

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: P525339

Luminaire Tested: **IFLD-L-SA7A-935-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525339
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-935-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (112) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

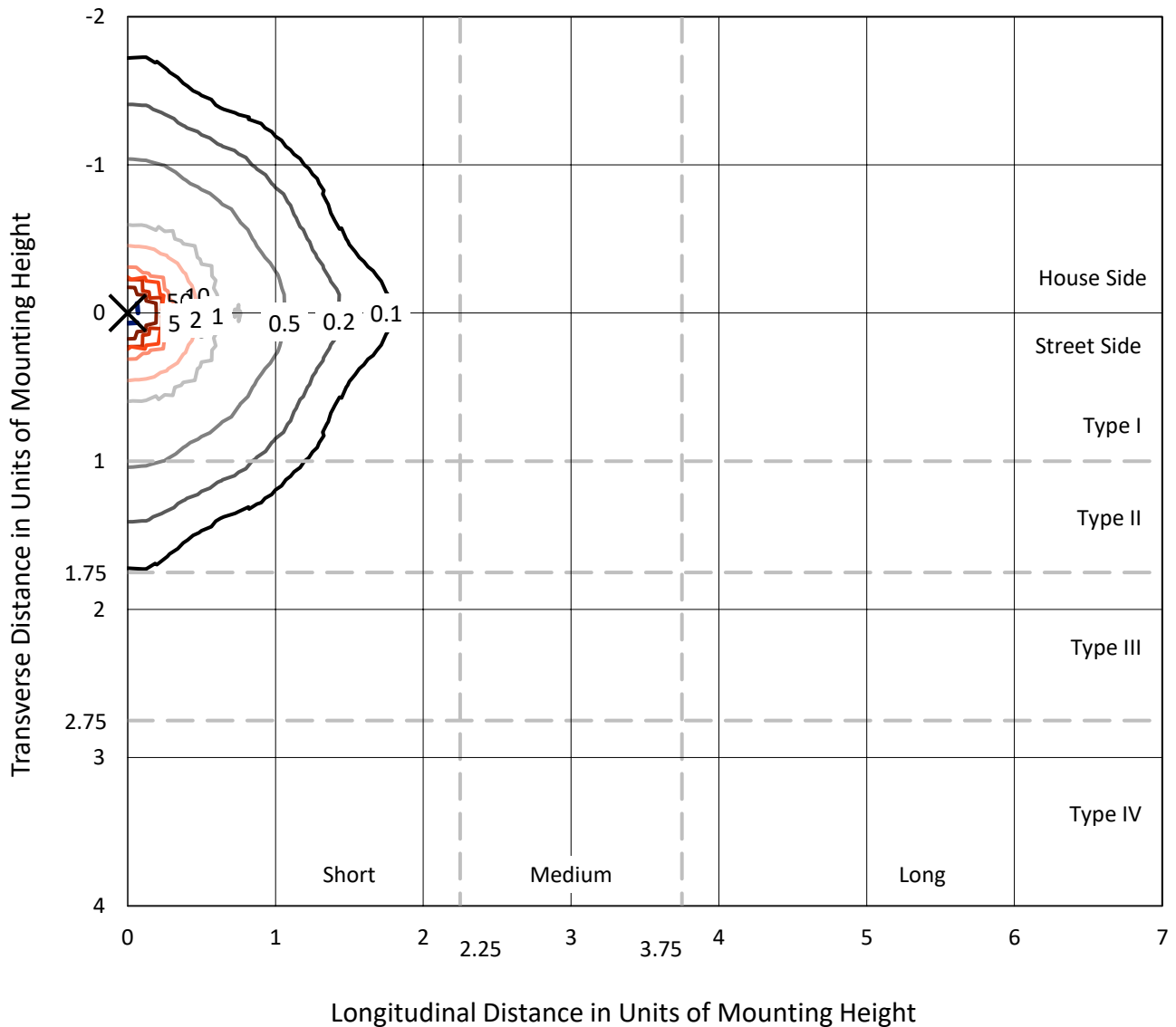
Lumens per Lamp: N/A
Luminaire Lumens: 11993.5 lumens
Efficiency: N/A
Efficacy: 55.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 217.6
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

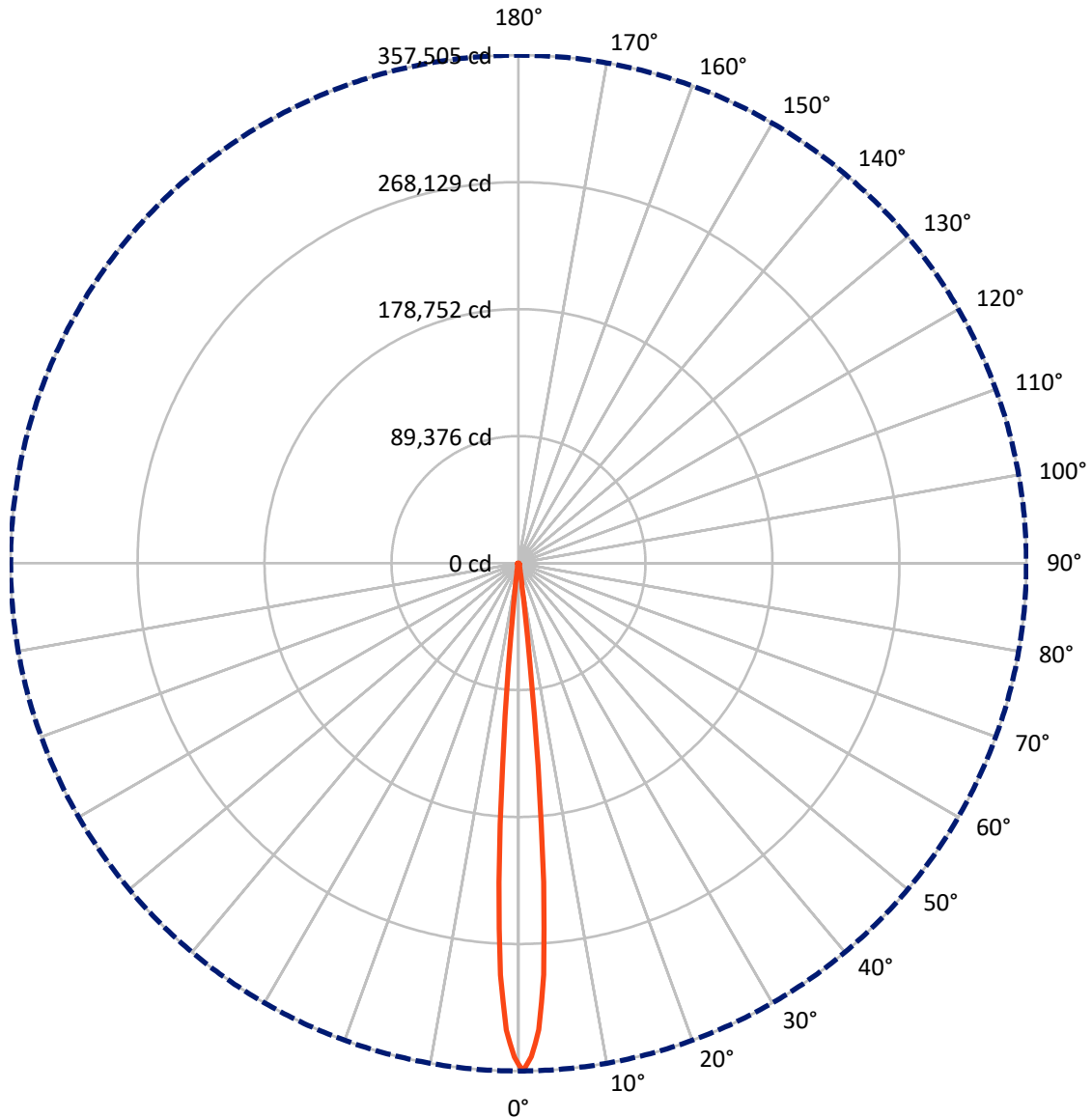
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 893.8 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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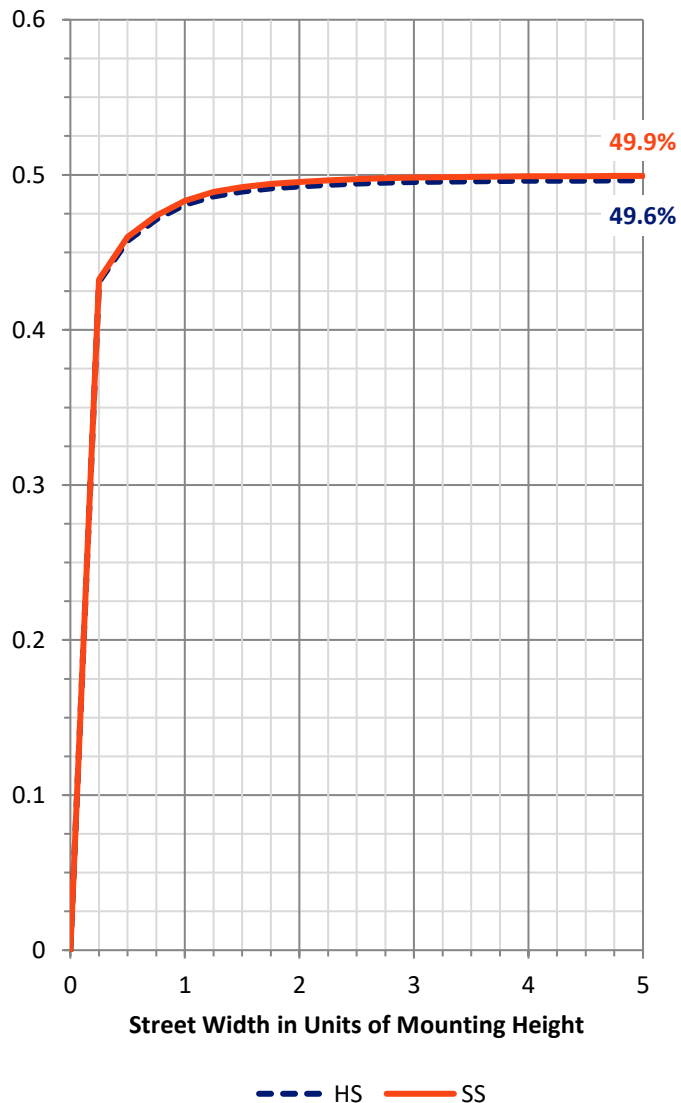
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5996.7	0.0	5996.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5996.7	0.0	5996.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	11993.5	0.0	11993.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9210.9	76.8
