

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: P525347

Luminaire Tested: **IFLD-L-SA8D-935-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525347
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-935-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (128) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

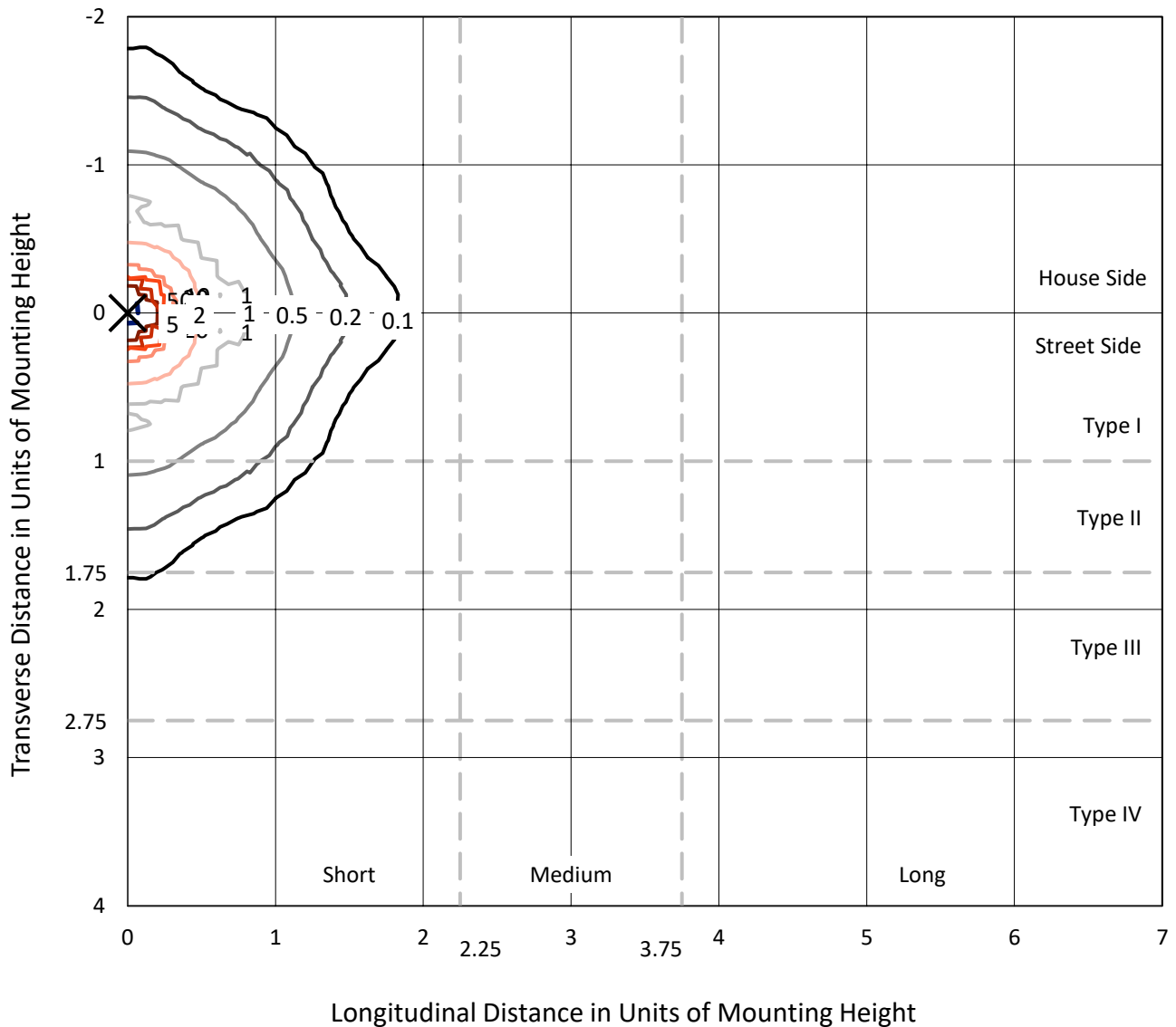
Lumens per Lamp: N/A
Luminaire Lumens: 21012.4 lumens
Efficiency: N/A
Efficacy: 43.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 488.3
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

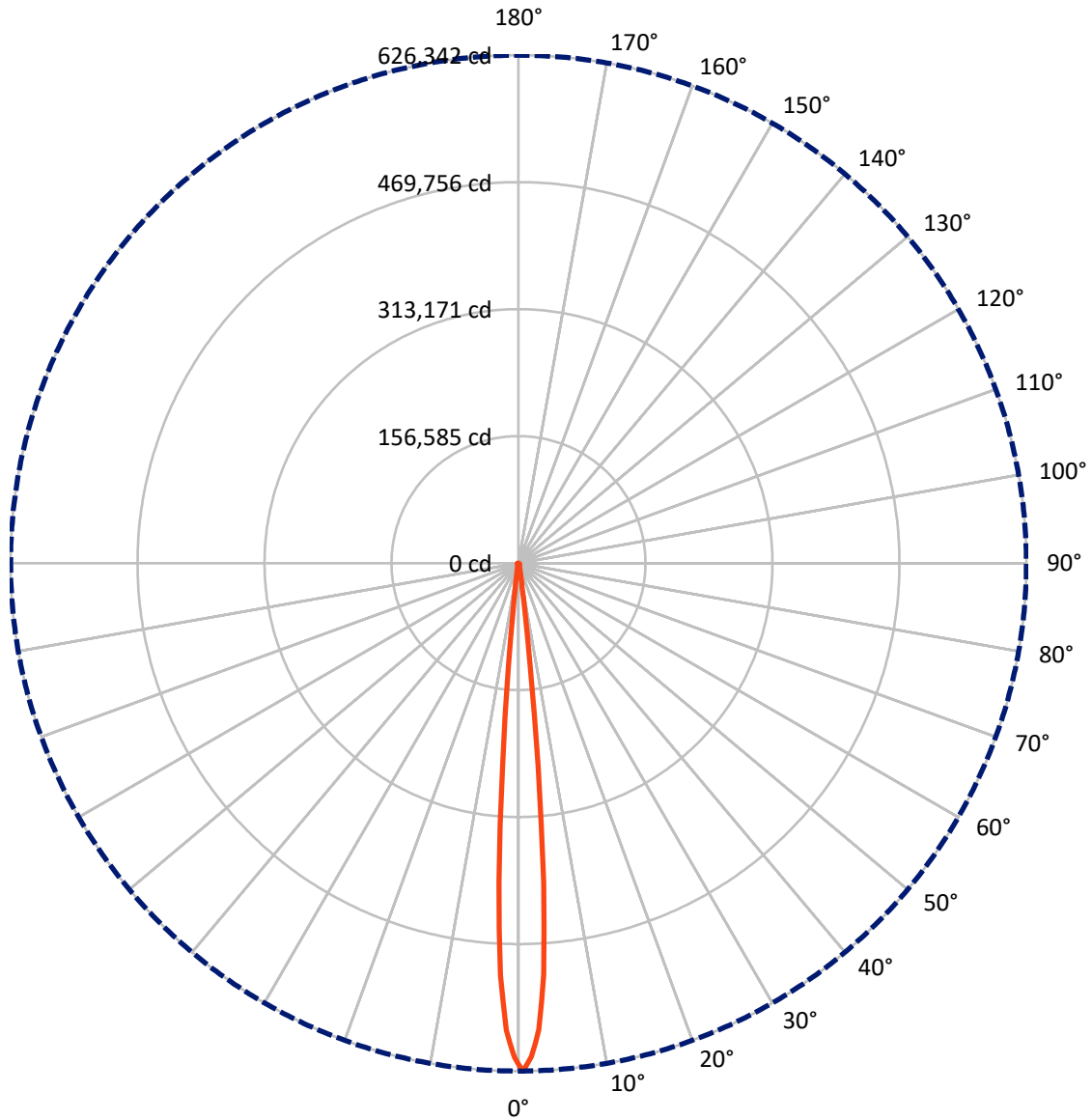
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1002.1 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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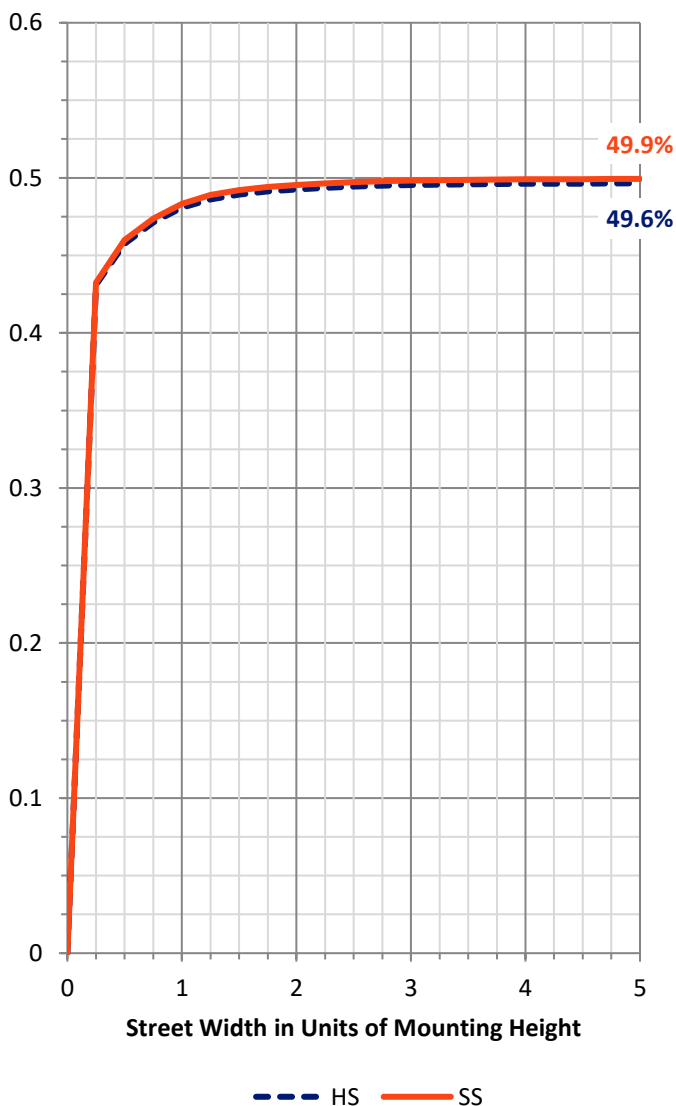
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10506.2	0.0	10506.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10506.2	0.0	10506.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	21012.4	0.0	21012.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16137.4	76.8
