

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: P525331

Luminaire Tested: **IFLD-S-SA6C-935-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525331
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-935-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (96) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

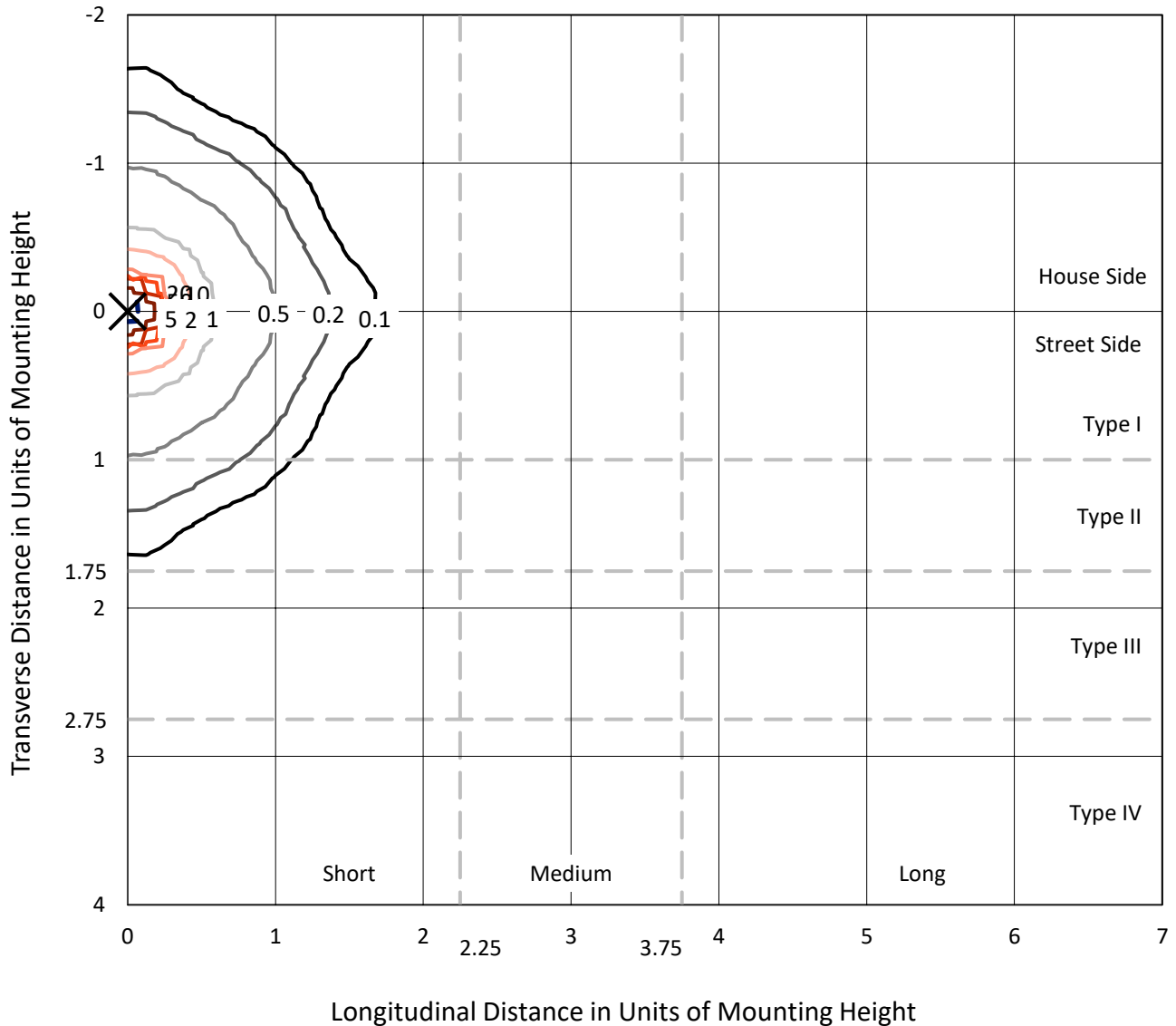
Lumens per Lamp: N/A
Luminaire Lumens: 15921.4 lumens
Efficiency: N/A
Efficacy: 49.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 321.5
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

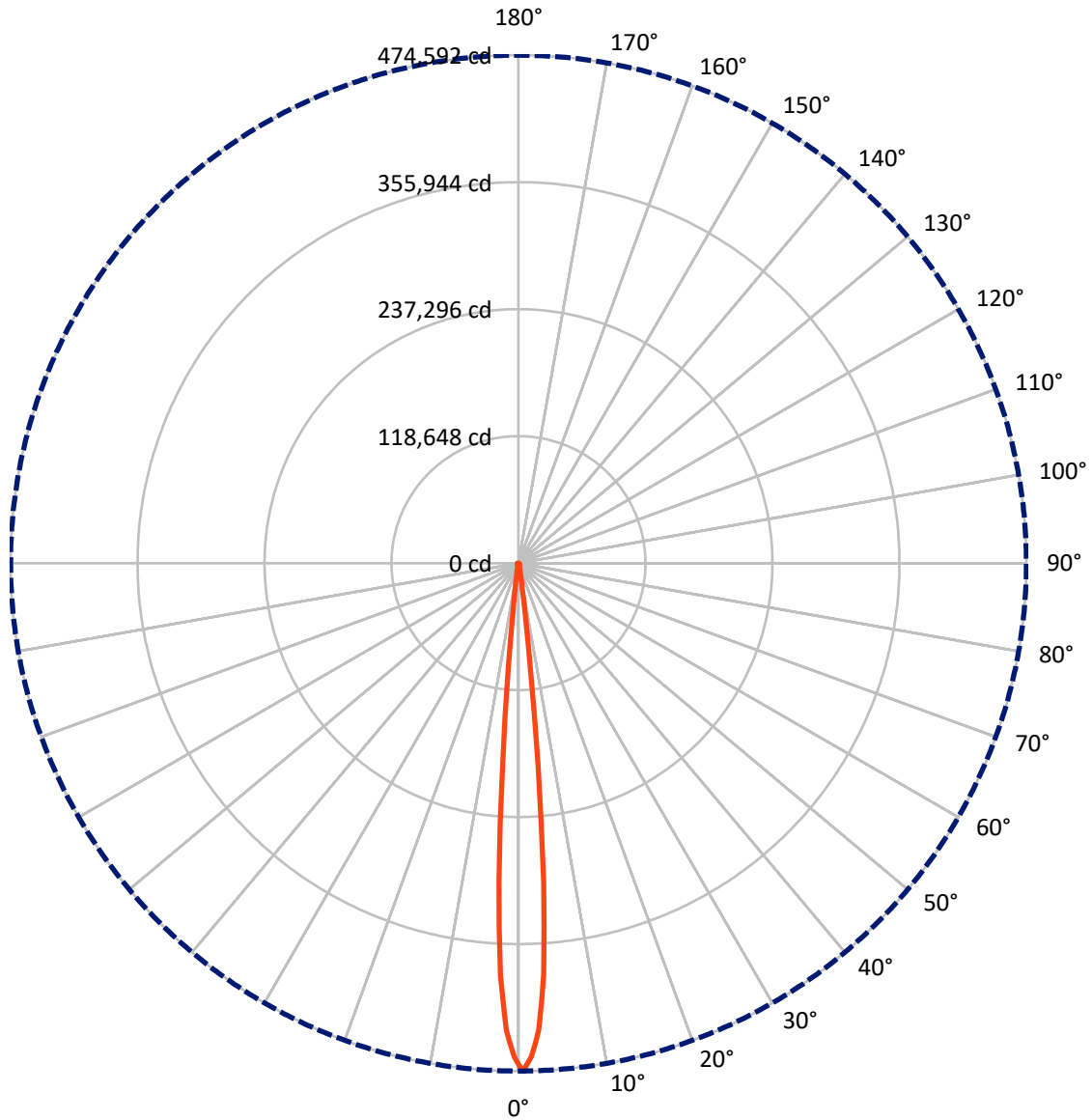
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 759.3 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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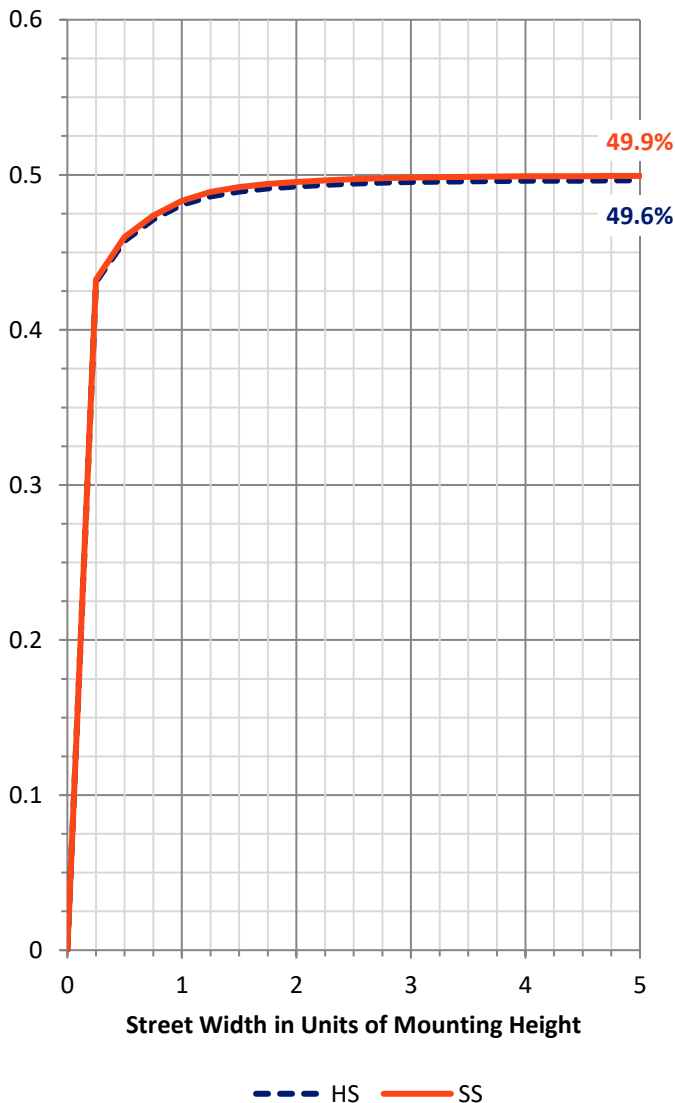
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7960.7	0.0	7960.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7960.7	0.0	7960.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	15921.4	0.0	15921.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12227.6	76.8
