

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: P525298

Luminaire Tested: **IFLD-M-SA4D-930-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525298
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-930-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (64) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

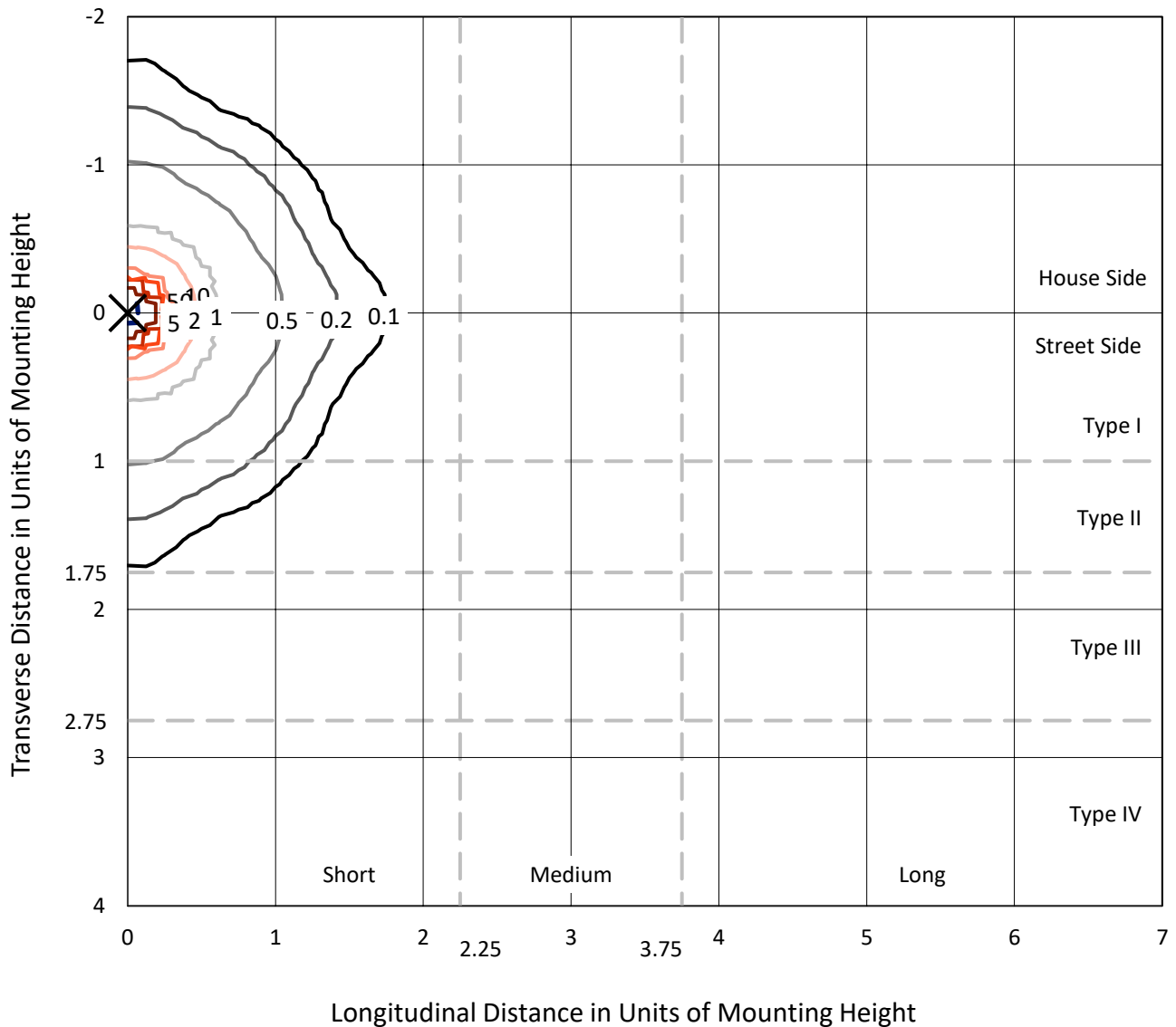
Lumens per Lamp: N/A
Luminaire Lumens: 11554 lumens
Efficiency: N/A
Efficacy: 46.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 249.7
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: 24 FT

