

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: P525312

Luminaire Tested: **IFLD-S-SA2D-935-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525312
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-935-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (32) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

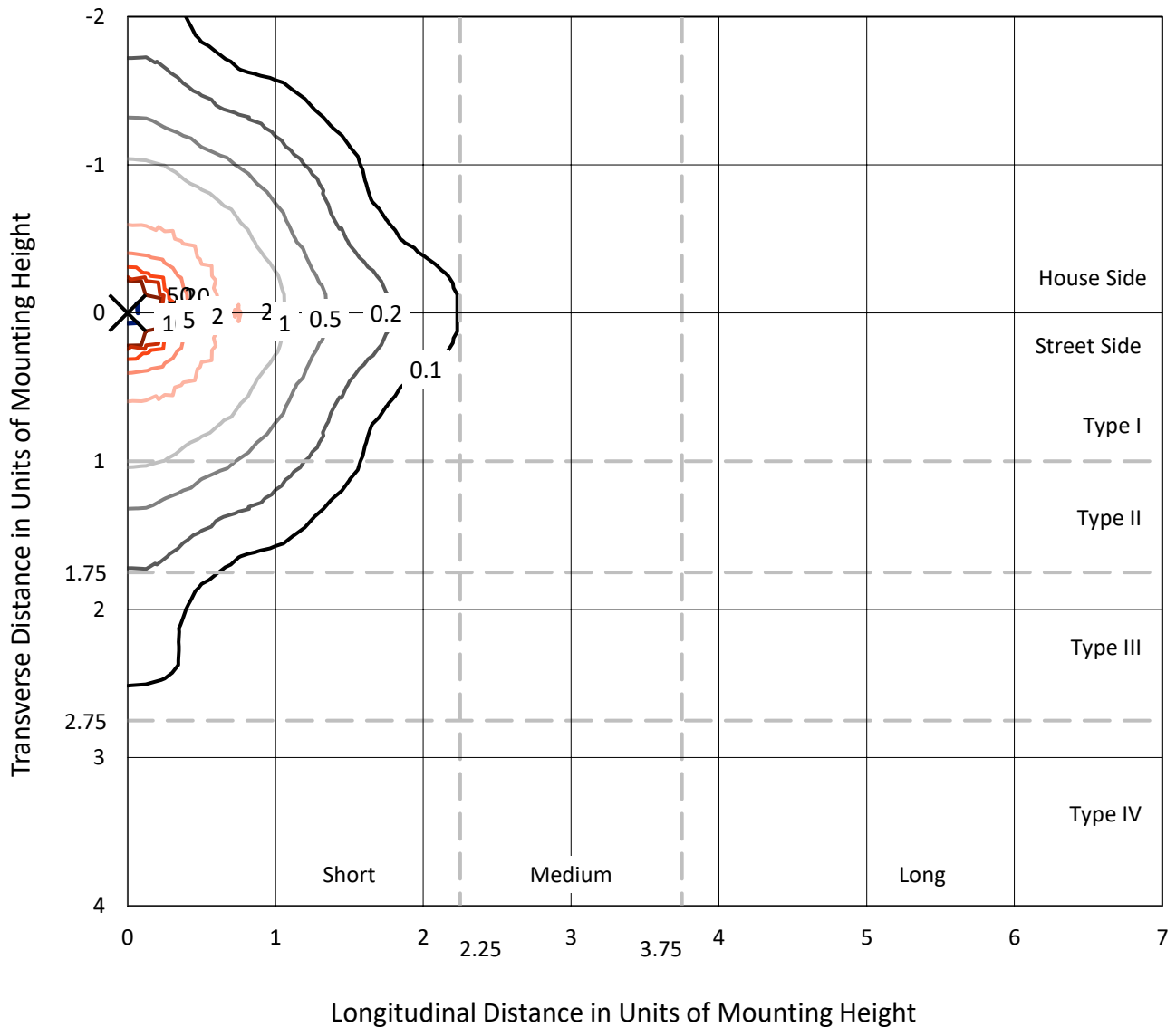
Lumens per Lamp: N/A
Luminaire Lumens: 5992.7 lumens
Efficiency: N/A
Efficacy: 48.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

Input Watts (W): 123.9
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

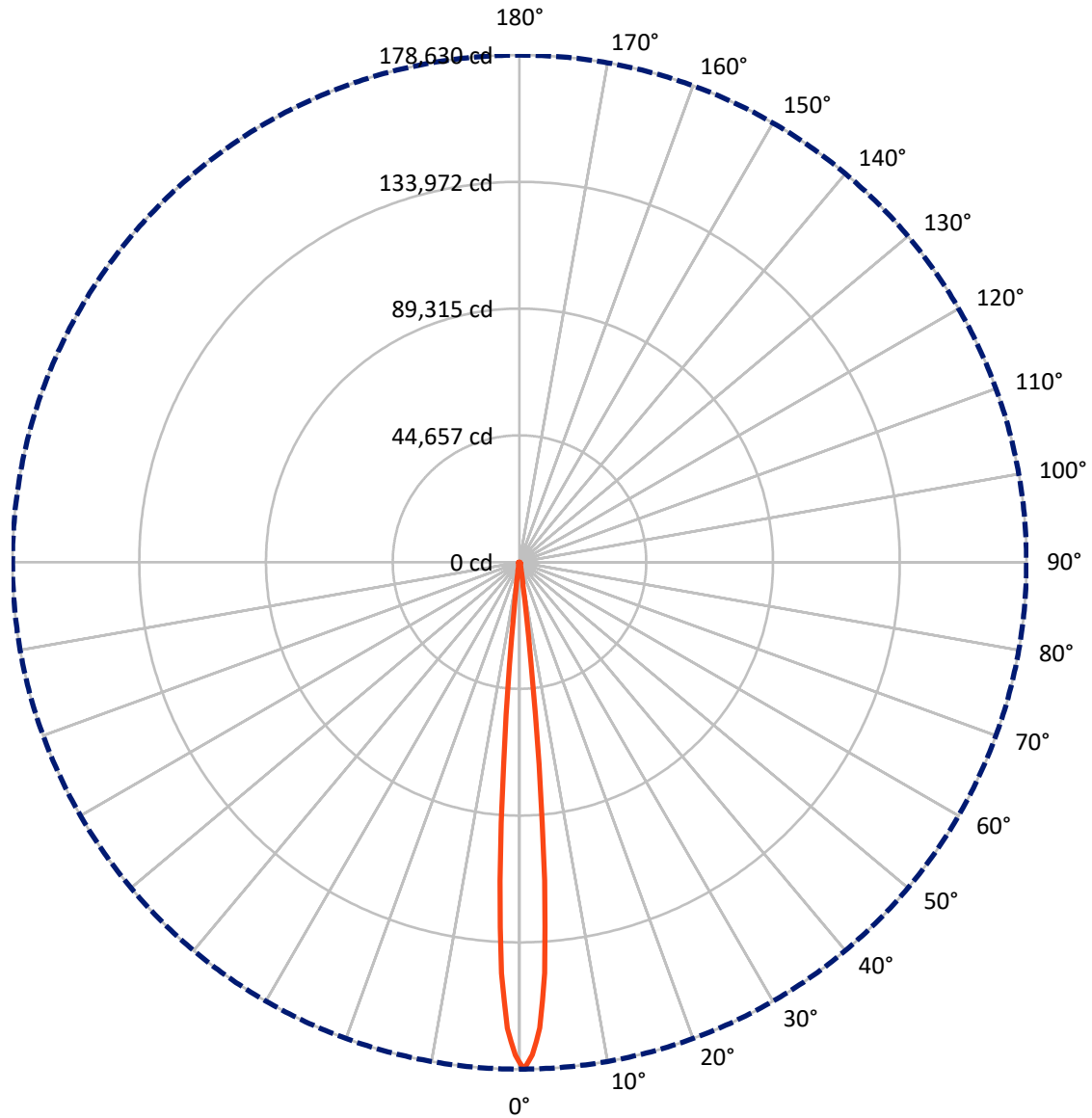
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1786.3 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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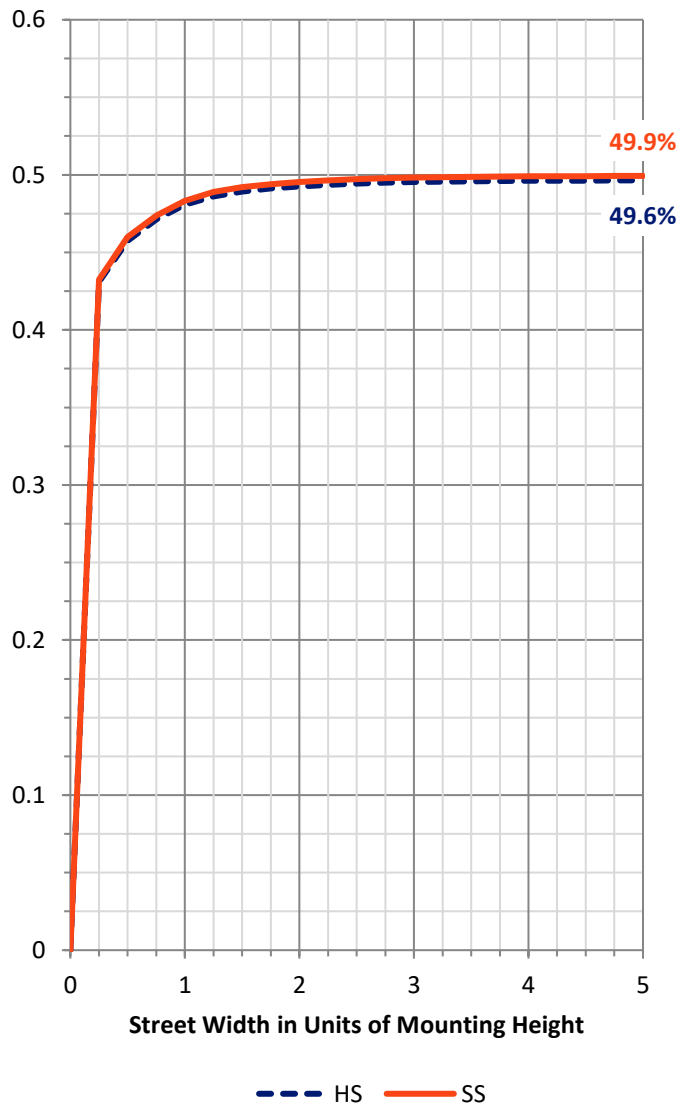
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2996.3	0.0	2996.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2996.3	0.0	2996.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	5992.7	0.0	5992.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4602.3	76.8
