

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: P525343

Luminaire Tested: **IFLD-L-SA7E-935-U-11**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525343
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7E-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

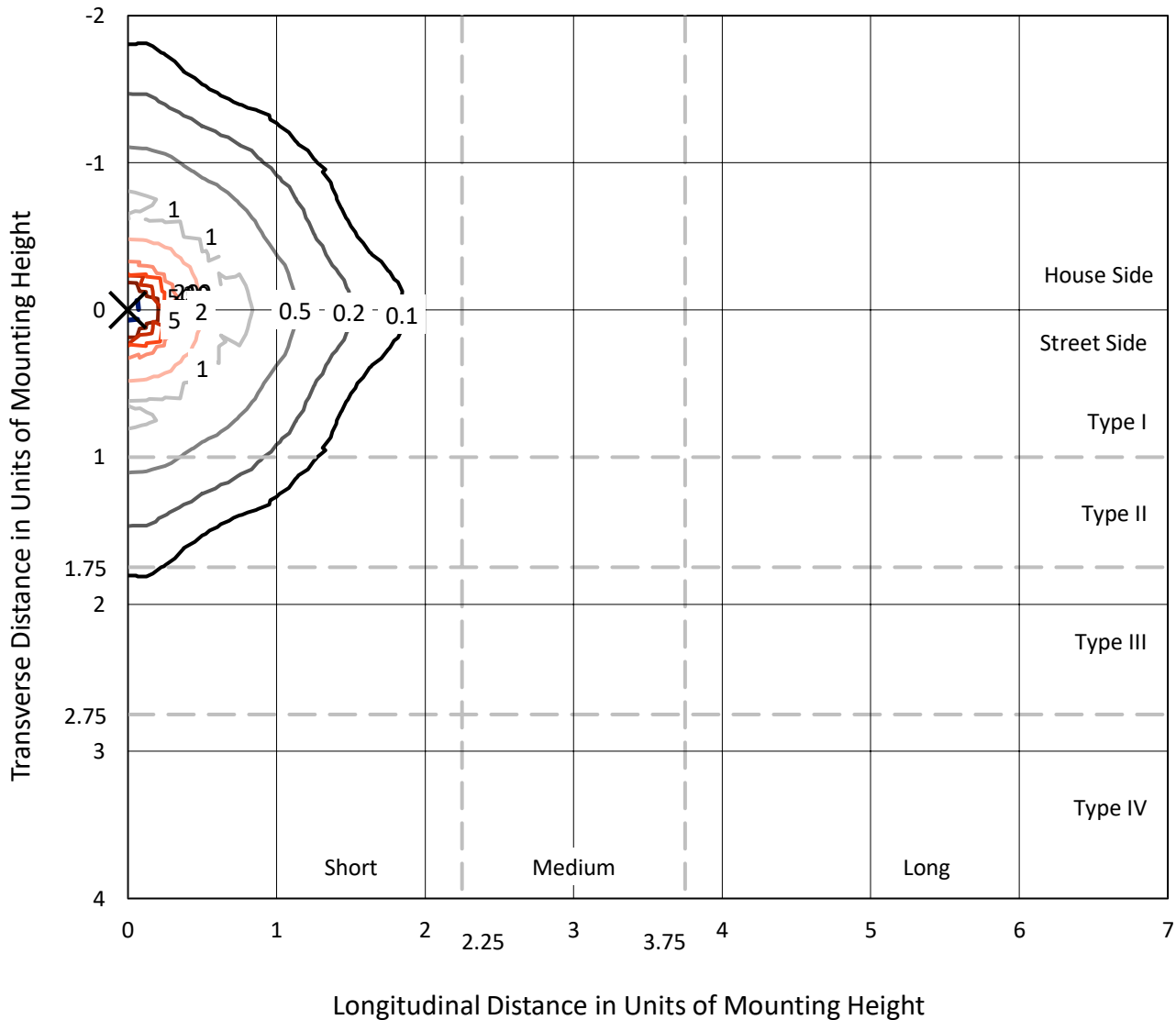
Lumens per Lamp: N/A
Luminaire Lumens: 21630.6 lumens
Efficiency: N/A
Efficacy: 40.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 532.7
Input Voltage (V): 120
Input Current (A_{in}): 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