10°-20°	1574.0	7.5
20°-30°	840.9	4.0
30°-40°	693.5	3.3
40°-50°	772.2	3.7
50°-60°	519.3	2.5
60°-70°	331.4	1.6
70°-80°	130.8	0.6
80°-90°	12.8	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°	21012.4	100.0
0°-180°	21012.4	100.0

Coefficient of Utilization



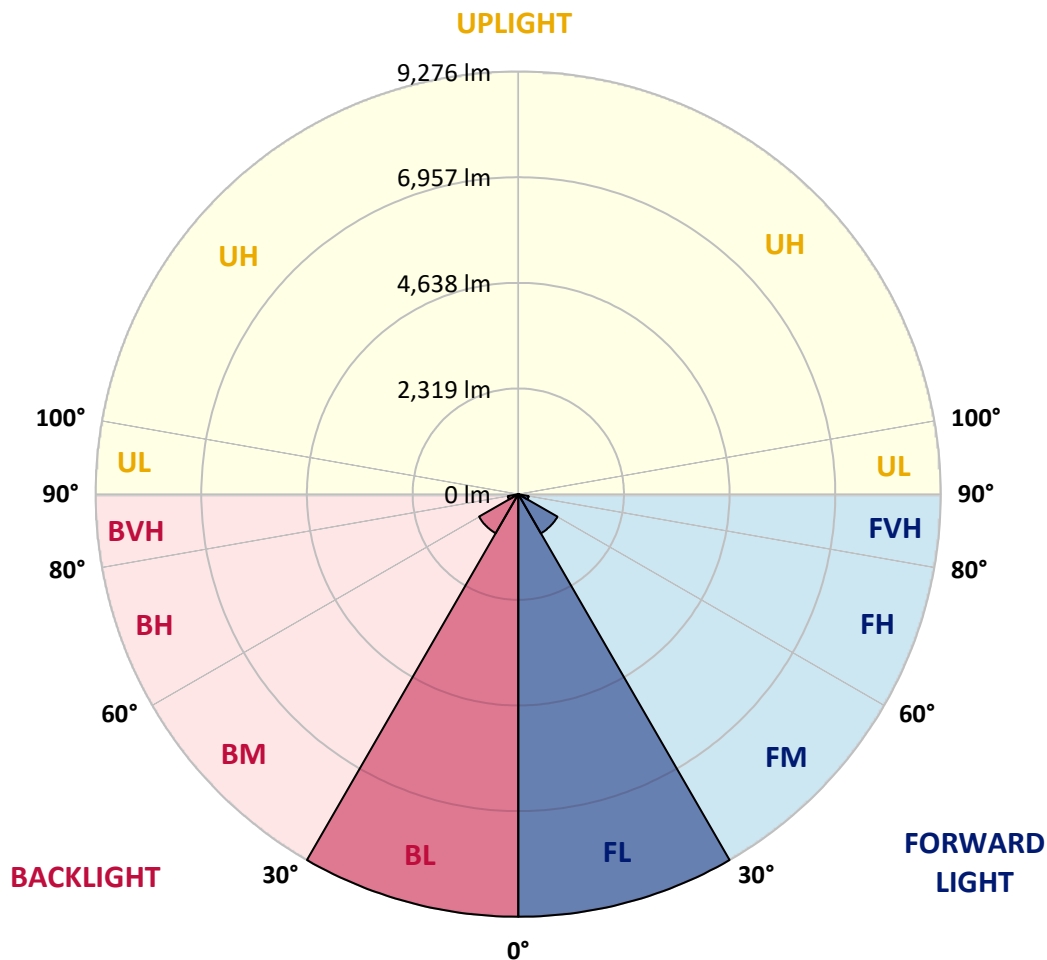
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9276.1	44.1			
FM (30°-60°)	992.5	4.7			
FH (60°-80°)	231.1	1.1			G0/660
FVH (80°-90°)	6.4	0.0			G0/10
BL (0°-30°)	9276.1	44.1	B5		
BM (30°-60°)	992.5	4.7	B1/1000		
BH (60°-80°)	231.1	1.1	B1/500		G0/660
BVH (80°-90°)	6.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	626341.5	626341.5	626341.5	626341.5	626341.5	626341.5	626341.5	626341.5	626341.5	626341.5
1°	608933.7	609992.7	610183.7	608922.8	605707.6	606466.4	606368.1	606537.3	606220.7	604211.9
2°	575963.2	577529.8	575881.3	572344.1	565018.5	563271.7	557436.4	550924.2	543991.6	537042.7
3°	508662.9	511960.0	509607.3	513384.7	498526.2	497025.0	484753.9	468574.3	452176.4	438889.9