10°-20°	448.9	7.5
20°-30°	239.8	4.0
30°-40°	197.8	3.3
40°-50°	220.2	3.7
50°-60°	148.1	2.5
60°-70°	94.5	1.6
70°-80°	37.3	0.6
80°-90°	3.7	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°	5992.7	100.0
0°-180°	5992.7	100.0

Coefficient of Utilization



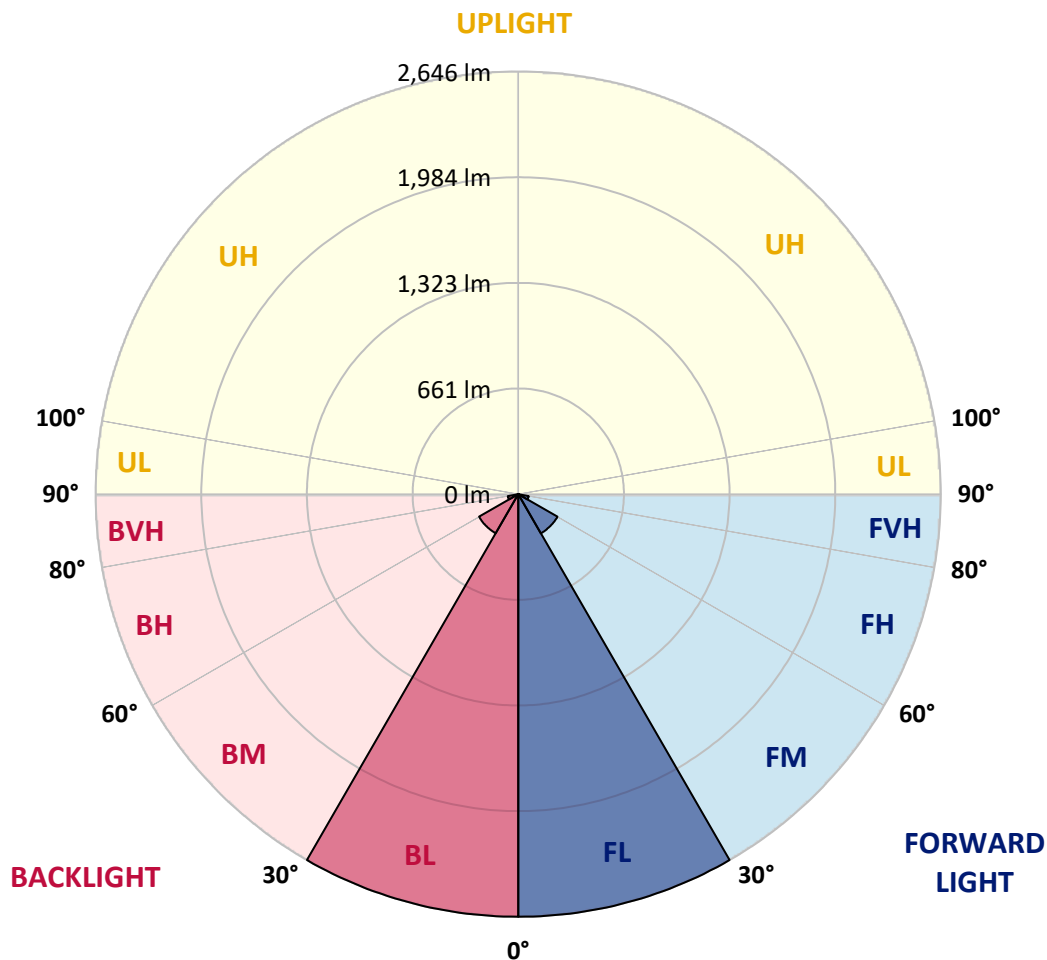
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2645.5	44.1			
FM (30°-60°)	283.1	4.7			
FH (60°-80°)	65.9	1.1			G0/660
FVH (80°-90°)	1.8	0.0			G0/10
BL (0°-30°)	2645.5	44.1	B4/5000		
BM (30°-60°)	283.1	4.7	B1/1000		
BH (60°-80°)	65.9	1.1	B0/110		G0/660
BVH (80°-90°)	1.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	178629.8	178629.8	178629.8	178629.8	178629.8	178629.8	178629.8	178629.8	178629.8	178629.8
1°	173665.2	173967.2	174021.7	173662.1	172745.1	172961.5	172933.5	172981.7	172891.4	172318.5
