

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: P525273

Luminaire Tested: **IFLD-S-SA2D-930-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525273
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-930-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (32) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

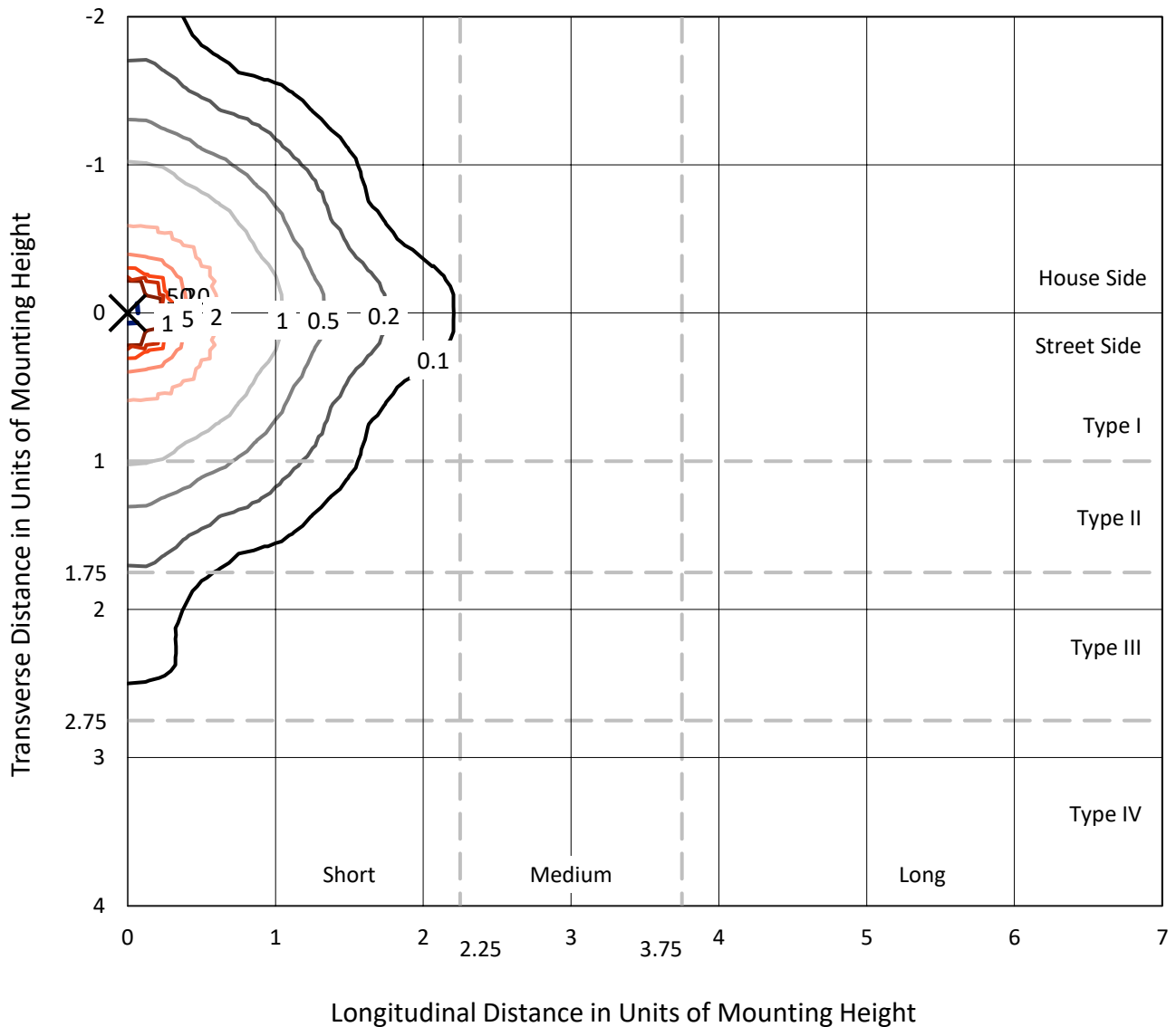
Lumens per Lamp: N/A
Luminaire Lumens: 5776.1 lumens
Efficiency: N/A
Efficacy: 46.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