REPORT NUMBER: P525298
 CATALOG NUMBER: IFLD-M-SA4D-930-U-11

Iso-Footcandle Lines of Horizontal Illumination

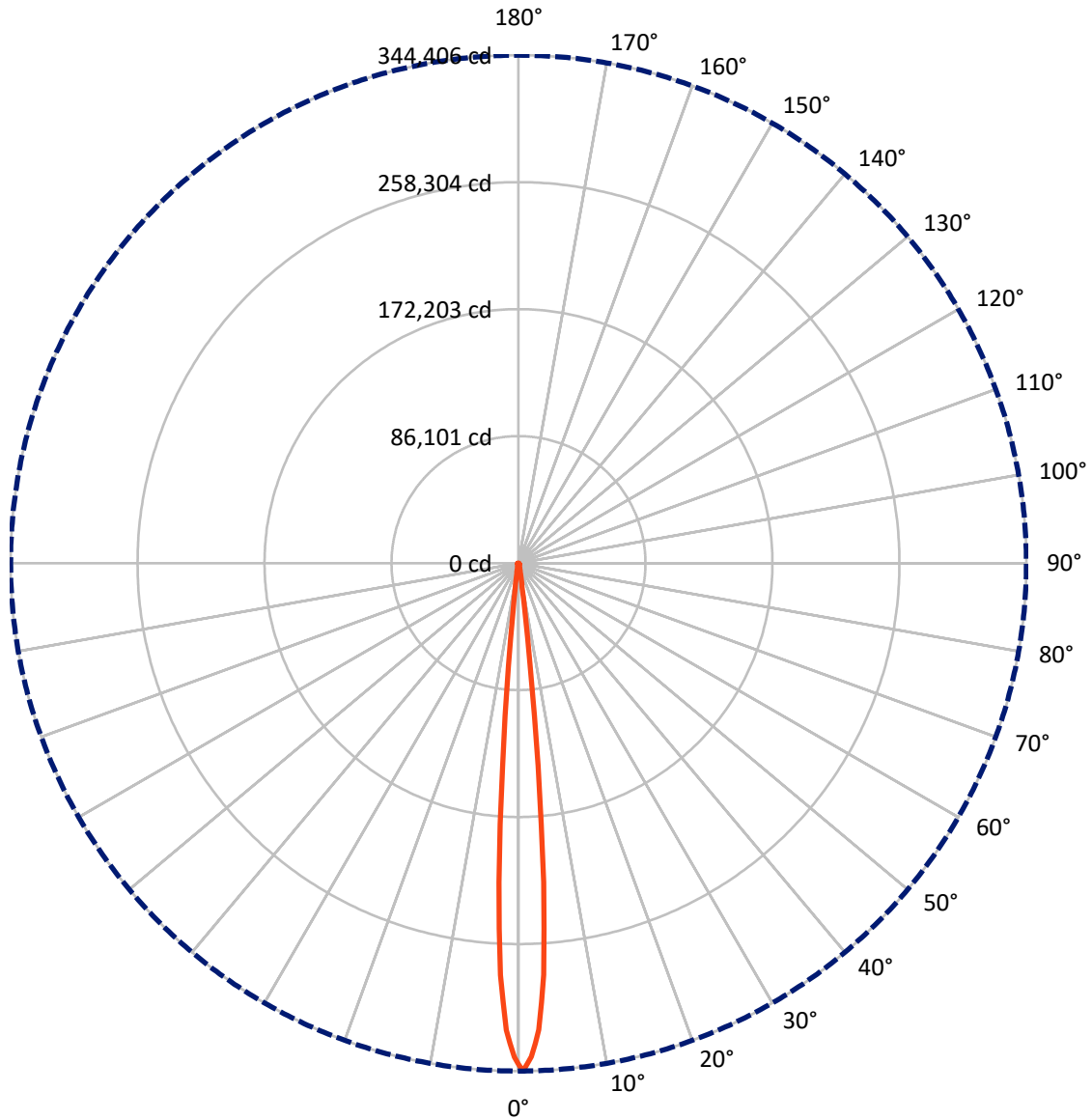
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 861 fc
 Type V - Short - N/A