2°	164262.1	164708.9	164238.8	163230.0	161140.8	160642.6	158978.4	157121.1	155144.0	153162.2
3°	145068.4	146008.7	145337.7	146415.0	142177.4	141749.3	138249.6	133635.3	128958.7	125169.4
4°	112476.9	114214.3	114444.7	118000.4	114519.4	115607.6	111609.8	105198.9	98202.6	92850.4
5°	71695.1	74117.5	75484.3	78819.0	80422.5	84597.8	82650.3	76216.0	68131.6	61974.5
6°	36225.1	37543.7	41216.2	44882.4	48976.8	54517.4	55267.8	49619.7	43185.5	37275.9
7°	16886.6	17431.4	20021.9	20803.5	25484.7	31495.5	32336.2	29239.7	25845.9	21265.8
8°	8725.8	8937.6	9884.1	10464.8	13195.4	16653.0	17243.1	15294.0	13905.3	11601.2
9°	5374.1	5467.5	5822.4	5953.2	6974.4	8512.6	8721.2	7905.4	7528.7	6733.1
10°	3727.0	3776.8	3943.4	3977.6	4318.5	4824.5	4843.2	4575.4	4581.6	4382.4
12.5°	1986.5	2002.0	2048.7	2053.4	2118.8	2171.7	2159.3	2160.8	2187.3	2160.8
15°	1270.3	1278.1	1306.2	1312.4	1346.6	1365.3	1356.0	1354.4	1363.8	1346.6
17.5°	906.1	910.7	931.0	948.1	969.9	976.1	973.0	969.9	969.9	954.3