10°-20°	1192.6	7.5
20°-30°	637.2	4.0
30°-40°	525.5	3.3
40°-50°	585.1	3.7
50°-60°	393.5	2.5
60°-70°	251.1	1.6
70°-80°	99.1	0.6
80°-90°	9.7	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°	15921.4	100.0
0°-180°	15921.4	100.0



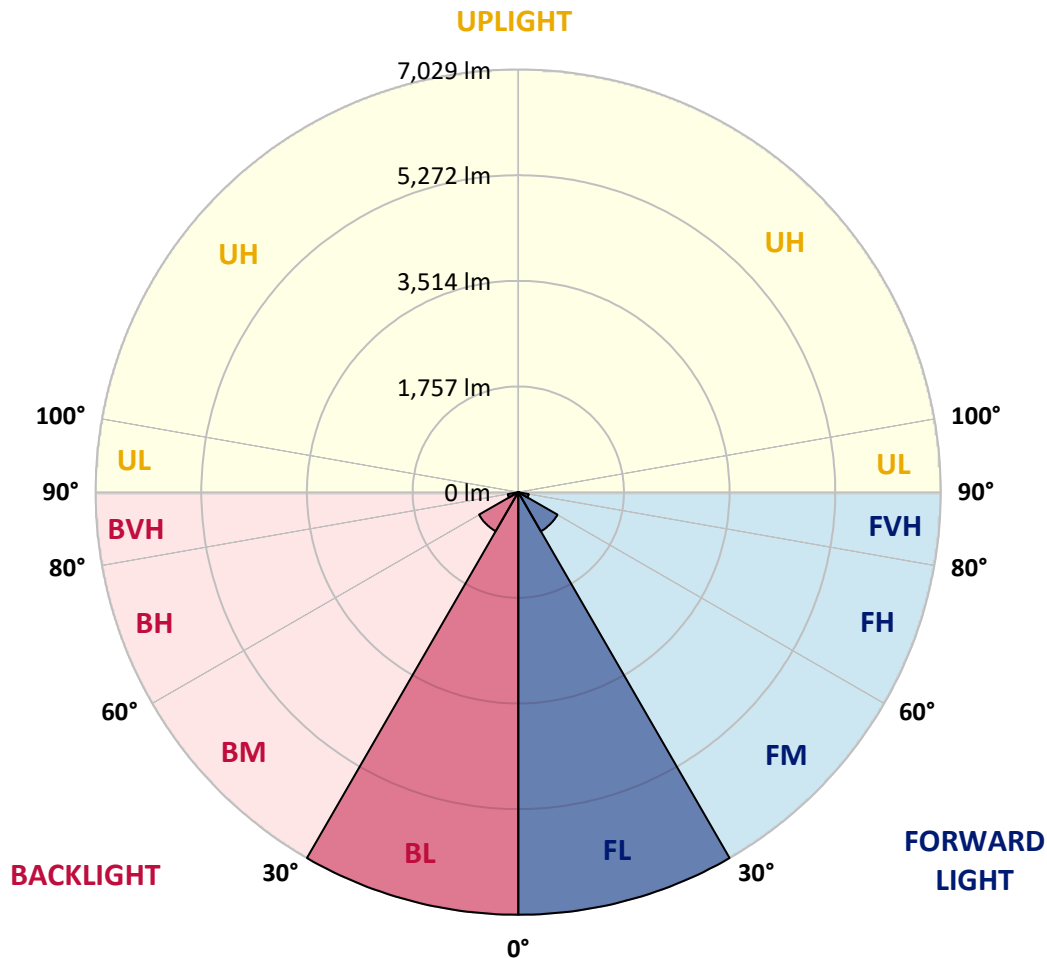
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7028.7	44.1			
FM (30°-60°)	752.1	4.7			
FH (60°-80°)	175.1	1.1			G0/660
FVH (80°-90°)	4.8	0.0			G0/10
BL (0°-30°)	7028.7	44.1	B5		
BM (30°-60°)	752.1	4.7	B1/1000		
BH (60°-80°)	175.1	1.1	B1/500		G0/660
BVH (80°-90°)	4.8	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°	474592.0	474592.0	474592.0	474592.0	474592.0	474592.0	474592.0	474592.0	474592.0	474592.0
1°	461401.8	462204.2	462348.9	461393.5	458957.3	459532.2	459457.8	459586.0	459346.1	457824.0
2°	436419.3	437606.4	436357.3	433677.0	428126.3	426802.7	422381.2	417446.7	412193.8	406928.5
