

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: P525337

Luminaire Tested: **IFLD-M-SA4D-935-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525337
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-935-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (64) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

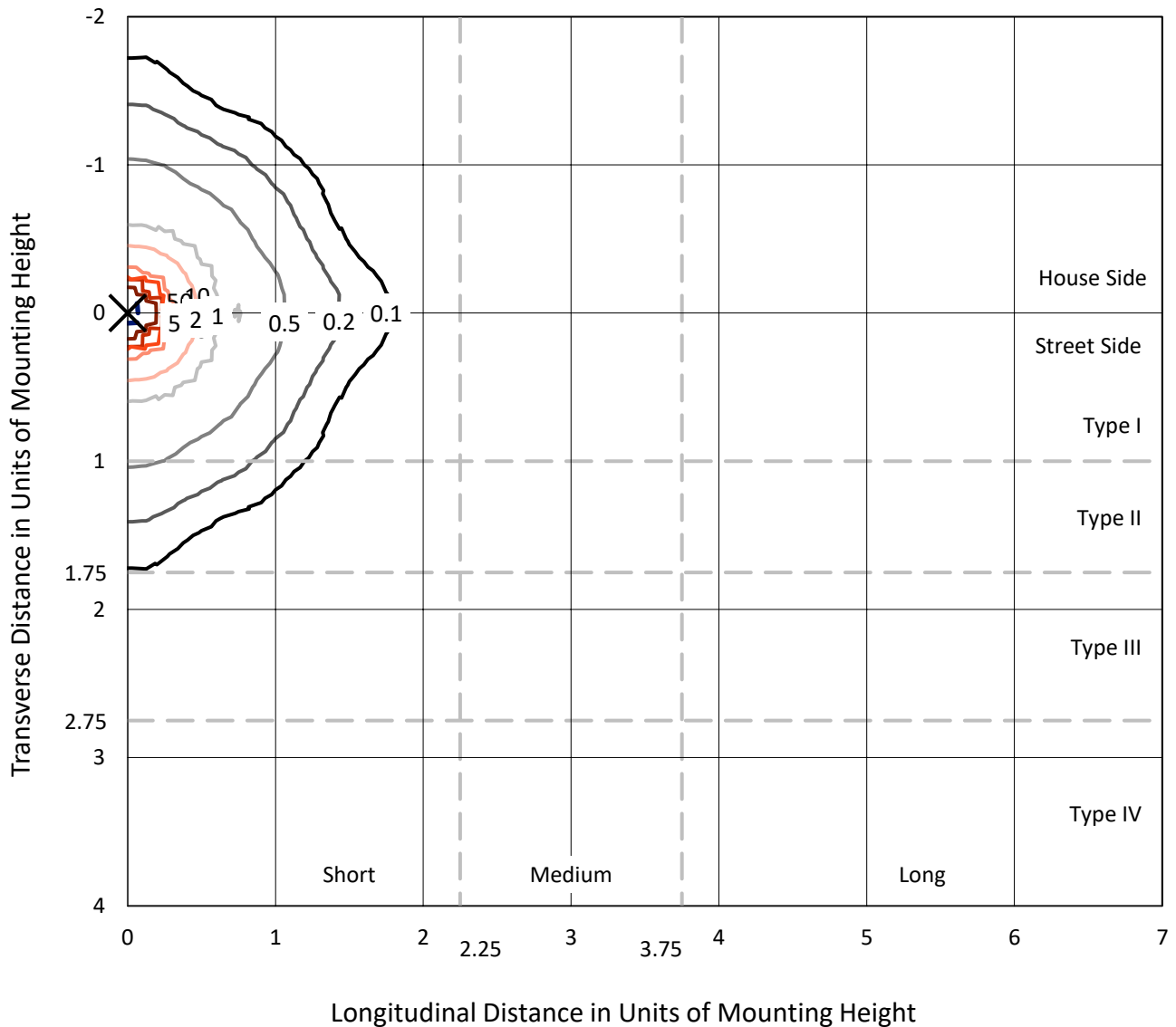
Lumens per Lamp: N/A
Luminaire Lumens: 11987.1 lumens
Efficiency: N/A
Efficacy: 48.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

