

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: P525277

Luminaire Tested: **IFLD-S-SA3C-930-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525277
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-930-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (48) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

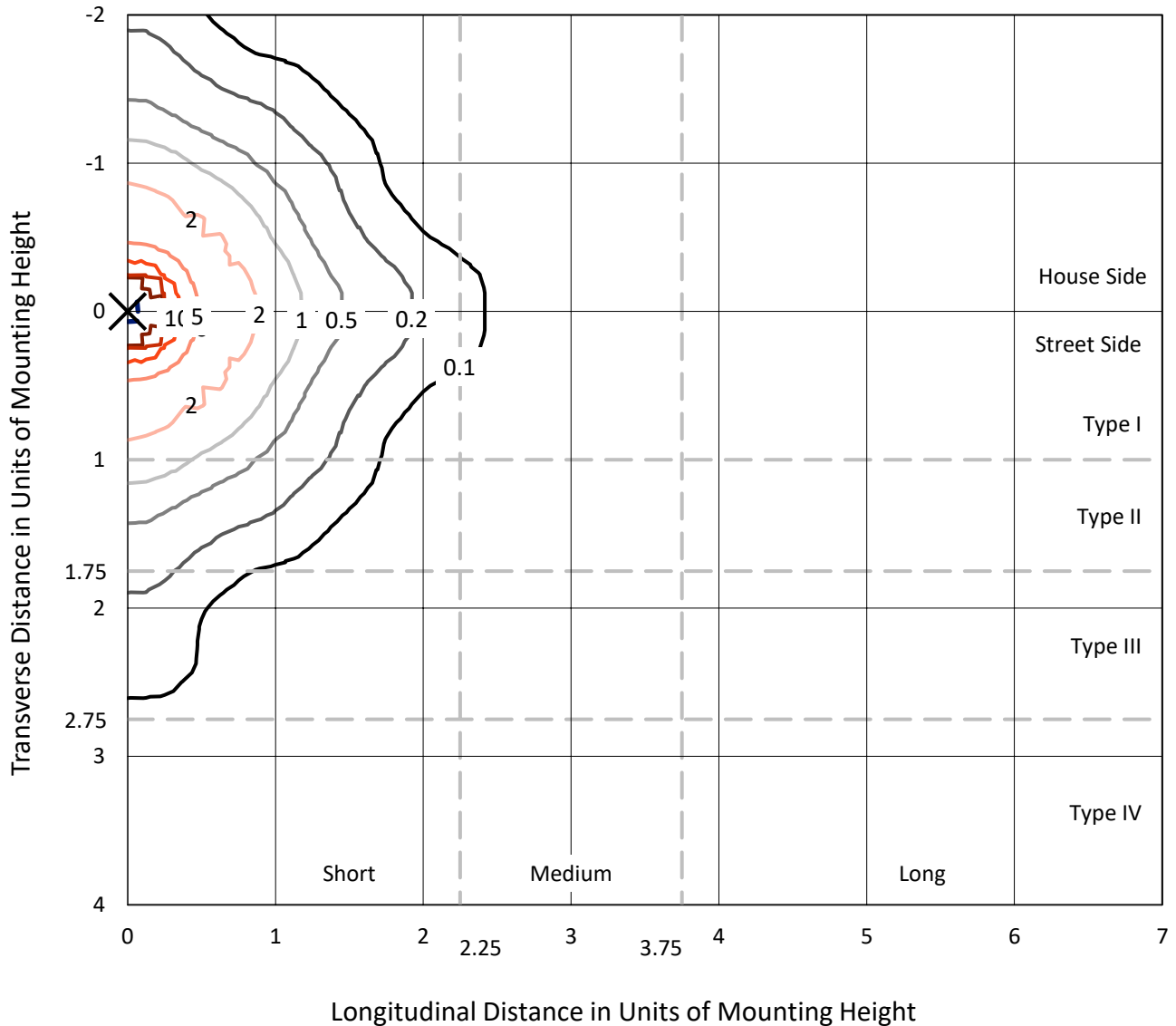
Lumens per Lamp: N/A
Luminaire Lumens: 7823.1 lumens
Efficiency: N/A
Efficacy: 48.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

Input Watts (W): 160.8
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

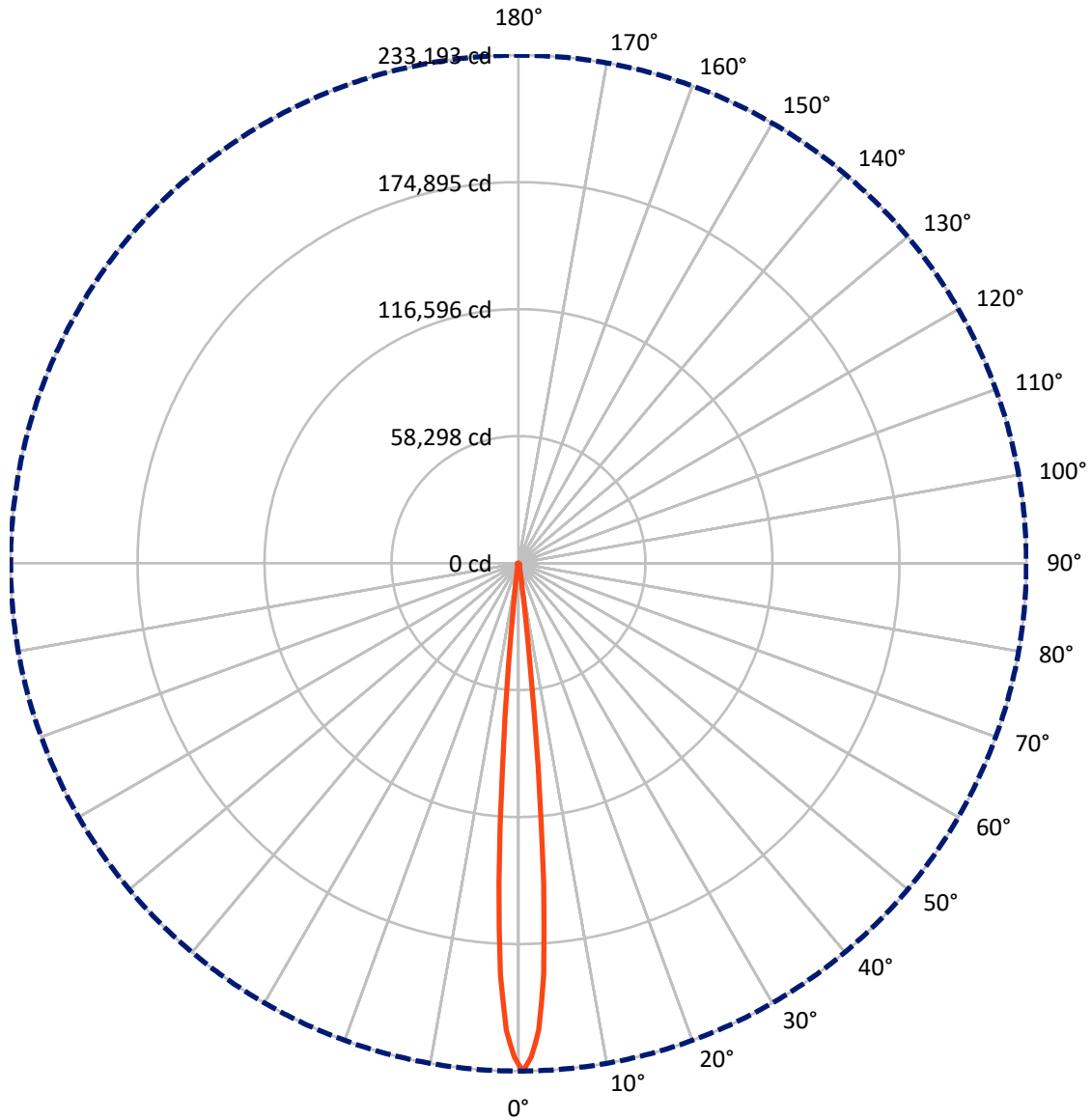
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2331.9 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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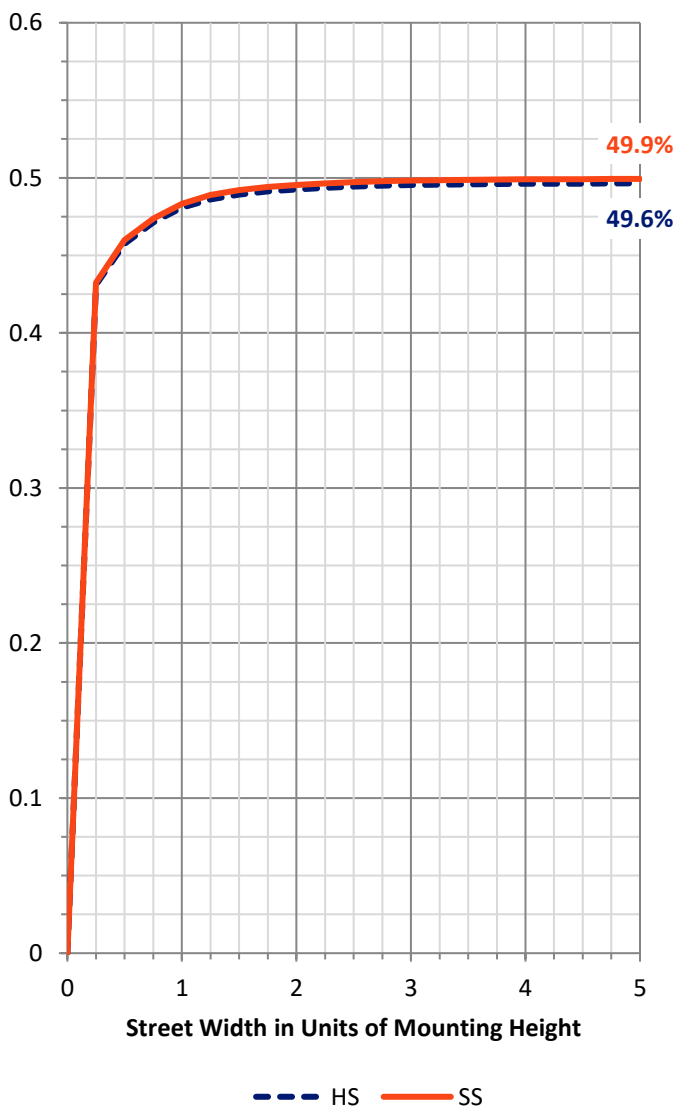
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3911.5	0.0	3911.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3911.5	0.0	3911.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7823.1	0.0	7823.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6008.1	76.8