10°-20°	898.4	7.5
20°-30°	480.0	4.0
30°-40°	395.9	3.3
40°-50°	440.8	3.7
50°-60°	296.4	2.5
60°-70°	189.1	1.6
70°-80°	74.7	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°	11993.5	100.0
0°-180°	11993.5	100.0

Coefficient of Utilization



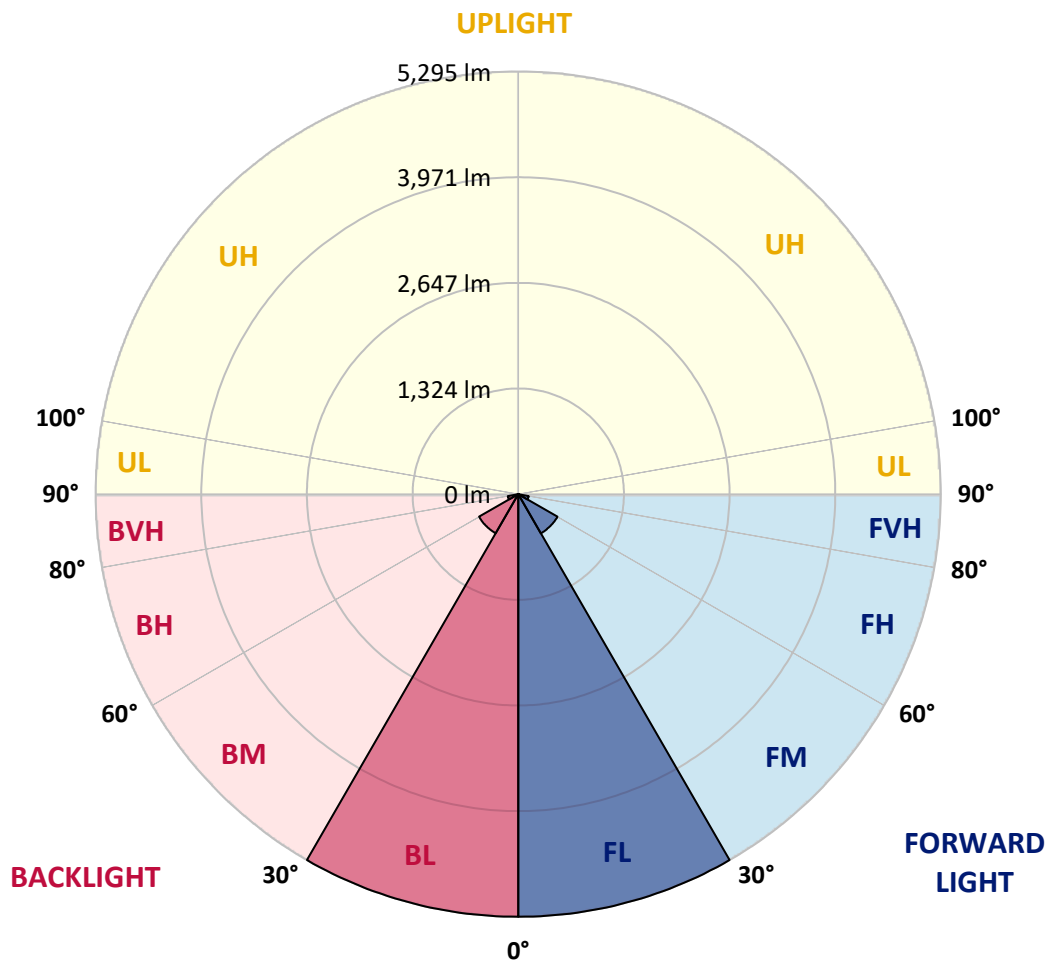
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5294.7	44.1			
FM (30°-60°)	566.5	4.7			
FH (60°-80°)	131.9	1.1			G0/660
FVH (80°-90°)	3.6	0.0			G0/10
BL (0°-30°)	5294.7	44.1	B5		
BM (30°-60°)	566.5	4.7	B1/1000		
BH (60°-80°)	131.9	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°	357504.9	357504.9	357504.9	357504.9	357504.9	357504.9	357504.9	357504.9	357504.9	357504.9
1°	347568.8	348173.3	348282.3	347562.6	345727.4	346160.5	346104.4	346201.0	346020.3	344873.7
2°	328749.8	329644.0	328703.1	326684.1	322502.8	321505.7	318175.0	314458.0	310501.0	306534.7
