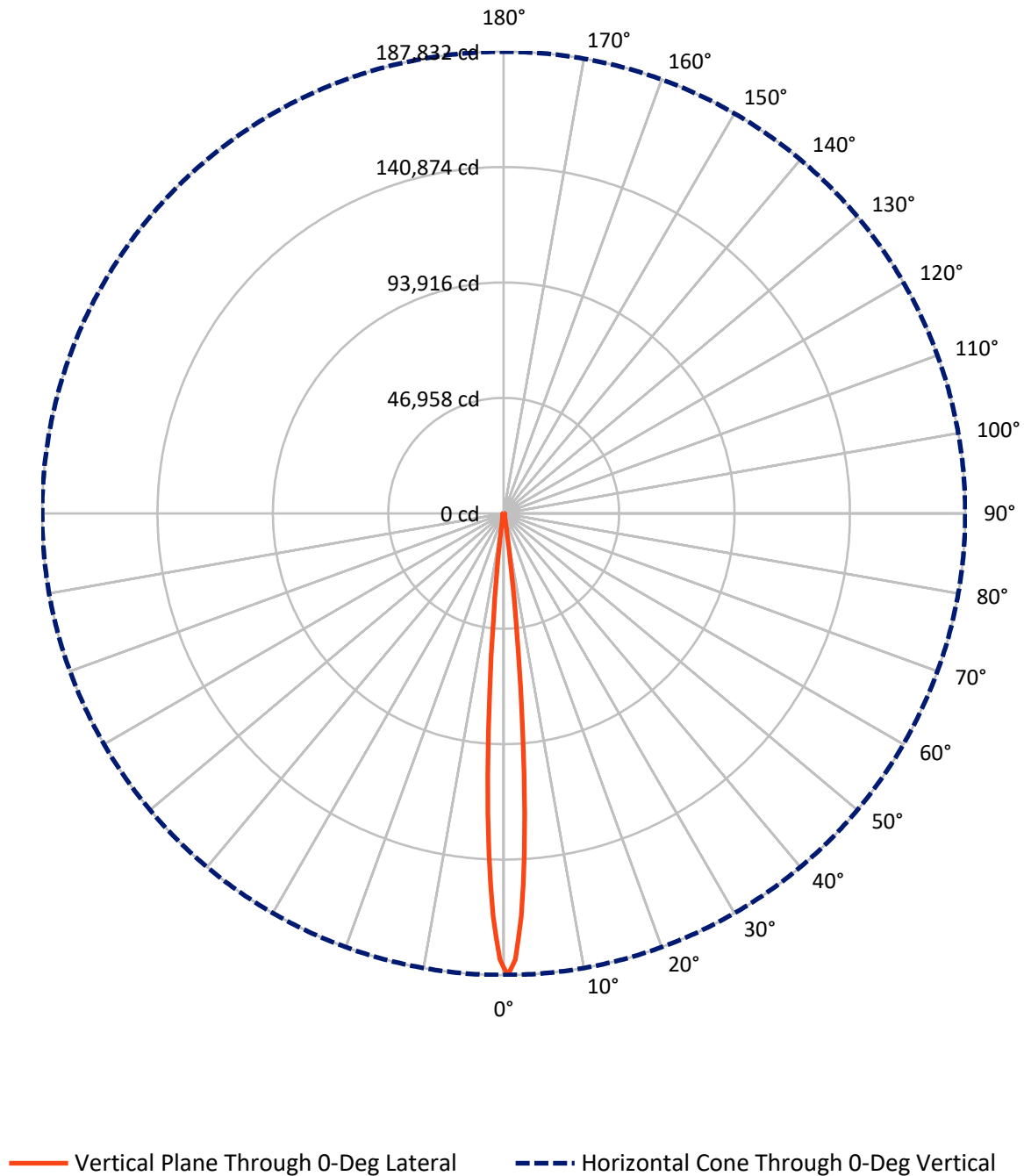


Based on 20 foot mounting height. Maximum calculated value = 469.6 fc

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	3998.4	0.0	3998.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3998.4	0.0	3998.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	7996.9	0.0	7996.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5047.4	63.1
10°-20°	623.8	7.8
20°-30°	373.7	4.7
30°-40°	401.9	5.0
40°-50°	540.3	6.8
50°-60°	481.7	6.0
60°-70°	318.2	4.0
70°-80°	157.7	2.0
80°-90°	52.1	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°	7996.9	100.0
0°-180°	7996.9	100.0



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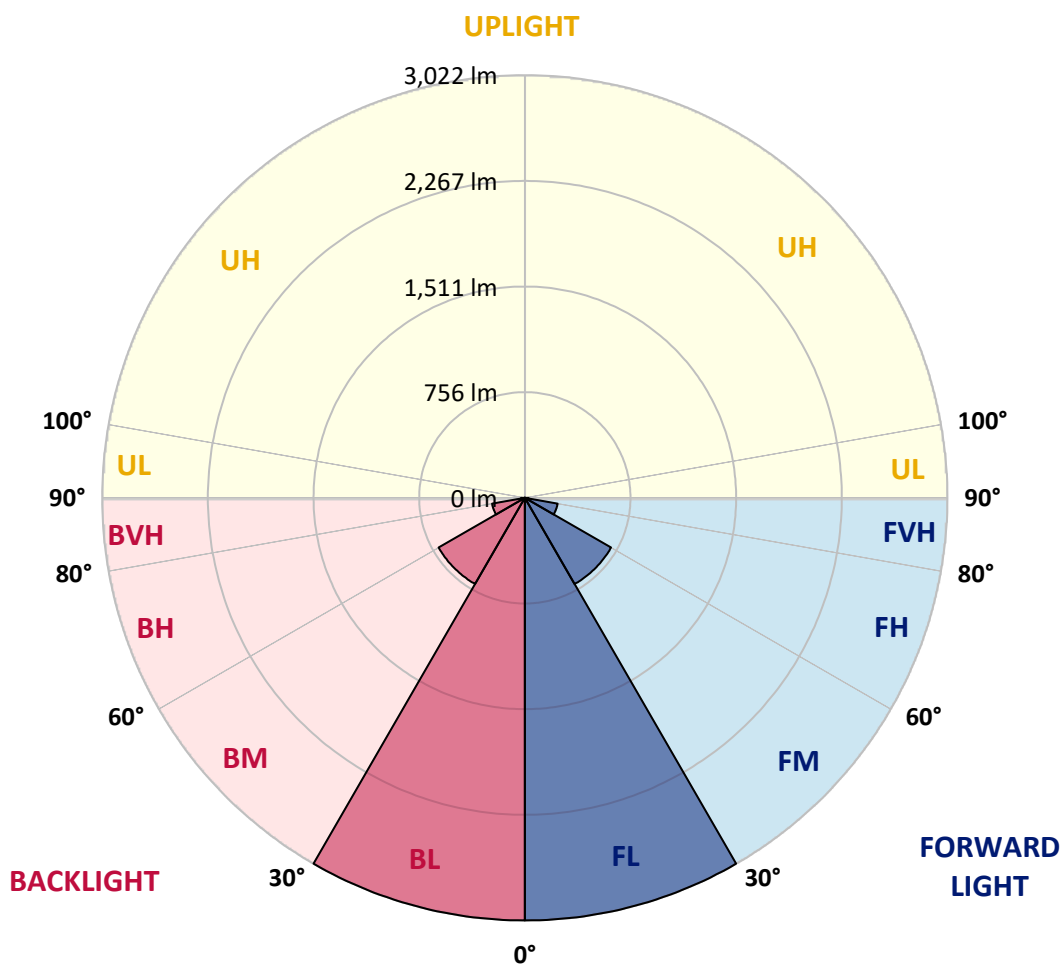
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3022.5	37.8			
FM	(30°-60°)	711.9	8.9			
FH	(60°-80°)	238.0	3.0			G0/660
FVH	(80°-90°)	26.0	0.3			G1/100
BL	(0°-30°)	3022.5	37.8	B4/5000		
BM	(30°-60°)	711.9	8.9	B1/1000		
BH	(60°-80°)	238.0	3.0	B1/500		G0/660
BVH	(80°-90°)	26.0	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°	187831.9	187831.9	187831.9	187831.9	187831.9	187831.9	187831.9	187831.9	187831.9	187831.9
1°	181536.1	179672.8	180631.1	181547.1	182831.7	183397.6	183974.4	184405.7	184398.3	185109.7
2°	164198.6	161196.3	162587.8	164294.4	167595.3	168542.6	170125.8	172085.0	172204.8	173977.8
3°	138399.7	134184.6	136234.1	139273.3	144745.2	146160.7	148698.6	150490.0	149690.1	151765.4