3°	385424.5	387922.8	386140.1	389002.3	377743.7	376606.2	367308.1	355048.5	342623.5	332556.0
4°	298833.9	303449.8	304062.0	313509.0	304260.5	307151.7	296530.0	279497.3	260909.4	246689.2
5°	190482.9	196918.7	200550.3	209410.0	213670.2	224763.4	219589.1	202494.3	181015.2	164656.6
6°	96244.5	99747.8	109505.0	119245.7	130123.8	144844.4	146838.0	131832.0	114737.3	99036.4
7°	44865.0	46312.7	53195.2	55271.6	67709.0	83678.8	85912.3	77685.5	68668.6	56500.0
8°	23183.2	23745.7	26260.5	27803.3	35058.1	44244.6	45812.2	40633.7	36944.2	30822.7
9°	14278.0	14526.2	15469.3	15816.7	18530.0	22616.6	23170.8	21003.5	20002.5	17888.9
10°	9902.0	10034.3	10476.9	10567.9	11473.7	12818.0	12867.6	12156.2	12172.7	11643.3
12.5°	5277.7	5319.1	5443.2	5455.6	5629.3	5770.0	5736.9	5741.0	5811.3	5741.0
15°	3375.1	3395.8	3470.2	3486.8	3577.8	3627.4	3602.6	3598.5	3623.3	3577.8
17.5°	2407.2	2419.7	2473.4	2518.9	2576.8	2593.4	2585.1	2576.8	2576.8	2535.5
20°	1877.8	1894.4	1931.6	1977.1	2006.0	2035.0	2039.1	2035.0	2022.6	2001.9
22.5°	1596.6	1604.8	1617.2	1637.9	1658.6	1671.0	1679.3	1683.4	1679.3	1671.0
