

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: P525313

Luminaire Tested: **IFLD-S-SA2E-935-U-11**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525313
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2E-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

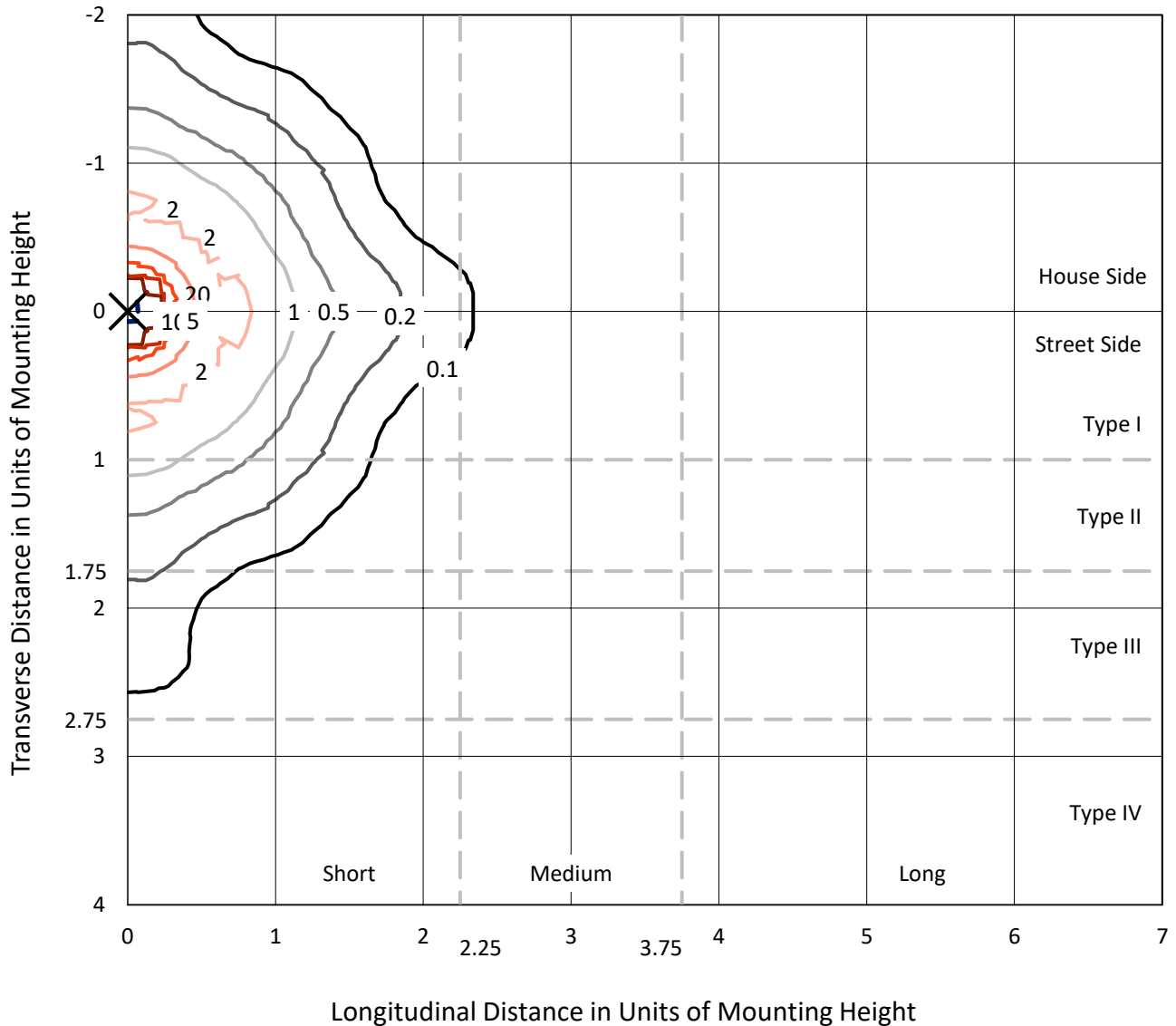
Lumens per Lamp: N/A
Luminaire Lumens: 6935.2 lumens
Efficiency: N/A
Efficacy: 44.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