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

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Iso-Footcandle Lines of Horizontal Illumination

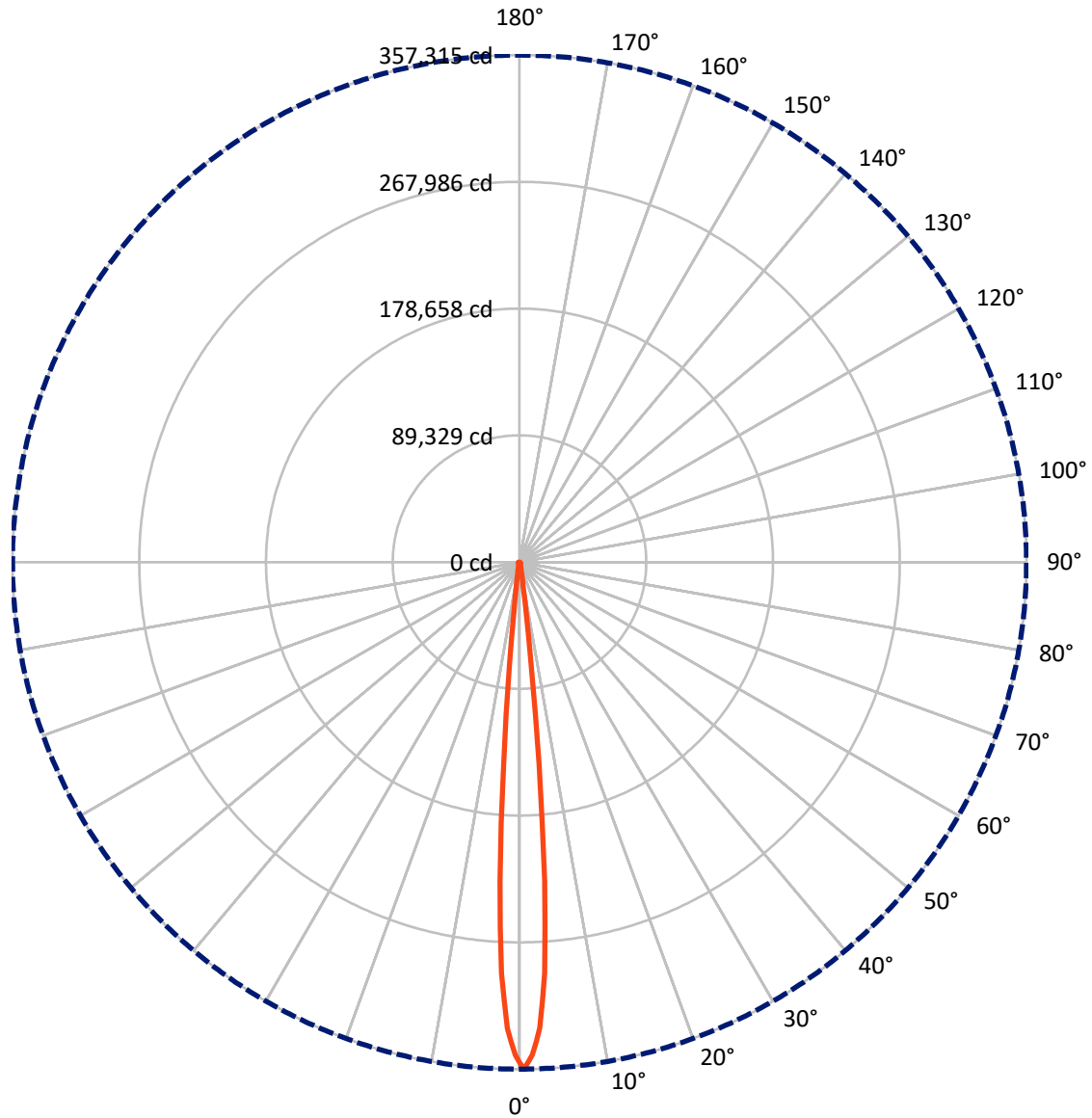
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 893.3 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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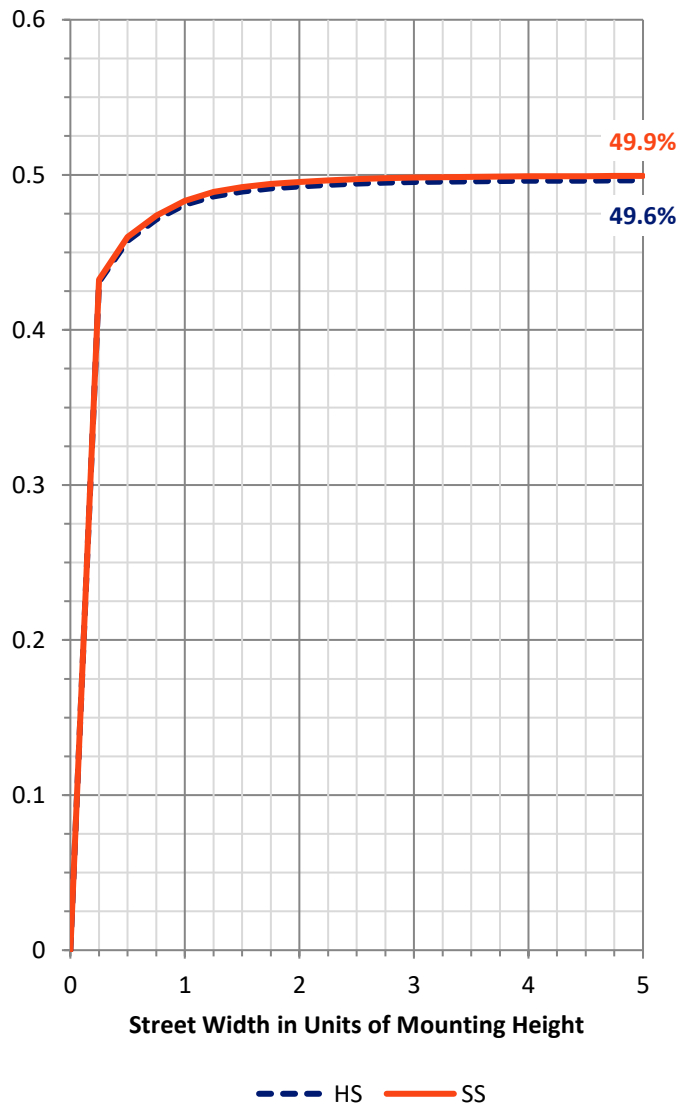
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5993.6	0.0	5993.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5993.6	0.0	5993.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	11987.1	0.0	11987.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9206.1	76.8
10°-20°	897.9	7.5
20°-30°	479.7	4.0
30°-40°	395.6	3.3
40°-50°	440.5	3.7
50°-60°	296.3	2.5
60°-70°	189.0	1.6
70°-80°	74.6	0.6
80°-90°	7.3	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°	11987.1	100.0
0°-180°	11987.1	100.0