25°	1389.8	1398.0	1422.8	1435.2	1435.2	1439.4	1455.9	1464.2	1468.3	1451.8
27.5°	1025.8	1046.5	1083.7	1104.4	1104.4	1112.6	1125.0	1141.6	1158.1	1129.2
30°	794.1	810.7	852.1	852.1	847.9	856.2	868.6	893.4	918.2	885.1
32.5°	715.6	715.6	723.8	728.0	728.0	740.4	748.6	769.3	790.0	781.7
35°	748.6	728.0	703.1	703.1	711.4	736.2	740.4	761.1	781.7	810.7
37.5°	1087.8	1025.8	934.8	918.2	918.2	947.2	934.8	947.2	984.4	1091.9
40°	988.5	938.9	885.1	810.7	810.7	852.1	823.1	839.6	926.5	992.7
42.5°	881.0	881.0	823.1	752.8	752.8	773.5	765.2	773.5	872.7	926.5
45°	814.8	814.8	798.3	686.6	703.1	715.6	715.6	715.6	847.9	864.5
47.5°	777.6	777.6	736.2	632.8	653.5	657.7	665.9	657.7	761.1	819.0
50°	694.9	703.1	632.8	558.4	583.2	583.2	595.6	579.1	657.7	752.8
52.5°	599.7	608.0	500.5	442.6	471.5	467.4	483.9	459.1	521.2	653.5
55°	533.6	529.4	413.6	359.8	392.9	388.8	397.1	368.1	421.9	562.5
57.5°	463.3	471.5	339.2	293.7	330.9	322.6	335.0	301.9	347.4	500.5
60°	409.5	421.9	289.5	248.2	285.4	277.1	289.5	252.3	297.8	450.8