3°	290336.0	292217.9	290875.0	293031.1	284550.1	283693.3	276689.1	267454.1	258094.4	250510.8
4°	225108.2	228585.4	229046.5	236162.8	229196.1	231374.0	223372.8	210542.2	196540.1	185828.2
5°	143488.6	148336.7	151072.3	157746.2	160955.4	169311.8	165414.0	152536.7	136356.7	124034.0
6°	72499.9	75138.9	82488.9	89826.4	98020.8	109109.7	110611.5	99307.6	86430.3	74603.0
7°	33796.3	34886.8	40071.4	41635.5	51004.5	63034.3	64716.8	58519.6	51727.3	42560.8
8°	17463.7	17887.4	19781.8	20943.9	26408.9	33328.9	34509.8	30608.9	27829.7	23218.4
9°	10755.5	10942.4	11652.8	11914.5	13958.5	17036.8	17454.3	15821.7	15067.7	13475.5
10°	7459.1	7558.8	7892.1	7960.7	8643.0	9655.6	9693.0	9157.1	9169.6	8770.8
12.5°	3975.7	4006.8	4100.3	4109.6	4240.5	4346.4	4321.5	4324.6	4377.6	4324.6
15°	2542.4	2558.0	2614.1	2626.6	2695.1	2732.5	2713.8	2710.7	2729.4	2695.1
17.5°	1813.4	1822.7	1863.2	1897.5	1941.1	1953.6	1947.3	1941.1	1941.1	1909.9