20°	706.8	713.0	727.0	744.1	755.0	765.9	767.5	765.9	761.3	753.5
22.5°	600.9	604.0	608.7	616.5	624.3	628.9	632.1	633.6	632.1	628.9
25°	523.1	526.2	535.5	540.2	540.2	541.8	548.0	551.1	552.7	546.4
27.5°	386.1	393.9	407.9	415.7	415.7	418.8	423.4	429.7	435.9	425.0
30°	298.9	305.1	320.7	320.7	319.1	322.3	326.9	336.3	345.6	333.2
32.5°	269.3	269.3	272.4	274.0	274.0	278.7	281.8	289.6	297.3	294.2
35°	281.8	274.0	264.7	264.7	267.8	277.1	278.7	286.5	294.2	305.1
37.5°	409.4	386.1	351.8	345.6	345.6	356.5	351.8	356.5	370.5	411.0
40°	372.1	353.4	333.2	305.1	305.1	320.7	309.8	316.0	348.7	373.6
42.5°	331.6	331.6	309.8	283.3	283.3	291.1	288.0	291.1	328.5	348.7
45°	306.7	306.7	300.5	258.4	264.7	269.3	269.3	269.3	319.1	325.4
47.5°	292.7	292.7	277.1	238.2	246.0	247.5	250.6	247.5	286.5	308.2
50°	261.5	264.7	238.2	210.2	219.5	219.5	224.2	218.0	247.5	283.3
52.5°	225.7	228.8	188.4	166.6	177.5	175.9	182.1	172.8	196.2	246.0
55°	200.8	199.3	155.7	135.4	147.9	146.3	149.5	138.6	158.8	211.7