10°-20°	586.0	7.5
20°-30°	313.1	4.0
30°-40°	258.2	3.3
40°-50°	287.5	3.7
50°-60°	193.3	2.5
60°-70°	123.4	1.6
70°-80°	48.7	0.6
80°-90°	4.8	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°	7823.1	100.0
0°-180°	7823.1	100.0

Coefficient of Utilization



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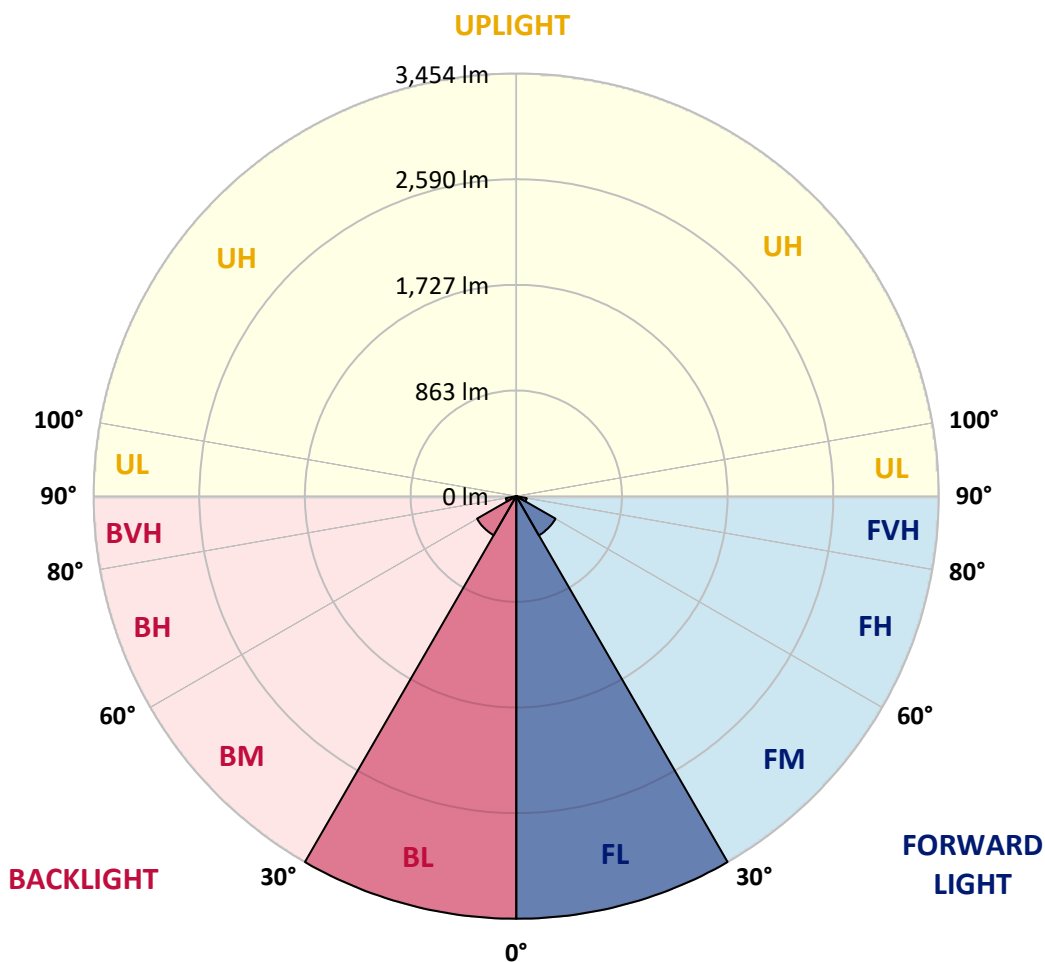
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3453.6	44.1			
FM (30°-60°)	369.5	4.7			
FH (60°-80°)	86.0	1.1			G0/660
FVH (80°-90°)	2.4	0.0			G0/10
BL (0°-30°)	3453.6	44.1	B4/5000		
BM (30°-60°)	369.5	4.7	B1/1000		
BH (60°-80°)	86.0	1.1	B0/110		G0/660
BVH (80°-90°)	2.4	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°	233192.9	233192.9	233192.9	233192.9	233192.9	233192.9	233192.9	233192.9	233192.9	233192.9
1°	226711.8	227106.1	227177.2	226707.7	225510.7	225793.2	225756.6	225819.6	225701.7	224953.8