20°	1414.5	1427.0	1455.0	1489.3	1511.1	1532.9	1536.1	1532.9	1523.6	1508.0
22.5°	1202.7	1208.9	1218.2	1233.8	1249.4	1258.8	1265.0	1268.1	1265.0	1258.8
25°	1046.9	1053.1	1071.8	1081.2	1081.2	1084.3	1096.7	1103.0	1106.1	1093.6
27.5°	772.7	788.3	816.3	831.9	831.9	838.1	847.5	859.9	872.4	850.6
30°	598.2	610.7	641.8	641.8	638.7	645.0	654.3	673.0	691.7	666.8
32.5°	539.0	539.0	545.3	548.4	548.4	557.7	563.9	579.5	595.1	588.9
35°	563.9	548.4	529.7	529.7	535.9	554.6	557.7	573.3	588.9	610.7
37.5°	819.4	772.7	704.2	691.7	691.7	713.5	704.2	713.5	741.5	822.6
40°	744.7	707.3	666.8	610.7	610.7	641.8	620.0	632.5	697.9	747.8
42.5°	663.7	663.7	620.0	567.1	567.1	582.6	576.4	582.6	657.4	697.9
45°	613.8	613.8	601.3	517.2	529.7	539.0	539.0	539.0	638.7	651.2
47.5°	585.8	585.8	554.6	476.7	492.3	495.4	501.6	495.4	573.3	616.9
50°	523.4	529.7	476.7	420.6	439.3	439.3	448.7	436.2	495.4	567.1
52.5°	451.8	458.0	377.0	333.4	355.2	352.1	364.5	345.8	392.6	492.3
55°	401.9	398.8	311.6	271.1	296.0	292.9	299.1	277.3	317.8	423.7