4°	394385.2	400477.1	401285.0	413752.6	401547.0	405362.6	391344.7	368865.8	344334.4	325567.4
5°	251389.2	259883.0	264675.7	276368.2	281990.7	296630.9	289802.1	267241.3	238894.3	217305.2
6°	127018.4	131641.9	144518.9	157374.1	171730.5	191158.0	193789.1	173985.0	151424.2	130703.0
7°	59210.5	61121.0	70204.3	72944.5	89358.8	110434.8	113382.5	102525.2	90625.2	74565.8
8°	30596.0	31338.4	34657.2	36693.3	46267.9	58391.7	60460.5	53626.2	48757.1	40678.2
9°	18843.4	19170.9	20415.5	20874.0	24454.9	29848.1	30579.6	27719.2	26398.2	23608.9
10°	13068.1	13242.8	13826.9	13947.0	15142.4	16916.5	16982.0	16043.1	16064.9	15366.2
12.5°	6965.3	7019.9	7183.6	7200.0	7429.3	7614.9	7571.2	7576.7	7669.5	7576.7
15°	4454.3	4481.6	4579.8	4601.7	4721.8	4787.3	4754.5	4749.1	4781.8	4721.8
17.5°	3177.0	3193.3	3264.3	3324.3	3400.8	3422.6	3411.7	3400.8	3400.8	3346.2
20°	2478.2	2500.1	2549.2	2609.3	2647.5	2685.7	2691.1	2685.7	2669.3	2642.0
22.5°	2107.1	2118.0	2134.3	2161.6	2188.9	2205.3	2216.2	2221.7	2216.2	2205.3
