

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: P524104

Luminaire Tested: **IFLD-S-SA2E-930-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524104
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2E-930-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (32) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

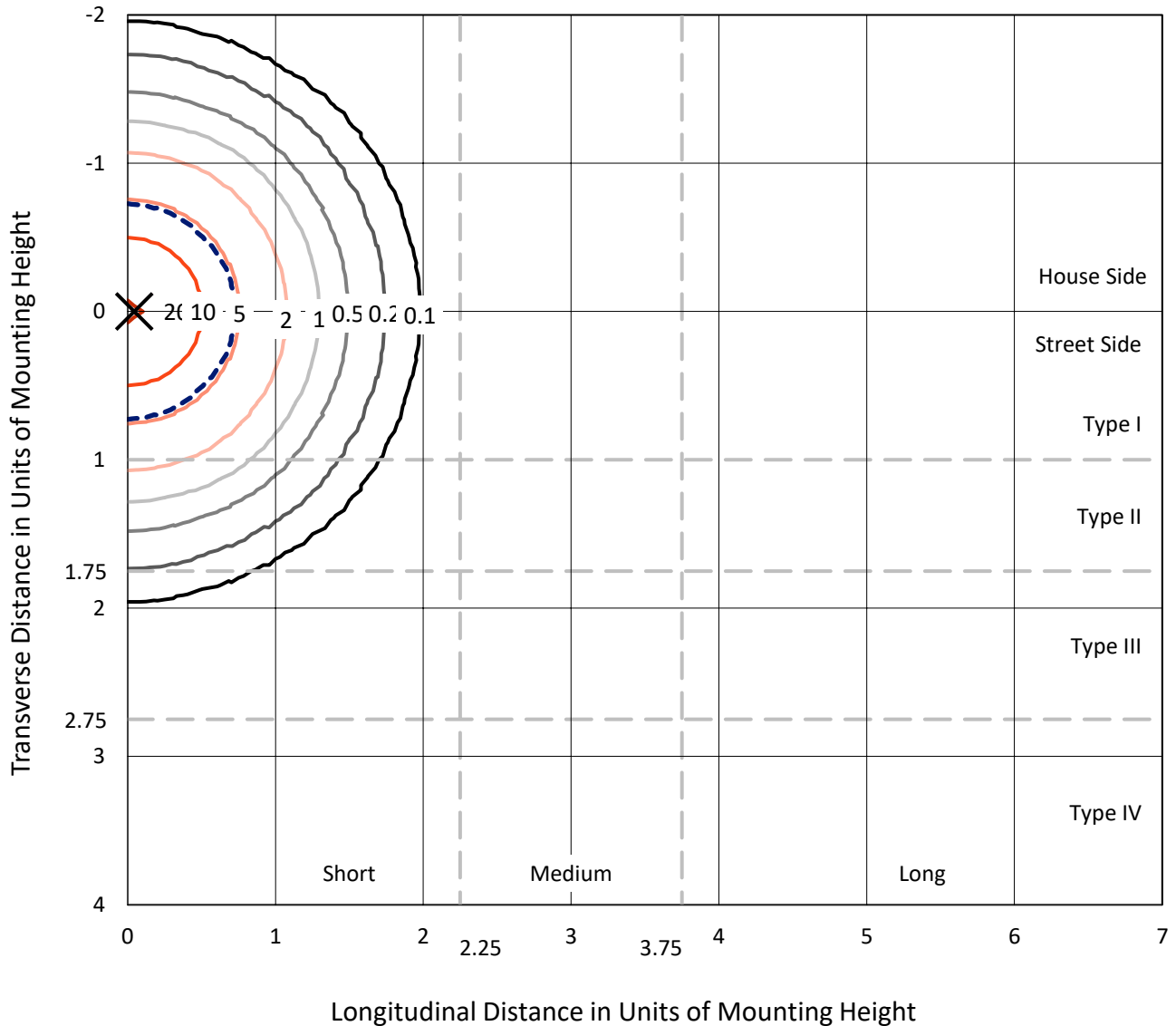
Lumens per Lamp: N/A
Luminaire Lumens: 12018.9 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 156.2
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: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

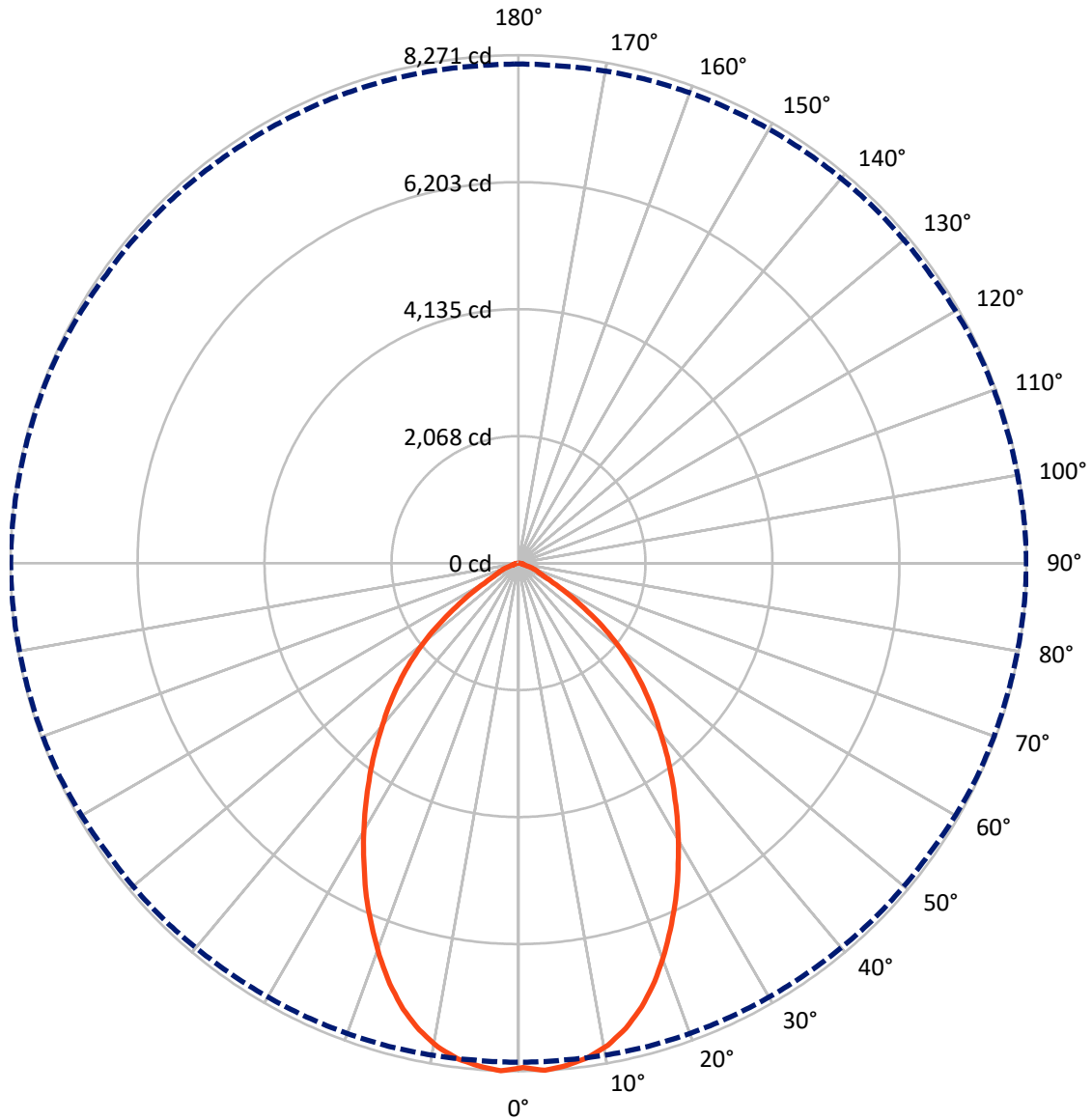
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 20.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6009.4	0.0	6009.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6009.4	0.0	6009.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	12018.9	0.0	12018.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	771.2	6.4
10°-20°	2072.3	17.2
20°-30°	2681.1	22.3
30°-40°	2644.2	22.0
40°-50°	2139.3	17.8
50°-60°	1164.8	9.7
60°-70°	369.1	3.1
70°-80°	142.8	1.2
80°-90°	34.1	0.3