REPORT NUMBER: P525298
CATALOG NUMBER: IFLD-M-SA4D-930-U-11

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

REPORT NUMBER: P525298
 CATALOG NUMBER: IFLD-M-SA4D-930-U-11

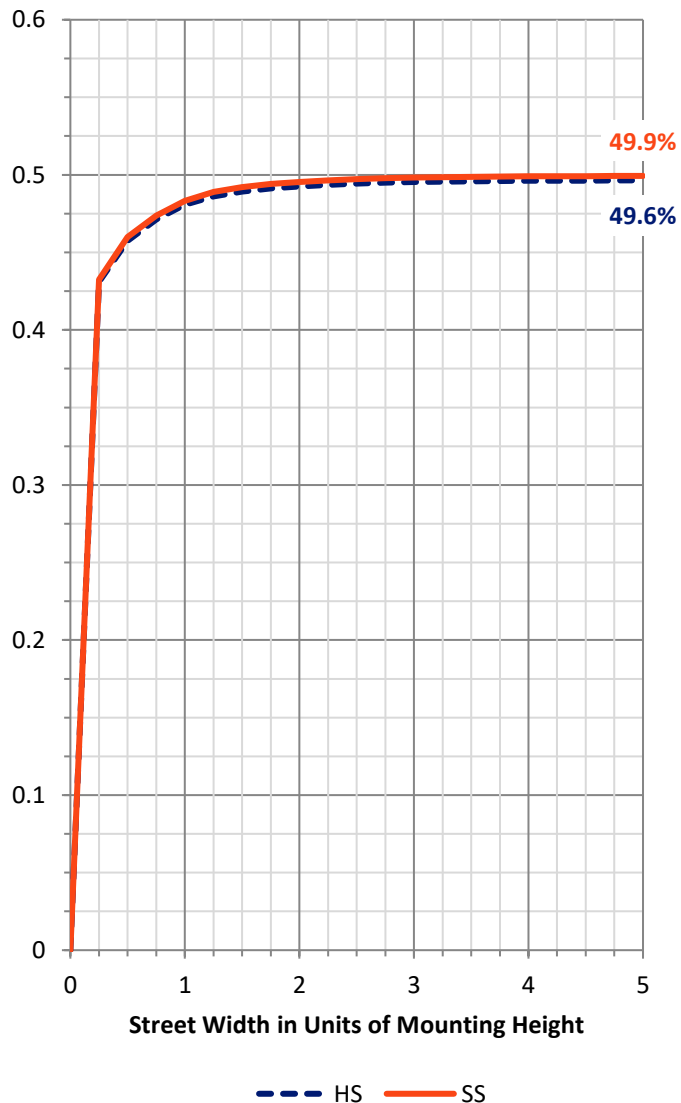
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5777.0	0.0	5777.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5777.0	0.0	5777.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11554.0	0.0	11554.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8873.4	76.8
10°-20°	865.5	7.5
20°-30°	462.4	4.0
30°-40°	381.4	3.3
40°-50°	424.6	3.7
50°-60°	285.5	2.5
60°-70°	182.2	1.6
70°-80°	71.9	0.6
80°-90°	7.0	0.1
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°	11554.0	100.0
0°-180°	11554.0	100.0