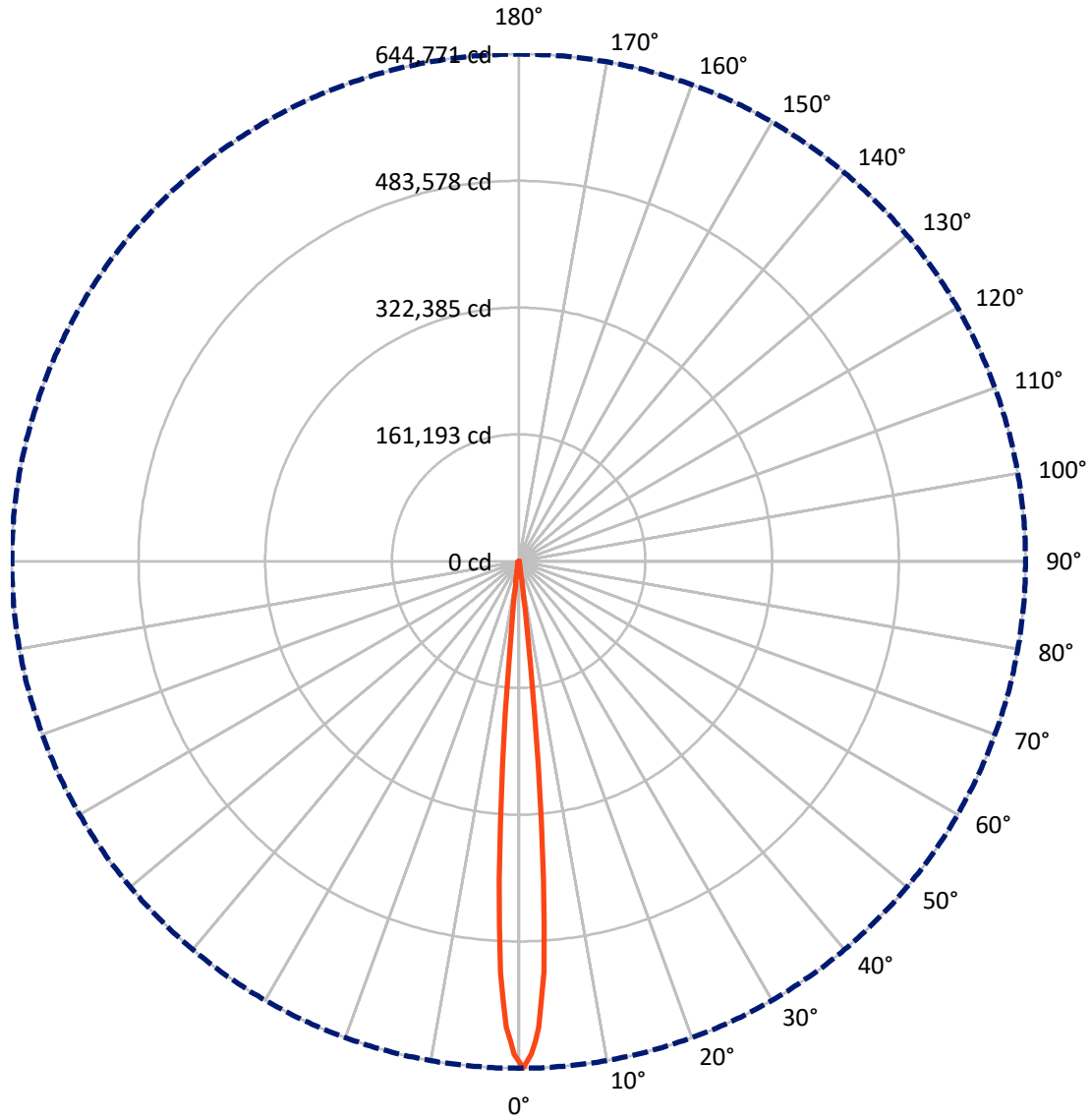
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1031.6 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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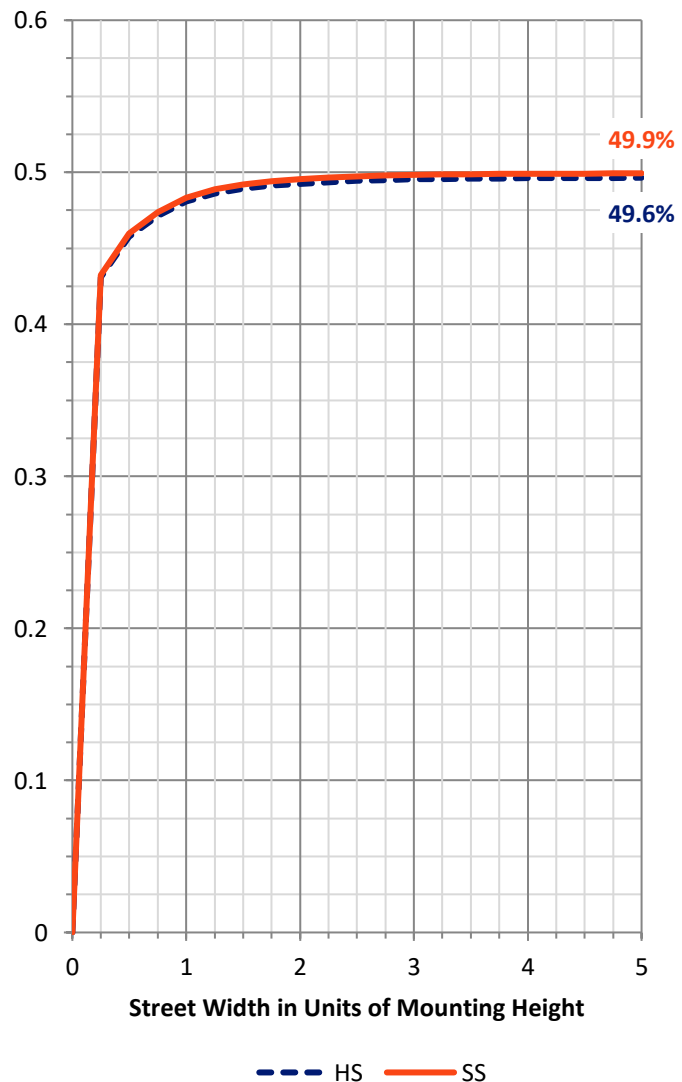
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10815.3	0.0	10815.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10815.3	0.0	10815.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	21630.6	0.0	21630.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16612.2	76.8
10°-20°	1620.3	7.5
20°-30°	865.6	4.0
30°-40°	713.9	3.3
40°-50°	794.9	3.7
50°-60°	534.6	2.5
60°-70°	341.1	1.6
70°-80°	134.7	0.6
80°-90°	13.2	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°	21630.6	100.0
0°-180°	21630.6	100.0