Input Watts (W): 123.9
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

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Iso-Footcandle Lines of Horizontal Illumination

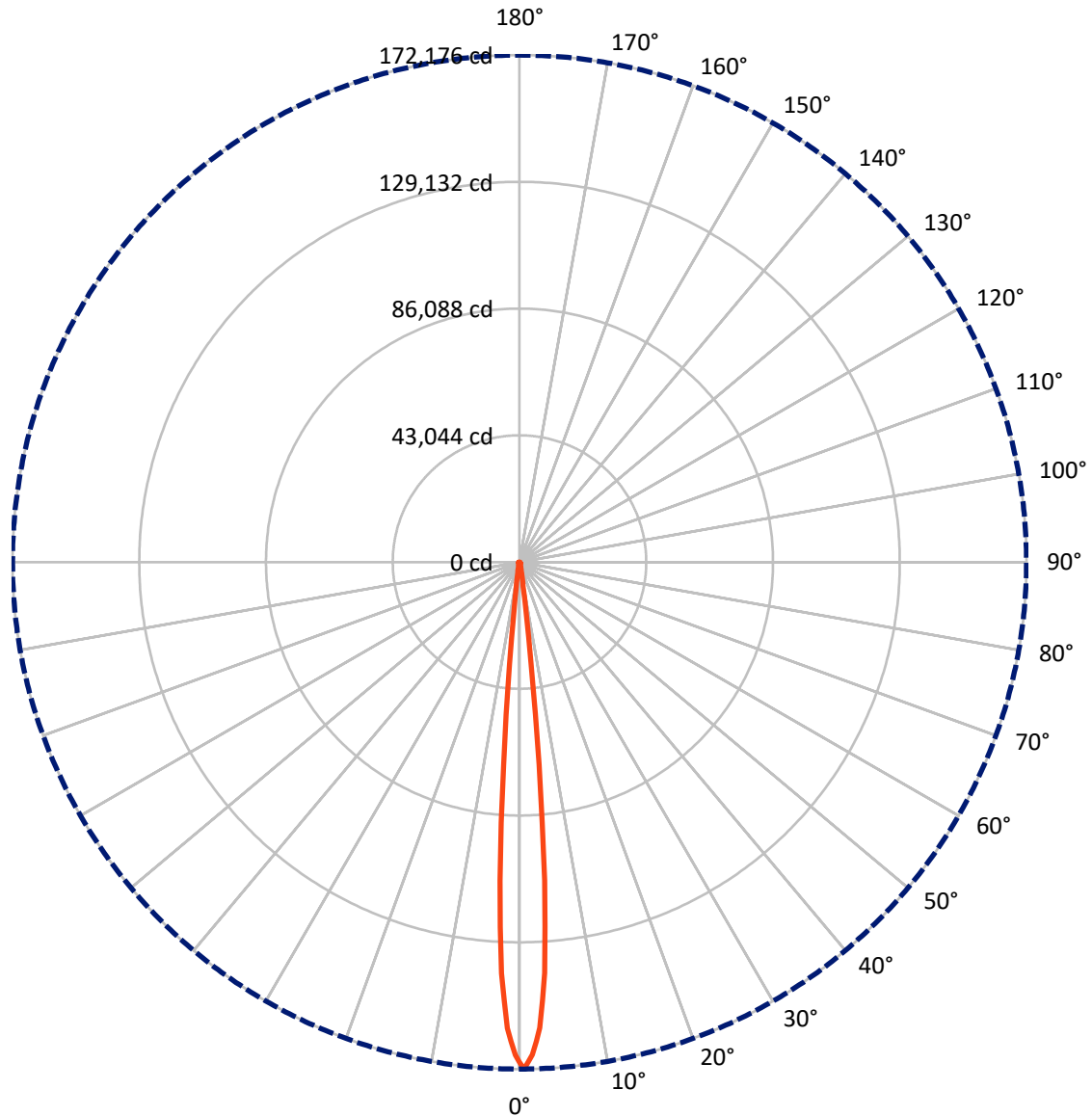
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1721.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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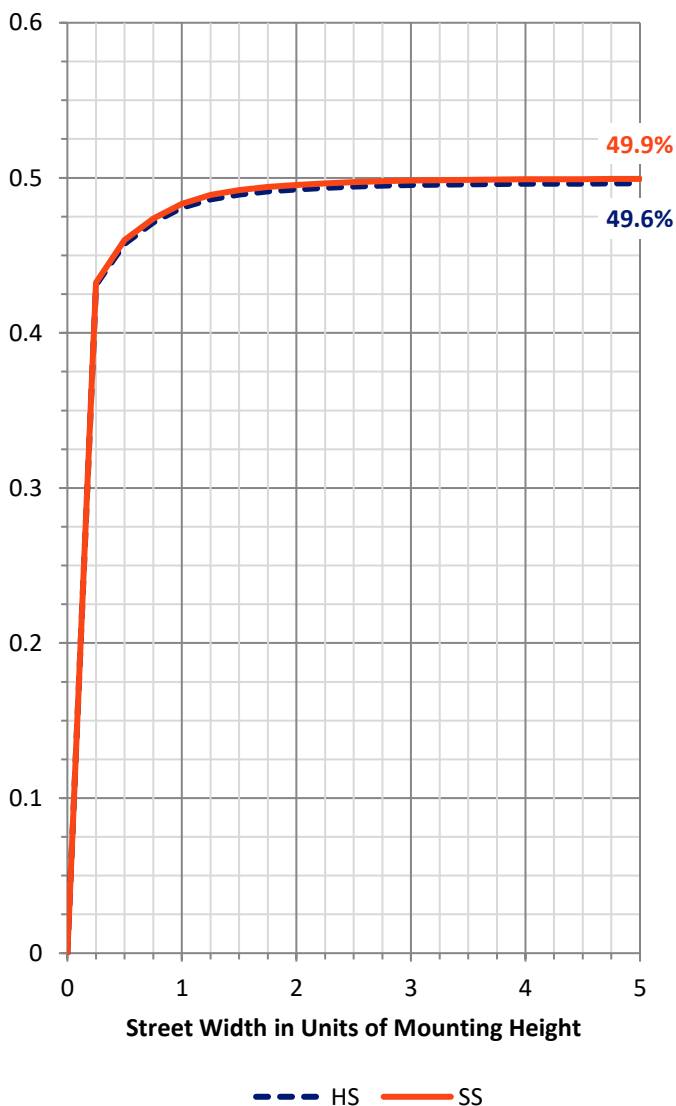
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2888.0	0.0	2888.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2888.0	0.0	2888.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5776.1	0.0	5776.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4436.0	76.8
10°-20°	432.7	7.5
20°-30°	231.2	4.0
30°-40°	190.6	3.3
40°-50°	212.3	3.7
50°-60°	142.8	2.5
60°-70°	91.1	1.6
70°-80°	36.0	0.6
80°-90°	3.5	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°	5776.1	100.0
0°-180°	5776.1	100.0