Coefficient of Utilization

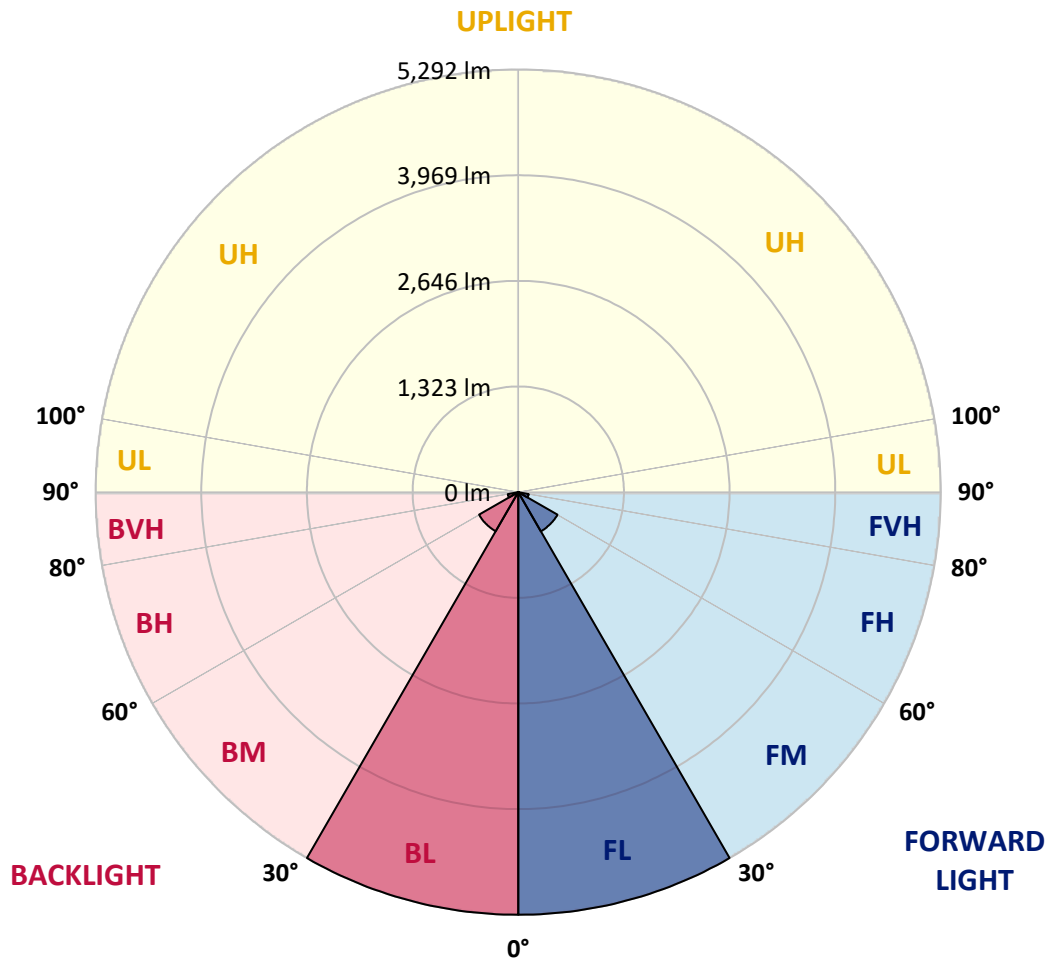


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5291.8	44.1			
FM (30°-60°)	566.2	4.7			
FH (60°-80°)	131.8	1.1			G0/660
FVH (80°-90°)	3.6	0.0			G0/10
BL (0°-30°)	5291.8	44.1	B5		
BM (30°-60°)	566.2	4.7	B1/1000		
BH (60°-80°)	131.8	1.1	B1/500		G0/660
BVH (80°-90°)	3.6	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°	357315.3	357315.3	357315.3	357315.3	357315.3	357315.3	357315.3	357315.3	357315.3	357315.3
1°	347384.5	347988.7	348097.7	347378.3	345544.1	345977.0	345920.9	346017.5	345836.8	344690.9
2°	328575.5	329469.3	328528.8	326510.9	322331.8	321335.3	318006.3	314291.3	310336.4	306372.2
3°	290182.1	292063.0	290720.8	292875.8	284399.2	283542.9	276542.4	267312.3	257957.6	250378.0
4°	224988.9	228464.2	228925.1	236037.6	229074.6	231251.3	223254.3	210430.6	196435.9	185729.7
5°	143412.6	148258.1	150992.2	157662.6	160870.1	169222.0	165326.3	152455.8	136284.4	123968.3
6°	72461.4	75099.1	82445.2	89778.8	97968.8	109051.8	110552.8	99255.0	86384.5	74563.4
7°	33778.4	34868.3	40050.1	41613.4	50977.4	63000.9	64682.5	58488.6	51699.9	42538.3
8°	17454.4	17877.9	19771.3	20932.8	26394.9	33311.3	34491.5	30592.7	27814.9	23206.1
9°	10749.8	10936.6	11646.6	11908.2	13951.1	17027.8	17445.1	15813.3	15059.7	13468.4
10°	7455.1	7554.7	7888.0	7956.5	8638.4	9650.5	9687.9	9152.3	9164.7	8766.1
12.5°	3973.6	4004.7	4098.1	4107.5	4238.3	4344.1	4319.2	4322.3	4375.3	4322.3
15°	2541.1	2556.7	2612.7	2625.2	2693.7	2731.0	2712.4	2709.2	2727.9	2693.7
17.5°	1812.4	1821.7	1862.2	1896.5	1940.1	1952.5	1946.3	1940.1	1940.1	1908.9
20°	1413.8	1426.2	1454.3	1488.5	1510.3	1532.1	1535.2	1532.1	1522.8	1507.2
22.5°	1202.0	1208.3	1217.6	1233.2	1248.7	1258.1	1264.3	1267.4	1264.3	1258.1
25°	1046.3	1052.6	1071.2	1080.6	1080.6	1083.7	1096.2	1102.4	1105.5	1093.0