2°	214436.6	215019.8	214406.1	213089.1	210361.8	209711.4	207538.9	205114.3	202533.2	199946.1
3°	189380.0	190607.6	189731.6	191138.0	185606.0	185047.1	180478.5	174454.7	168349.6	163402.9
4°	146833.4	149101.4	149402.2	154044.0	149499.8	150920.4	145701.3	137332.2	128199.0	121211.8
5°	93594.6	96756.9	98541.3	102894.5	104987.8	110438.5	107896.1	99496.5	88942.6	80904.8
6°	47290.1	49011.5	53805.8	58591.9	63936.9	71169.9	72149.5	64776.3	56376.7	48662.0
7°	22044.6	22755.9	26137.7	27157.9	33269.1	41115.9	42213.4	38171.1	33740.6	27761.5
8°	11391.2	11667.6	12903.2	13661.3	17226.0	21739.8	22510.0	19965.5	18152.7	15144.9
9°	7015.6	7137.5	7600.9	7771.6	9104.8	11112.7	11385.1	10320.1	9828.3	8789.8
10°	4865.4	4930.4	5147.9	5192.6	5637.7	6298.2	6322.6	5973.0	5981.1	5721.0
12.5°	2593.2	2613.6	2674.5	2680.6	2766.0	2835.1	2818.8	2820.9	2855.4	2820.9
15°	1658.4	1668.5	1705.1	1713.2	1758.0	1782.3	1770.2	1768.1	1780.3	1758.0
17.5°	1182.8	1188.9	1215.3	1237.7	1266.1	1274.3	1270.2	1266.1	1266.1	1245.8