Coefficient of Utilization

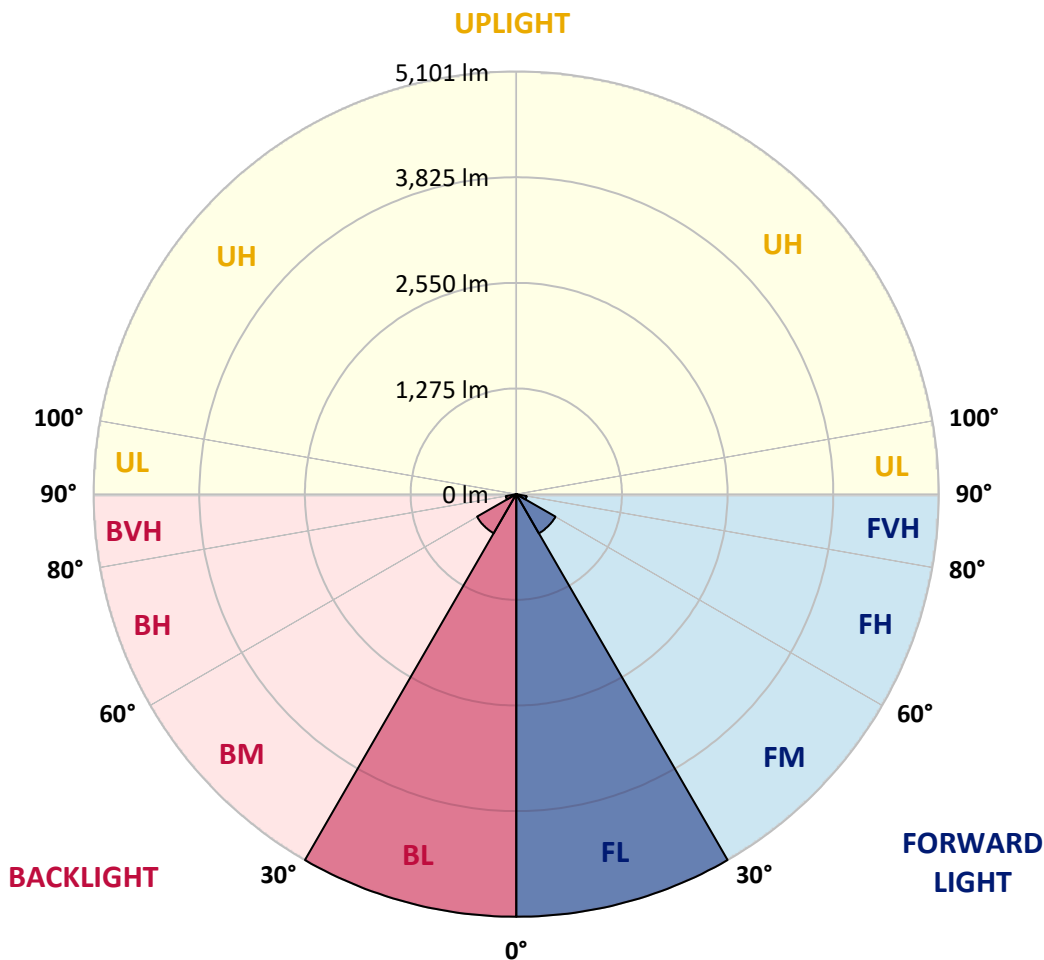


REPORT NUMBER: P525298
 CATALOG NUMBER: IFLD-M-SA4D-930-U-11

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5100.6	44.1			
FM (30°-60°)	545.8	4.7			
FH (60°-80°)	127.1	1.1			G0/660
FVH (80°-90°)	3.5	0.0			G0/10
BL (0°-30°)	5100.6	44.1	B5		
BM (30°-60°)	545.8	4.7	B1/1000		
BH (60°-80°)	127.1	1.1	B1/500		G0/660
BVH (80°-90°)	3.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	344405.5	344405.5	344405.5	344405.5	344405.5	344405.5	344405.5	344405.5	344405.5	344405.5
1°	334833.5	335415.8	335520.8	334827.5	333059.6	333476.8	333422.7	333515.8	333341.7	332237.1
2°	316704.0	317565.5	316659.0	314714.0	310685.9	309725.4	306516.7	302935.9	299123.9	295302.9
3°	279697.8	281510.7	280217.0	282294.1	274123.8	273298.4	266550.9	257654.3	248637.6	241331.8
4°	216860.0	220209.8	220654.0	227509.6	220798.1	222896.2	215188.1	202827.7	189338.7	179019.3
5°	138231.0	142901.5	145536.8	151966.2	155057.8	163108.0	159353.0	146947.6	131360.5	119489.3
6°	69843.4	72385.7	79466.4	86535.1	94429.2	105111.8	106558.5	95668.9	83263.4	71869.5
7°	32558.0	33608.5	38603.1	40109.9	49135.6	60724.6	62345.5	56375.4	49832.0	41001.4
8°	16823.8	17232.0	19056.9	20176.5	25441.3	32107.7	33245.3	29487.4	26810.0	22367.7
9°	10361.4	10541.5	11225.8	11478.0	13447.0	16412.6	16814.8	15241.9	14515.6	12981.8
10°	7185.7	7281.8	7603.0	7669.0	8326.3	9301.8	9337.9	8821.6	8833.6	8449.4
12.5°	3830.0	3860.0	3950.1	3959.1	4085.1	4187.2	4163.2	4166.2	4217.2	4166.2
15°	2449.3	2464.3	2518.3	2530.3	2596.4	2632.4	2614.4	2611.4	2629.4	2596.4
17.5°	1746.9	1755.9	1794.9	1828.0	1870.0	1882.0	1876.0	1870.0	1870.0	1840.0
20°	1362.7	1374.7	1401.7	1434.7	1455.8	1476.8	1479.8	1476.8	1467.8	1452.8
22.5°	1158.6	1164.6	1173.6	1188.6	1203.6	1212.6	1218.6	1221.6	1218.6	1212.6
25°	1008.5	1014.5	1032.5	1041.5	1041.5	1044.5	1056.6	1062.6	1065.6	1053.5