25°	1834.1	1845.0	1877.8	1894.2	1894.2	1899.6	1921.5	1932.4	1937.8	1916.0
27.5°	1353.8	1381.0	1430.2	1457.5	1457.5	1468.4	1484.8	1506.6	1528.4	1490.2
30°	1048.1	1069.9	1124.5	1124.5	1119.0	1129.9	1146.3	1179.1	1211.8	1168.2
32.5°	944.4	944.4	955.3	960.7	960.7	977.1	988.0	1015.3	1042.6	1031.7
35°	988.0	960.7	928.0	928.0	938.9	971.6	977.1	1004.4	1031.7	1069.9
37.5°	1435.6	1353.8	1233.7	1211.8	1211.8	1250.0	1233.7	1250.0	1299.2	1441.1
40°	1304.6	1239.1	1168.2	1069.9	1069.9	1124.5	1086.3	1108.1	1222.7	1310.1
42.5°	1162.7	1162.7	1086.3	993.5	993.5	1020.8	1009.9	1020.8	1151.8	1222.7
45°	1075.4	1075.4	1053.5	906.1	928.0	944.4	944.4	944.4	1119.0	1140.9
47.5°	1026.2	1026.2	971.6	835.2	862.5	867.9	878.8	867.9	1004.4	1080.8
50°	917.1	928.0	835.2	736.9	769.7	769.7	786.1	764.2	867.9	993.5
52.5°	791.5	802.4	660.5	584.1	622.3	616.8	638.7	605.9	687.8	862.5
55°	704.2	698.7	545.9	474.9	518.6	513.1	524.0	485.8	556.8	742.4
57.5°	611.4	622.3	447.6	387.6	436.7	425.8	442.2	398.5	458.5	660.5
60°	540.4	556.8	382.1	327.5	376.6	365.7	382.1	333.0	393.0	595.0