Coefficient of Utilization

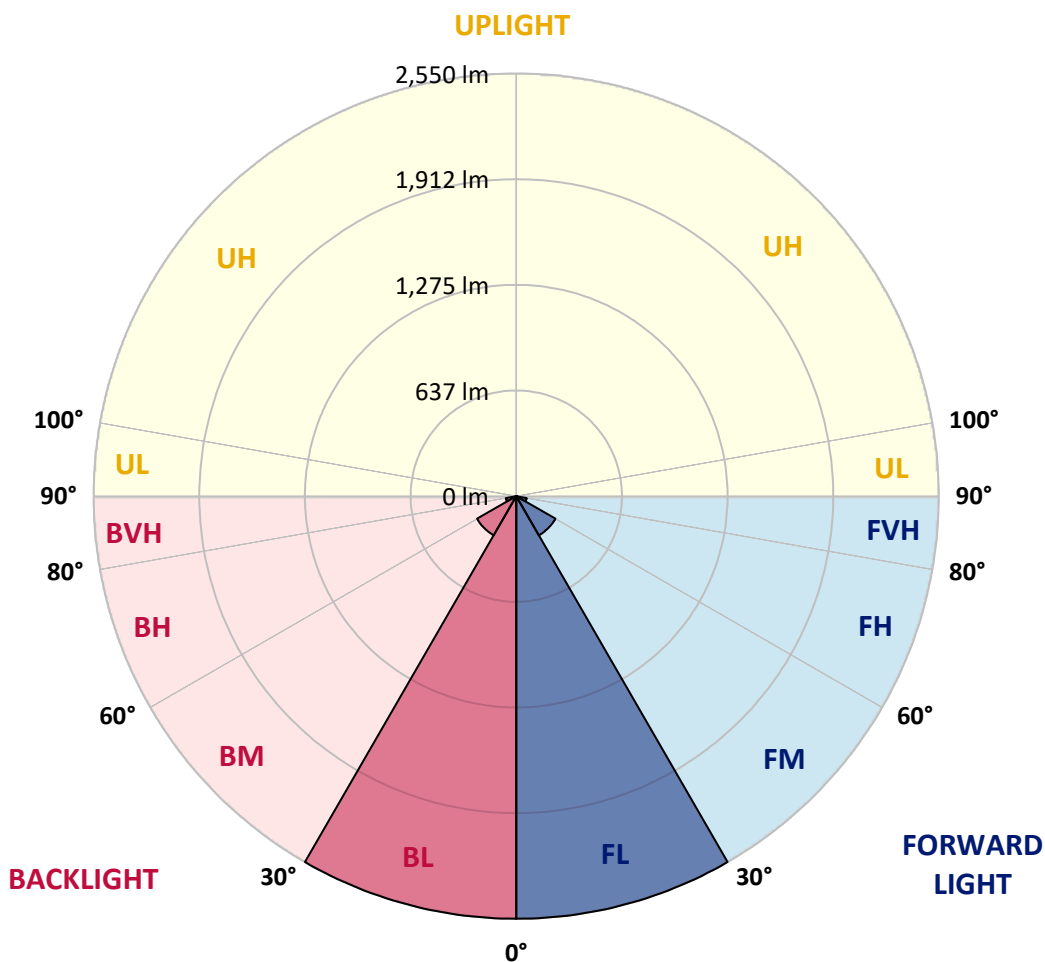


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2549.9	44.1			
FM (30°-60°)	272.8	4.7			
FH (60°-80°)	63.5	1.1			G0/660
FVH (80°-90°)	1.8	0.0			G0/10
BL (0°-30°)	2549.9	44.1	B4/5000		
BM (30°-60°)	272.8	4.7	B1/1000		
BH (60°-80°)	63.5	1.1	B0/110		G0/660
BVH (80°-90°)	1.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	172175.9	172175.9	172175.9	172175.9	172175.9	172175.9	172175.9	172175.9	172175.9	172175.9
1°	167390.6	167681.7	167734.2	167387.6	166503.8	166712.4	166685.4	166731.9	166644.9	166092.6
2°	158327.3	158758.0	158304.8	157332.4	155318.7	154838.5	153234.5	151444.3	149538.6	147628.4
3°	139827.1	140733.4	140086.7	141125.0	137040.5	136627.9	133254.7	128807.0	124299.4	120647.1
4°	108413.1	110087.7	110309.8	113737.0	110381.8	111430.7	107577.3	101398.0	94654.6	89495.7
5°	69104.7	71439.6	72757.1	75971.2	77516.8	81541.3	79664.1	73462.3	65670.0	59735.3
6°	34916.2	36187.2	39727.0	43260.8	47207.2	52547.7	53271.0	47827.0	41625.2	35929.1
7°	16276.4	16801.6	19298.5	20051.8	24564.0	30357.6	31167.9	28183.3	24912.1	20497.5
8°	8410.6	8614.6	9527.0	10086.7	12718.6	16051.4	16620.1	14741.4	13402.9	11182.1
9°	5179.9	5269.9	5612.0	5738.1	6722.5	8205.0	8406.1	7619.8	7256.6	6489.9
10°	3592.3	3640.3	3800.9	3833.9	4162.5	4650.2	4668.2	4410.1	4416.1	4224.0
12.5°	1914.7	1929.7	1974.7	1979.2	2042.2	2093.3	2081.3	2082.8	2108.3	2082.8
15°	1224.4	1231.9	1259.0	1265.0	1298.0	1316.0	1307.0	1305.5	1314.5	1298.0
17.5°	873.3	877.8	897.3	913.8	934.8	940.8	937.8	934.8	934.8	919.8
20°	681.2	687.3	700.8	717.3	727.8	738.3	739.8	738.3	733.8	726.3
22.5°	579.2	582.2	586.7	594.2	601.7	606.2	609.2	610.7	609.2	606.2
25°	504.2	507.2	516.2	520.7	520.7	522.2	528.2	531.2	532.7	526.7