27.5°	744.4	759.4	786.4	801.4	801.4	807.4	816.4	828.4	840.4	819.4
30°	576.3	588.3	618.3	618.3	615.3	621.3	630.3	648.3	666.3	642.3
32.5°	519.3	519.3	525.3	528.3	528.3	537.3	543.3	558.3	573.3	567.3
35°	543.3	528.3	510.3	510.3	516.3	534.3	537.3	552.3	567.3	588.3
37.5°	789.4	744.4	678.4	666.3	666.3	687.4	678.4	687.4	714.4	792.4
40°	717.4	681.4	642.3	588.3	588.3	618.3	597.3	609.3	672.4	720.4
42.5°	639.3	639.3	597.3	546.3	546.3	561.3	555.3	561.3	633.3	672.4
45°	591.3	591.3	579.3	498.3	510.3	519.3	519.3	519.3	615.3	627.3
47.5°	564.3	564.3	534.3	459.2	474.2	477.2	483.3	477.2	552.3	594.3
50°	504.3	510.3	459.2	405.2	423.2	423.2	432.2	420.2	477.2	546.3
52.5°	435.2	441.2	363.2	321.2	342.2	339.2	351.2	333.2	378.2	474.2
55°	387.2	384.2	300.2	261.1	285.1	282.1	288.2	267.1	306.2	408.2
57.5°	336.2	342.2	246.1	213.1	240.1	234.1	243.1	219.1	252.1	363.2
60°	297.2	306.2	210.1	180.1	207.1	201.1	210.1	183.1	216.1	327.2
62.5°	285.1	285.1	186.1	153.1	180.1	174.1	180.1	153.1	192.1	300.2
65°	339.2	321.2	168.1	126.1	153.1	147.1	153.1	126.1	168.1	288.2
67.5°	450.2	429.2	159.1	99.1	123.1	114.1	123.1	102.1	147.1	270.1
70°	234.1	249.1	159.1	78.0	93.0	93.0	90.0	78.0	123.1	198.1
72.5°	135.1	138.1	123.1	60.0	72.0	78.0	69.0	60.0	90.0	147.1
75°	75.0	84.0	78.0	45.0	54.0	60.0	51.0	45.0	63.0	105.1
77.5°	45.0	51.0	45.0	30.0	36.0	33.0	36.0	30.0	42.0	69.0
80°	24.0	24.0	24.0	18.0	18.0	21.0	21.0	18.0	24.0	36.0
82.5°	9.0	9.0	9.0	6.0	9.0	9.0	9.0	12.0	12.0	15.0
85°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
87.5°	0.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
344405.5
333326.7
297503.0
244102.2
181411.5
121011.1
72721.9
42069.9
22971.0
13314.9
8626.5
4223.2
2620.4
1849.0
1455.8
1215.6
1053.5
816.4
636.3
567.3
600.3
831.4
765.4
675.4
624.3
585.3
540.3
462.2
402.2
354.2
318.2
297.2
288.2
267.1
195.1
144.1
93.0
51.0
30.0
15.0
3.0
3.0
0.0

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