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°	12018.9	100.0
0°-180°	12018.9	100.0

Coefficient of Utilization



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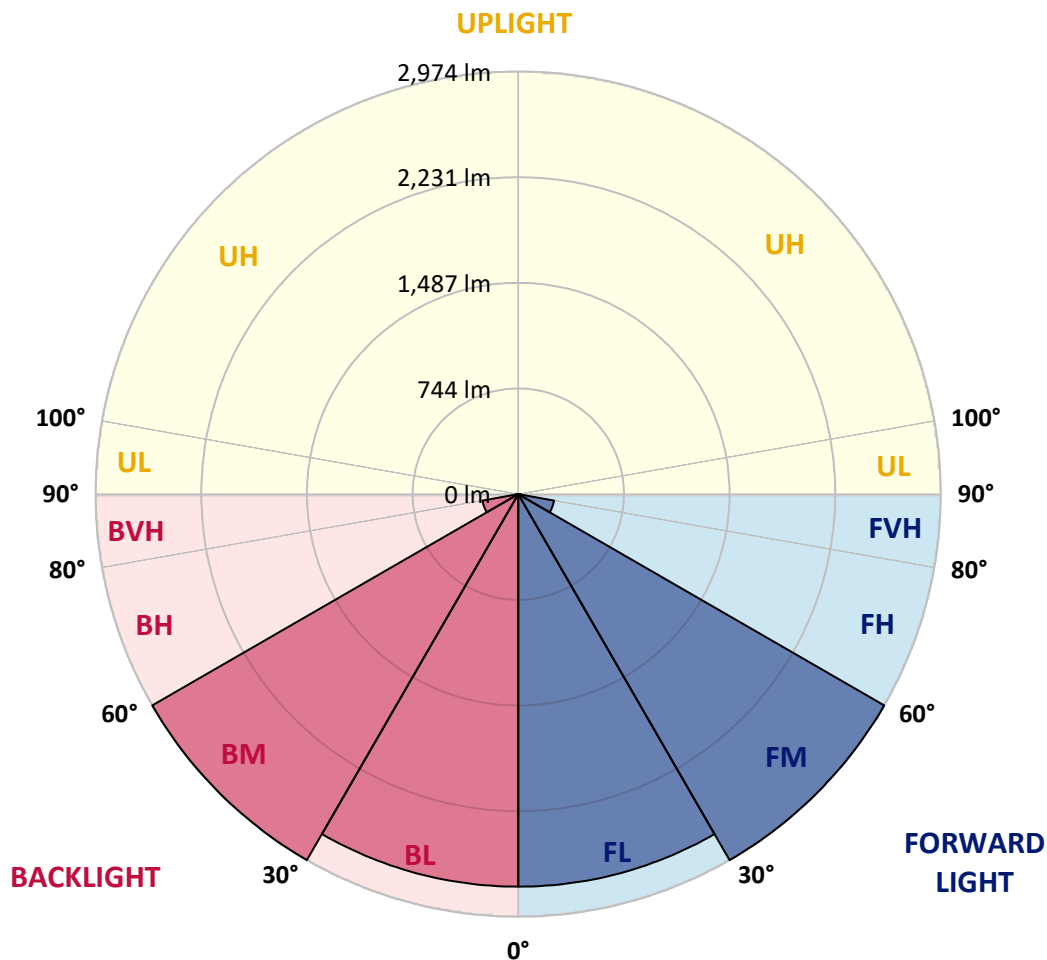
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2762.3	23.0			
FM (30°-60°)	2974.1	24.7			
FH (60°-80°)	255.9	2.1			G0/660
FVH (80°-90°)	17.1	0.1			G1/100
BL (0°-30°)	2762.3	23.0	B4/5000		
BM (30°-60°)	2974.1	24.7	B3/5000		
BH (60°-80°)	255.9	2.1	B1/500		G0/660
BVH (80°-90°)	17.1	0.1			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°	90°
0°	8215.2	8215.2	8215.2	8215.2	8215.2	8215.2	8215.2	8215.2	8215.2	8215.2	8215.2
2.5°	8126.7	8124.9	8145.8	8154.5	8164.9	8185.7	8192.7	8237.8	8243.0	8260.4	8270.8
5°	8112.8	8105.8	8126.7	8130.1	8142.3	8145.8	8156.2	8187.4	8184.0	8210.0	8215.2
7.5°	8038.1	8029.4	8046.8	8050.3	8067.6	8062.4	8079.8	8102.4	8102.4	8121.5	8130.1
10°	7871.4	7869.7	7887.0	7888.8	7913.1	7907.9	7935.7	7940.9	7954.8	7968.7	7984.3
12.5°	7671.7	7649.1	7671.7	7663.0	7696.0	7676.9	7715.1	7727.3	7734.2	7758.5	7770.7
15°	7414.7	7386.9	7402.6	7393.9	7414.7	7390.4	7430.3	7454.7	7463.3	7487.6	7499.8