4°	106203.5	100703.9	103835.2	108334.1	113660.5	119064.3	119171.2	120455.8	117818.4	117691.2
5°	71652.0	66802.9	70820.8	76447.6	81049.7	84826.1	87152.0	87312.3	84461.1	84201.3
6°	43700.4	40491.7	43987.9	49942.8	56317.9	57888.1	58243.9	57436.6	53697.1	51627.3
7°	24153.1	22844.5	26261.5	29814.9	34785.6	37083.9	35493.3	32913.1	31768.5	29304.4
8°	13319.7	12674.6	13649.6	16720.1	20577.6	22087.0	20551.8	17872.0	15942.3	15260.4
9°	8030.1	7672.6	8070.7	9239.2	10905.3	11952.1	11073.0	9753.4	8938.8	8712.1
10°	5333.8	5193.7	5363.3	5757.7	6356.7	6662.6	6443.3	5919.9	5672.9	5658.1
12.5°	2799.6	2773.8	2816.2	2860.4	2963.6	2980.2	2941.5	2904.6	2847.5	2869.6
15°	1802.5	1778.5	1822.8	1879.9	1905.7	1922.3	1924.1	1903.9	1865.2	1846.7
17.5°	1314.1	1319.6	1323.3	1356.5	1406.2	1444.9	1428.4	1406.2	1362.0	1339.9
20°	1081.9	1083.7	1091.1	1109.5	1126.1	1179.5	1163.0	1129.8	1087.4	1070.8
22.5°	925.2	928.9	932.6	943.6	947.3	962.1	963.9	934.4	910.5	901.2
25°	814.6	814.6	820.2	829.4	833.1	822.0	823.8	810.9	788.8	777.8
27.5°	691.1	694.8	700.4	704.0	696.7	683.8	667.2	678.2	667.2	641.4
30°	615.6	619.3	635.8	624.8	608.2	591.6	582.4	597.1	599.0	576.9
32.5°	610.0	611.9	617.4	611.9	591.6	571.3	558.4	575.0	578.7	569.5
35°	637.7	632.2	639.5	643.2	622.9	600.8	584.2	599.0	610.0	613.7
37.5°	772.2	740.9	716.9	709.6	696.7	681.9	659.8	663.5	683.8	702.2
40°	735.4	728.0	718.8	694.8	670.9	689.3	663.5	656.1	702.2	705.9
42.5°	729.8	735.4	728.0	698.5	674.6	693.0	687.5	665.3	711.4	705.9
45°	733.5	739.1	755.6	705.9	685.6	694.8	705.9	681.9	728.0	709.6