27.5°	372.1	379.6	393.1	400.6	400.6	403.6	408.1	414.2	420.2	409.6
30°	288.1	294.1	309.1	309.1	307.6	310.6	315.1	324.1	333.1	321.1
32.5°	259.6	259.6	262.6	264.1	264.1	268.6	271.6	279.1	286.6	283.6
35°	271.6	264.1	255.1	255.1	258.1	267.1	268.6	276.1	283.6	294.1
37.5°	394.6	372.1	339.1	333.1	333.1	343.6	339.1	343.6	357.1	396.1
40°	358.6	340.6	321.1	294.1	294.1	309.1	298.6	304.6	336.1	360.1
42.5°	319.6	319.6	298.6	273.1	273.1	280.6	277.6	280.6	316.6	336.1
45°	295.6	295.6	289.6	249.1	255.1	259.6	259.6	259.6	307.6	313.6
47.5°	282.1	282.1	267.1	229.6	237.1	238.6	241.6	238.6	276.1	297.1
50°	252.1	255.1	229.6	202.6	211.6	211.6	216.1	210.1	238.6	273.1
52.5°	217.6	220.6	181.6	160.6	171.1	169.6	175.6	166.6	189.1	237.1
55°	193.6	192.1	150.1	130.5	142.6	141.1	144.1	133.5	153.1	204.1
57.5°	168.1	171.1	123.0	106.5	120.0	117.0	121.5	109.5	126.0	181.6
60°	148.6	153.1	105.0	90.0	103.5	100.5	105.0	91.5	108.0	163.6
62.5°	142.6	142.6	93.0	76.5	90.0	87.0	90.0	76.5	96.0	150.1
65°	169.6	160.6	84.0	63.0	76.5	73.5	76.5	63.0	84.0	144.1
67.5°	225.1	214.6	79.5	49.5	61.5	57.0	61.5	51.0	73.5	135.0
70°	117.0	124.5	79.5	39.0	46.5	46.5	45.0	39.0	61.5	99.0
72.5°	67.5	69.0	61.5	30.0	36.0	39.0	34.5	30.0	45.0	73.5
75°	37.5	42.0	39.0	22.5	27.0	30.0	25.5	22.5	31.5	52.5
77.5°	22.5	25.5	22.5	15.0	18.0	16.5	18.0	15.0	21.0	34.5
80°	12.0	12.0	12.0	9.0	9.0	10.5	10.5	9.0	12.0	18.0
82.5°	4.5	4.5	4.5	3.0	4.5	4.5	4.5	6.0	6.0	7.5
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
172175.9
166637.3
148728.3
122032.1
90691.6
60496.1
36355.3
21031.7
11483.7
6656.4
4312.6
2111.3
1310.0
924.3
727.8
607.7
526.7
408.1
318.1
283.6
300.1
415.7
382.6
337.6
312.1
292.6
270.1
231.1
201.1
177.1
159.1
148.6
144.1
133.5
97.5
72.0
46.5
25.5
15.0
7.5
1.5
1.5
0.0

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