17.5°	7070.9	7048.3	7051.8	7039.6	7053.5	7034.4	7072.6	7110.8	7123.0	7149.0	7166.4
20°	6638.5	6638.5	6640.3	6629.8	6642.0	6622.9	6647.2	6706.2	6718.4	6753.1	6782.6
22.5°	6216.6	6216.6	6221.8	6207.9	6211.3	6202.7	6228.7	6286.0	6305.1	6341.6	6378.0
25°	5812.0	5805.0	5808.5	5796.3	5782.4	5785.9	5817.2	5853.6	5895.3	5942.2	5970.0
27.5°	5426.5	5435.1	5414.3	5405.6	5395.2	5376.1	5412.6	5457.7	5487.2	5525.4	5539.3
30°	5014.9	5032.3	5016.7	5009.7	4983.7	4959.4	4997.6	5042.7	5072.2	5108.7	5124.3
32.5°	4648.5	4643.3	4629.4	4613.8	4587.7	4568.6	4584.3	4636.4	4658.9	4697.1	4702.4
35°	4256.1	4252.6	4243.9	4212.7	4204.0	4181.4	4195.3	4240.5	4257.8	4280.4	4297.8
37.5°	3872.3	3860.2	3856.7	3844.5	3828.9	3823.7	3823.7	3848.0	3865.4	3888.0	3905.3
40°	3492.0	3495.5	3485.1	3474.7	3469.5	3462.5	3464.3	3478.1	3492.0	3502.5	3512.9
42.5°	3148.2	3129.1	3122.2	3111.8	3117.0	3125.6	3106.5	3127.4	3144.7	3144.7	3167.3
45°	2754.0	2762.7	2766.2	2783.6	2783.6	2774.9	2767.9	2778.3	2795.7	2794.0	2816.6
47.5°	2410.2	2399.8	2408.5	2434.5	2457.1	2460.6	2439.7	2444.9	2450.2	2441.5	2462.3