62.5°	518.6	518.6	338.4	278.4	327.5	316.6	327.5	278.4	349.4	545.9
65°	616.8	584.1	305.7	229.3	278.4	267.5	278.4	229.3	305.7	524.0
67.5°	818.8	780.6	289.3	180.1	223.8	207.4	223.8	185.6	267.5	491.3
70°	425.8	453.1	289.3	141.9	169.2	169.2	163.8	141.9	223.8	360.3
72.5°	245.6	251.1	223.8	109.2	131.0	141.9	125.5	109.2	163.8	267.5
75°	136.5	152.8	141.9	81.9	98.3	109.2	92.8	81.9	114.6	191.1
77.5°	81.9	92.8	81.9	54.6	65.5	60.0	65.5	54.6	76.4	125.5
80°	43.7	43.7	43.7	32.8	32.8	38.2	38.2	32.8	43.7	65.5
82.5°	16.4	16.4	16.4	10.9	16.4	16.4	16.4	21.8	21.8	27.3
85°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
87.5°	0.0	0.0	0.0	0.0	0.0	5.5	5.5	5.5	5.5	5.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
626341.5
606193.4
541043.9
443928.3
329918.0
220072.7
132253.2
76509.1
41775.4
24214.8
15688.3
7680.4
4765.4
3362.6
2647.5
2210.8
1916.0
1484.8
1157.2
1031.7
1091.7
1512.1
1392.0
1228.2
1135.4
1064.4
982.6
840.6
731.5
644.1
578.6
540.4
524.0
485.8
354.8
262.0
169.2
92.8
54.6
27.3
5.5
5.5
0.0

OF REPORT)