62.5°	392.9	392.9	256.4	210.9	248.2	239.9	248.2	210.9	264.7	413.6
65°	467.4	442.6	231.6	173.7	210.9	202.7	210.9	173.7	231.6	397.1
67.5°	620.4	591.5	219.2	136.5	169.6	157.2	169.6	140.6	202.7	372.3
70°	322.6	343.3	219.2	107.5	128.2	128.2	124.1	107.5	169.6	273.0
72.5°	186.1	190.3	169.6	82.7	99.3	107.5	95.1	82.7	124.1	202.7
75°	103.4	115.8	107.5	62.0	74.5	82.7	70.3	62.0	86.9	144.8
77.5°	62.0	70.3	62.0	41.4	49.6	45.5	49.6	41.4	57.9	95.1
80°	33.1	33.1	33.1	24.8	24.8	29.0	29.0	24.8	33.1	49.6
82.5°	12.4	12.4	12.4	8.3	12.4	12.4	12.4	16.5	16.5	20.7
85°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
87.5°	0.0	0.0	0.0	0.0	0.0	4.1	4.1	4.1	4.1	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
474592.0
459325.4
409960.3
336373.7
249985.8
166753.7
100211.0
57972.5
31654.1
18348.0
11887.3
5819.6
3610.9
2547.9
2006.0
1675.1
1451.8
1125.0
876.9
781.7
827.2
1145.7
1054.7
930.6
860.3
806.6
744.5
637.0
554.2
488.1
438.4
409.5
397.1
368.1
268.9
198.5
128.2
70.3
41.4
20.7
4.1
4.1
0.0

OF REPORT)