47.5°	704.0	711.4	729.8	702.2	689.3	687.5	704.0	681.9	705.9	704.0
50°	665.3	672.7	678.2	654.3	678.2	665.3	667.2	658.0	658.0	661.7
52.5°	615.6	622.9	628.5	600.8	615.6	621.1	599.0	597.1	580.6	586.1
55°	554.8	565.8	571.3	560.3	552.9	564.0	532.6	529.0	495.8	497.6
57.5°	484.7	495.8	501.3	514.2	508.7	486.6	468.1	453.4	416.5	401.8
60°	499.5	510.5	499.5	462.6	462.6	412.8	396.3	364.9	328.1	309.6
62.5°	482.9	497.6	495.8	457.1	411.0	348.3	318.8	285.7	248.8	224.9
65°	455.2	470.0	462.6	436.8	392.6	298.6	254.3	221.2	175.1	169.6
67.5°	409.2	431.3	416.5	399.9	364.9	270.9	202.7	165.9	127.2	127.2
70°	339.1	355.7	364.9	346.5	326.2	254.3	173.2	127.2	92.2	70.0
72.5°	272.8	287.5	302.3	293.0	274.6	230.4	154.8	101.4	66.3	40.5
75°	151.1	156.7	162.2	184.3	210.1	188.0	141.9	88.5	55.3	31.3
77.5°	116.1	121.6	134.5	123.5	114.3	145.6	154.8	103.2	47.9	22.1
80°	90.3	97.7	138.2	114.3	97.7	110.6	132.7	90.3	31.3	11.1
82.5°	68.2	73.7	97.7	108.7	103.2	82.9	71.9	60.8	27.6	7.4
85°	49.8	57.1	68.2	60.8	59.0	59.0	79.3	53.4	20.3	5.5
87.5°	29.5	29.5	31.3	29.5	27.6	27.6	31.3	25.8	12.9	3.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
187831.9
183679.5
172411.2
149546.4
117130.9
83148.9
51807.9
28147.0
14641.1
8404.3
5483.1
2786.7
1817.2
1315.9
1052.4
890.2
768.5
643.2
569.5
564.0
613.7
718.8
711.4
702.2
704.0
700.4
648.8
576.9
484.7
392.6
294.9
221.2
169.6
112.4
62.7
38.7
27.6
11.1
7.4
5.5
3.7
3.7
0.0

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