57.5°	349.0	355.2	255.5	221.2	249.3	243.0	252.4	227.4	261.7	377.0
60°	308.5	317.8	218.1	186.9	215.0	208.8	218.1	190.1	224.3	339.6
62.5°	296.0	296.0	193.2	158.9	186.9	180.7	186.9	158.9	199.4	311.6
65°	352.1	333.4	174.5	130.9	158.9	152.7	158.9	130.9	174.5	299.1
67.5°	467.4	445.5	165.1	102.8	127.7	118.4	127.7	105.9	152.7	280.4
70°	243.0	258.6	165.1	81.0	96.6	96.6	93.5	81.0	127.7	205.6
72.5°	140.2	143.3	127.7	62.3	74.8	81.0	71.7	62.3	93.5	152.7
75°	77.9	87.2	81.0	46.7	56.1	62.3	53.0	46.7	65.4	109.1
77.5°	46.7	53.0	46.7	31.2	37.4	34.3	37.4	31.2	43.6	71.7
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°
357504.9
346004.7
308818.5
253386.6
188311.5
125613.7
75487.9
43670.0
23844.7
13821.4
8954.6
4383.8
2720.0
1919.3
1511.1
1261.9
1093.6
847.5
660.5
588.9
623.1
863.1
794.5
701.0
648.1
607.6
560.8
479.8
417.5
367.7
330.3
308.5
299.1
277.3
202.5
149.6
96.6
53.0
31.2
15.6
3.1
3.1
0.0

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