27.5°	772.3	787.9	815.9	831.5	831.5	837.7	847.0	859.5	871.9	850.1
30°	597.9	610.4	641.5	641.5	638.4	644.6	654.0	672.6	691.3	666.4
32.5°	538.7	538.7	545.0	548.1	548.1	557.4	563.6	579.2	594.8	588.6
35°	563.6	548.1	529.4	529.4	535.6	554.3	557.4	573.0	588.6	610.4
37.5°	819.0	772.3	703.8	691.3	691.3	713.1	703.8	713.1	741.2	822.1
40°	744.3	706.9	666.4	610.4	610.4	641.5	619.7	632.2	697.6	747.4
42.5°	663.3	663.3	619.7	566.8	566.8	582.3	576.1	582.3	657.1	697.6
45°	613.5	613.5	601.0	516.9	529.4	538.7	538.7	538.7	638.4	650.8
47.5°	585.4	585.4	554.3	476.5	492.0	495.1	501.4	495.1	573.0	616.6
50°	523.2	529.4	476.5	420.4	439.1	439.1	448.4	436.0	495.1	566.8
52.5°	451.5	457.8	376.8	333.2	355.0	351.9	364.3	345.7	392.4	492.0
55°	401.7	398.6	311.4	270.9	295.8	292.7	299.0	277.2	317.6	423.5
57.5°	348.8	355.0	255.4	221.1	249.1	242.9	252.2	227.3	261.6	376.8
60°	308.3	317.6	218.0	186.8	214.9	208.6	218.0	190.0	224.2	339.4
62.5°	295.8	295.8	193.1	158.8	186.8	180.6	186.8	158.8	199.3	311.4
65°	351.9	333.2	174.4	130.8	158.8	152.6	158.8	130.8	174.4	299.0
67.5°	467.1	445.3	165.0	102.8	127.7	118.3	127.7	105.9	152.6	280.3
70°	242.9	258.5	165.0	81.0	96.5	96.5	93.4	81.0	127.7	205.5
72.5°	140.1	143.2	127.7	62.3	74.7	81.0	71.6	62.3	93.4	152.6
75°	77.9	87.2	81.0	46.7	56.1	62.3	52.9	46.7	65.4	109.0
77.5°	46.7	52.9	46.7	31.1	37.4	34.3	37.4	31.1	43.6	71.6
80°	24.9	24.9	24.9	18.7	18.7	21.8	21.8	18.7	24.9	37.4
82.5°	9.3	9.3	9.3	6.2	9.3	9.3	9.3	12.5	12.5	15.6
85°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
87.5°	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
357315.3
345821.3
308654.8
253252.2
188211.7
125547.1
75447.8
43646.9
23832.0
13814.0
8949.9
4381.5
2718.6
1918.3
1510.3
1261.2
1093.0
847.0
660.2
588.6
622.8
862.6
794.1
700.7
647.7
607.2
560.5
479.6
417.3
367.5
330.1
308.3
299.0
277.2
202.4
149.5
96.5
52.9
31.1
15.6
3.1
3.1
0.0

OF REPORT)