57.5°	174.4	177.5	127.7	110.5	124.5	121.4	126.1	113.6	130.8	188.4
60°	154.1	158.8	109.0	93.4	107.4	104.3	109.0	95.0	112.1	169.7
62.5°	147.9	147.9	96.5	79.4	93.4	90.3	93.4	79.4	99.6	155.7
65°	175.9	166.6	87.2	65.4	79.4	76.3	79.4	65.4	87.2	149.5
67.5°	233.5	222.6	82.5	51.4	63.8	59.2	63.8	52.9	76.3	140.1
70°	121.4	129.2	82.5	40.5	48.3	48.3	46.7	40.5	63.8	102.7
72.5°	70.1	71.6	63.8	31.1	37.4	40.5	35.8	31.1	46.7	76.3
75°	38.9	43.6	40.5	23.4	28.0	31.1	26.5	23.4	32.7	54.5
77.5°	23.4	26.5	23.4	15.6	18.7	17.1	18.7	15.6	21.8	35.8
80°	12.5	12.5	12.5	9.3	9.3	10.9	10.9	9.3	12.5	18.7
82.5°	4.7	4.7	4.7	3.1	4.7	4.7	4.7	6.2	6.2	7.8
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
178629.8
172883.7
154303.3
126606.4
94091.1
62763.8
37718.0
21820.0
11914.2
6905.9
4474.2
2190.4
1359.1
959.0
755.0
630.5
546.4
423.4
330.0
294.2
311.4
431.2
397.0
350.3
323.8
303.6
280.2
239.7
208.6
183.7
165.0
154.1
149.5
138.6
101.2
74.7
48.3
26.5
15.6
7.8
1.6
1.6
0.0

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