Coefficient of Utilization

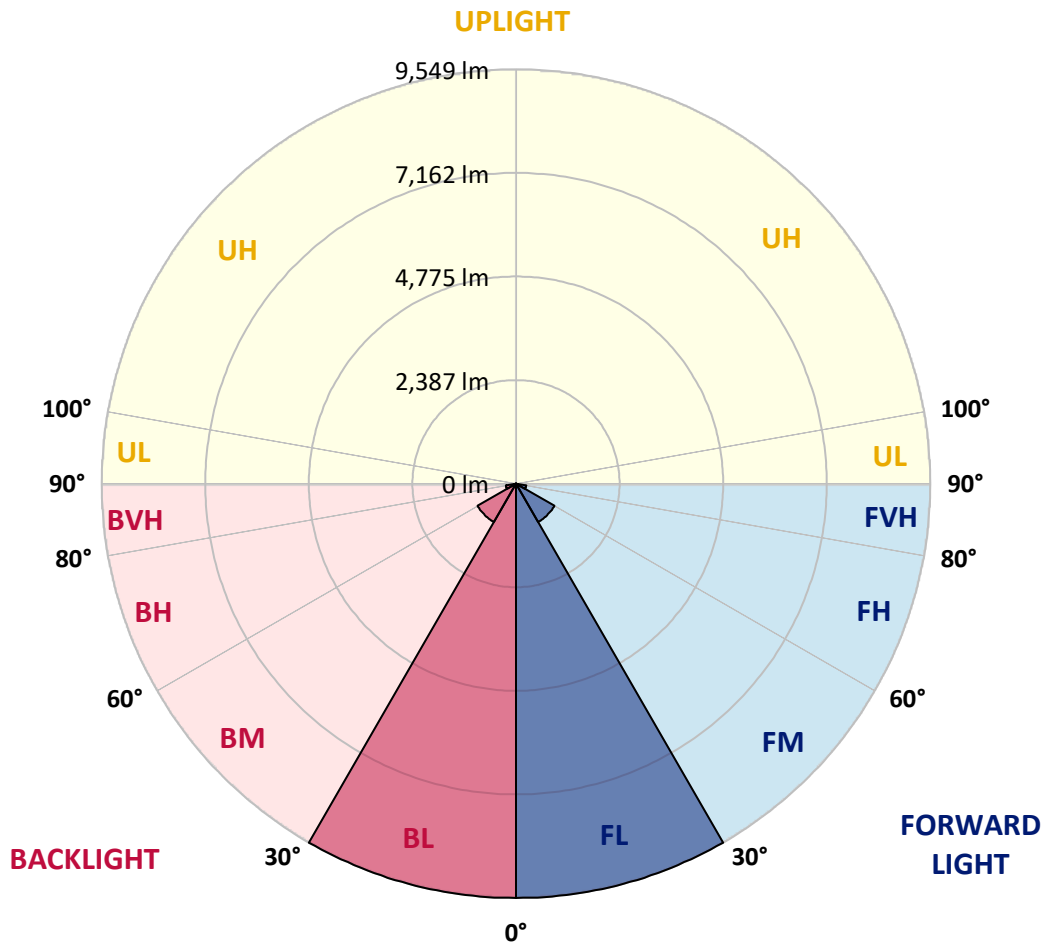


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9549.1	44.1			
FM (30°-60°)	1021.7	4.7			
FH (60°-80°)	237.9	1.1			G0/660
FVH (80°-90°)	6.6	0.0			G0/10
BL (0°-30°)	9549.1	44.1	B5		
BM (30°-60°)	1021.7	4.7	B2/2500		
BH (60°-80°)	237.9	1.1	B1/500		G0/660
BVH (80°-90°)	6.6	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°	644770.8	644770.8	644770.8	644770.8	644770.8	644770.8	644770.8	644770.8	644770.8	644770.8
1°	626850.8	627941.0	628137.7	626839.6	623529.8	624310.9	624209.8	624384.0	624058.0	621990.1
2°	592910.2	594523.0	592825.9	589184.6	581643.5	579845.3	573838.3	567134.4	559997.9	552844.5
3°	523629.7	527023.8	524601.9	528490.4	513194.7	511649.4	499017.2	482361.5	465481.1	451803.7
4°	405989.5	412260.6	413092.3	425926.8	413362.0	417289.9	402859.5	379719.2	354466.1	335146.9
5°	258786.1	267529.7	272463.5	284500.0	290287.9	305358.9	298329.1	275104.5	245923.5	223699.1
6°	130755.7	135515.3	148771.2	162004.7	176783.5	196782.6	199491.1	179104.3	155879.6	134548.7
7°	60952.7	62919.4	72269.9	75090.8	91988.1	113684.3	116718.7	105541.9	93291.8	76759.8
8°	31496.2	32260.5	35677.0	37773.0	47629.3	60109.8	62239.5	55204.1	50191.7	41875.1
9°	19397.9	19735.0	21016.2	21488.2	25174.5	30726.4	31479.4	28534.9	27175.0	24303.5
10°	13452.6	13632.4	14233.7	14357.3	15588.0	17414.2	17481.7	16515.2	16537.6	15818.4
12.5°	7170.2	7226.4	7395.0	7411.9	7647.9	7838.9	7794.0	7799.6	7895.1	7799.6
15°	4585.4	4613.5	4714.6	4737.1	4860.7	4928.1	4894.4	4888.8	4922.5	4860.7
17.5°	3270.4	3287.3	3360.3	3422.2	3500.8	3523.3	3512.1	3500.8	3500.8	3444.6
20°	2551.2	2573.6	2624.2	2686.0	2725.4	2764.7	2770.3	2764.7	2747.8	2719.7
22.5°	2169.1	2180.3	2197.2	2225.2	2253.3	2270.2	2281.4	2287.1	2281.4	2270.2
25°	1888.1	1899.3	1933.0	1949.9	1949.9	1955.5	1978.0	1989.2	1994.9	1972.4
27.5°	1393.6	1421.7	1472.3	1500.4	1500.4	1511.6	1528.5	1550.9	1573.4	1534.1
30°	1078.9	1101.4	1157.6	1157.6	1152.0	1163.2	1180.1	1213.8	1247.5	1202.5