20°	922.7	930.8	949.1	971.5	985.7	999.9	1001.9	999.9	993.8	983.6
22.5°	784.5	788.5	794.6	804.8	815.0	821.1	825.1	827.2	825.1	821.1
25°	682.9	686.9	699.1	705.2	705.2	707.2	715.4	719.4	721.5	713.3
27.5°	504.0	514.2	532.5	542.6	542.6	546.7	552.8	560.9	569.1	554.8
30°	390.2	398.3	418.7	418.7	416.6	420.7	426.8	439.0	451.2	434.9
32.5°	351.6	351.6	355.7	357.7	357.7	363.8	367.9	378.0	388.2	384.1
35°	367.9	357.7	345.5	345.5	349.6	361.8	363.8	373.9	384.1	398.3
37.5°	534.5	504.0	459.3	451.2	451.2	465.4	459.3	465.4	483.7	536.5
40°	485.7	461.3	434.9	398.3	398.3	418.7	404.4	412.6	455.2	487.8
42.5°	432.9	432.9	404.4	369.9	369.9	380.0	376.0	380.0	428.8	455.2
45°	400.4	400.4	392.2	337.4	345.5	351.6	351.6	351.6	416.6	424.8
47.5°	382.1	382.1	361.8	310.9	321.1	323.1	327.2	323.1	373.9	402.4
50°	341.4	345.5	310.9	274.4	286.6	286.6	292.7	284.5	323.1	369.9
52.5°	294.7	298.8	245.9	217.5	231.7	229.7	237.8	225.6	256.1	321.1
55°	262.2	260.1	203.2	176.8	193.1	191.0	195.1	180.9	207.3	276.4