50°	2033.4	2036.9	2035.1	2075.1	2120.2	2104.6	2089.0	2094.2	2092.4	2092.4	2095.9
52.5°	1623.6	1632.3	1621.9	1679.2	1727.8	1715.6	1705.2	1705.2	1713.9	1712.2	1710.4
55°	1250.3	1246.8	1224.2	1252.0	1295.4	1297.1	1281.5	1288.5	1297.1	1305.8	1304.1
57.5°	930.7	920.3	889.1	890.8	939.4	951.6	937.7	936.0	946.4	949.8	968.9
60°	626.9	625.1	597.3	595.6	614.7	647.7	632.1	632.1	635.5	640.8	646.0
62.5°	428.9	432.4	422.0	420.2	423.7	451.5	449.7	448.0	446.3	453.2	451.5
65°	336.9	338.6	335.1	335.1	336.9	349.0	361.2	362.9	364.7	366.4	364.7
67.5°	270.9	272.6	269.2	272.6	272.6	274.4	291.7	298.7	300.4	300.4	298.7
70°	208.4	215.3	218.8	218.8	218.8	218.8	231.0	239.6	237.9	227.5	217.1
72.5°	104.2	126.8	175.4	177.1	175.4	173.6	180.6	189.3	187.5	132.0	99.0
75°	69.5	74.7	137.2	144.1	142.4	135.4	142.4	152.8	149.3	85.1	81.6
77.5°	39.9	43.4	92.0	105.9	114.6	99.0	112.9	123.3	118.1	69.5	67.7
80°	31.3	29.5	66.0	81.6	78.1	62.5	92.0	99.0	90.3	52.1	46.9
82.5°	19.1	19.1	43.4	62.5	57.3	36.5	64.2	76.4	67.7	38.2	34.7
85°	10.4	12.2	20.8	31.3	33.0	24.3	34.7	41.7	41.7	24.3	24.3
87.5°	5.2	5.2	6.9	6.9	8.7	10.4	10.4	12.2	8.7	6.9	6.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)