32.5°	972.1	972.1	983.4	989.0	989.0	1005.9	1017.1	1045.2	1073.3	1062.0
35°	1017.1	989.0	955.3	955.3	966.5	1000.2	1005.9	1034.0	1062.0	1101.4
37.5°	1477.9	1393.6	1270.0	1247.5	1247.5	1286.8	1270.0	1286.8	1337.4	1483.5
40°	1343.0	1275.6	1202.5	1101.4	1101.4	1157.6	1118.2	1140.7	1258.7	1348.6
42.5°	1196.9	1196.9	1118.2	1022.7	1022.7	1050.8	1039.6	1050.8	1185.7	1258.7
45°	1107.0	1107.0	1084.5	932.8	955.3	972.1	972.1	972.1	1152.0	1174.4
47.5°	1056.4	1056.4	1000.2	859.8	887.9	893.5	904.7	893.5	1034.0	1112.6
50°	944.0	955.3	859.8	758.6	792.3	792.3	809.2	786.7	893.5	1022.7
52.5°	814.8	826.0	679.9	601.3	640.6	635.0	657.5	623.7	708.0	887.9
55°	724.9	719.3	561.9	488.9	533.8	528.2	539.5	500.1	573.2	764.2
57.5°	629.4	640.6	460.8	399.0	449.5	438.3	455.2	410.2	472.0	679.9
60°	556.3	573.2	393.4	337.2	387.7	376.5	393.4	342.8	404.6	612.5
62.5°	533.8	533.8	348.4	286.6	337.2	325.9	337.2	286.6	359.6	561.9
65°	635.0	601.3	314.7	236.0	286.6	275.3	286.6	236.0	314.7	539.5
67.5°	842.9	803.6	297.8	185.4	230.4	213.5	230.4	191.1	275.3	505.7
70°	438.3	466.4	297.8	146.1	174.2	174.2	168.6	146.1	230.4	370.9
72.5°	252.9	258.5	230.4	112.4	134.9	146.1	129.2	112.4	168.6	275.3
75°	140.5	157.3	146.1	84.3	101.1	112.4	95.5	84.3	118.0	196.7
77.5°	84.3	95.5	84.3	56.2	67.4	61.8	67.4	56.2	78.7	129.2
80°	45.0	45.0	45.0	33.7	33.7	39.3	39.3	33.7	45.0	67.4
82.5°	16.9	16.9	16.9	11.2	16.9	16.9	16.9	22.5	22.5	28.1
85°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
87.5°	0.0	0.0	0.0	0.0	0.0	5.6	5.6	5.6	5.6	5.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°

644770.8

- 624030.0
- 556963.5
- 456990.4
- 339625.5
- 226548.1
- 136144.6
- 78760.2
- 43004.6
- 24927.3
- 16149.9
- 7906.4
- 4905.7
- 3461.5
- 2725.4
- 2275.8
- 1972.4
- 1528.5
- 1191.3
- 1062.0
- 1123.9
- 1556.5
- 1432.9
- 1264.3
- 1168.8
- 1095.8
- 1011.5
- 865.4
- 753.0
- 663.1
- 595.6
- 556.3
- 539.5
- 500.1
- 365.3
- 269.7
- 174.2
- 95.5
- 56.2
- 28.1
- 5.6
- 5.6
- 0.0

OF REPORT)