57.5°	227.6	231.7	166.7	144.3	162.6	158.5	164.6	148.4	170.7	245.9
60°	201.2	207.3	142.3	121.9	140.2	136.2	142.3	124.0	146.3	221.5
62.5°	193.1	193.1	126.0	103.6	121.9	117.9	121.9	103.6	130.1	203.2
65°	229.7	217.5	113.8	85.4	103.6	99.6	103.6	85.4	113.8	195.1
67.5°	304.8	290.6	107.7	67.1	83.3	77.2	83.3	69.1	99.6	182.9
70°	158.5	168.7	107.7	52.8	63.0	63.0	61.0	52.8	83.3	134.1
72.5°	91.5	93.5	83.3	40.6	48.8	52.8	46.7	40.6	61.0	99.6
75°	50.8	56.9	52.8	30.5	36.6	40.6	34.5	30.5	42.7	71.1
77.5°	30.5	34.5	30.5	20.3	24.4	22.4	24.4	20.3	28.5	46.7
80°	16.3	16.3	16.3	12.2	12.2	14.2	14.2	12.2	16.3	24.4
82.5°	6.1	6.1	6.1	4.1	6.1	6.1	6.1	8.1	8.1	10.2
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
233192.9
225691.6
201435.8
165278.7
122831.6
81935.2
49239.1
28485.0
15553.4
9015.4
5840.9
2859.5
1774.2
1251.9
985.7
823.1
713.3
552.8
430.9
384.1
406.5
563.0
518.2
457.3
422.7
396.3
365.8
313.0
272.3
239.8
215.4
201.2
195.1
180.9
132.1
97.6
63.0
34.5
20.3
10.2
2.0
2.0
0.0

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