Input Watts (W): 156.2
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

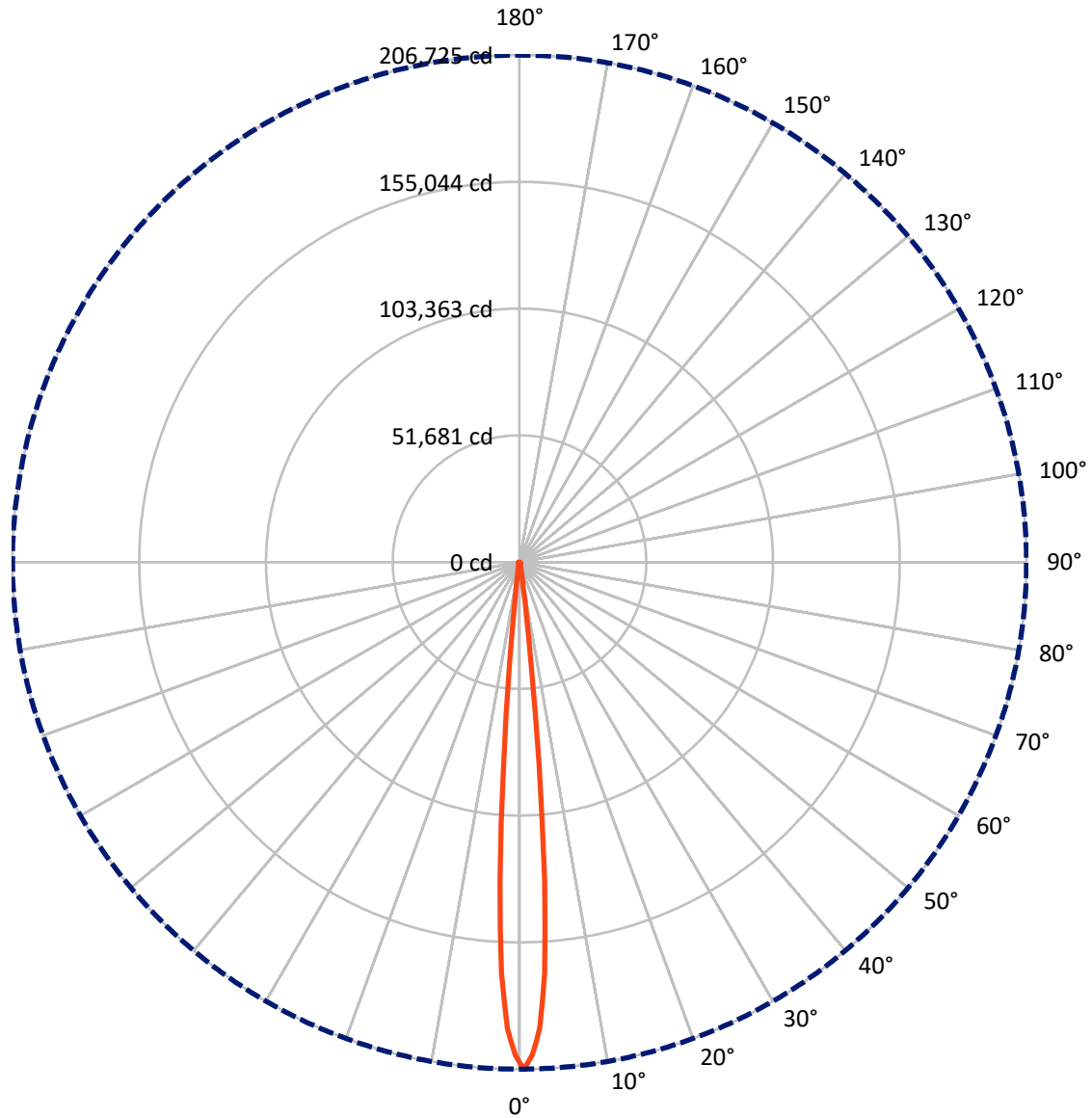
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2067.3 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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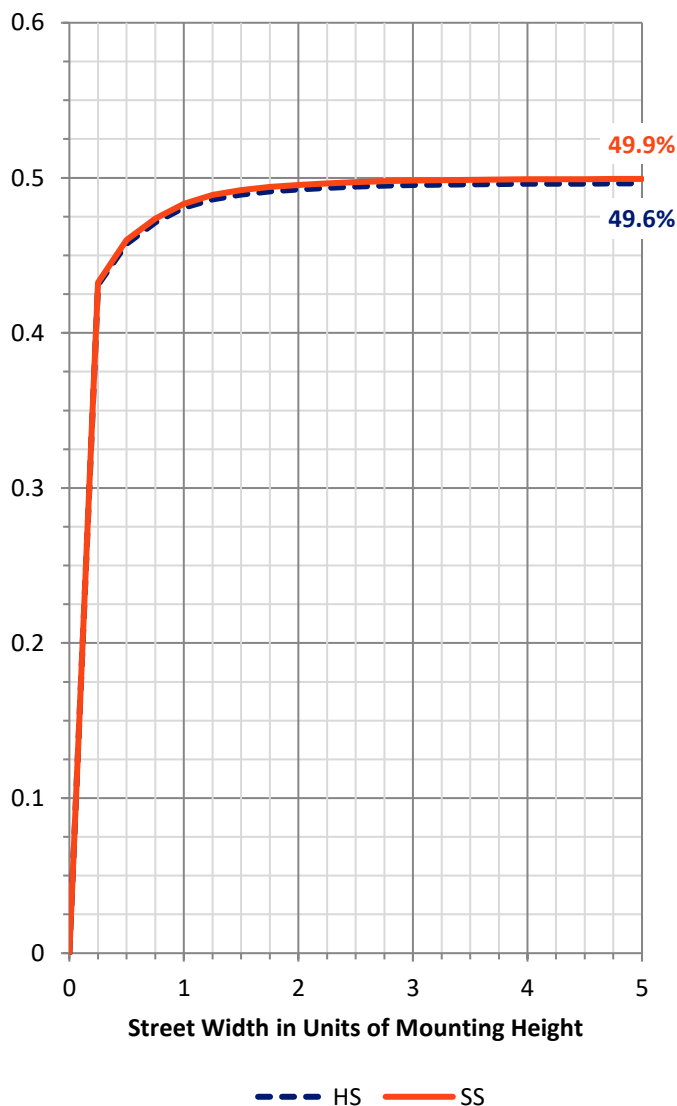
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3467.6	0.0	3467.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3467.6	0.0	3467.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	6935.2	0.0	6935.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5326.2	76.8
10°-20°	519.5	7.5
20°-30°	277.5	4.0
30°-40°	228.9	3.3
40°-50°	254.9	3.7
50°-60°	171.4	2.5
60°-70°	109.4	1.6
70°-80°	43.2	0.6
80°-90°	4.2	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°	6935.2	100.0
0°-180°	6935.2	100.0

Coefficient of Utilization

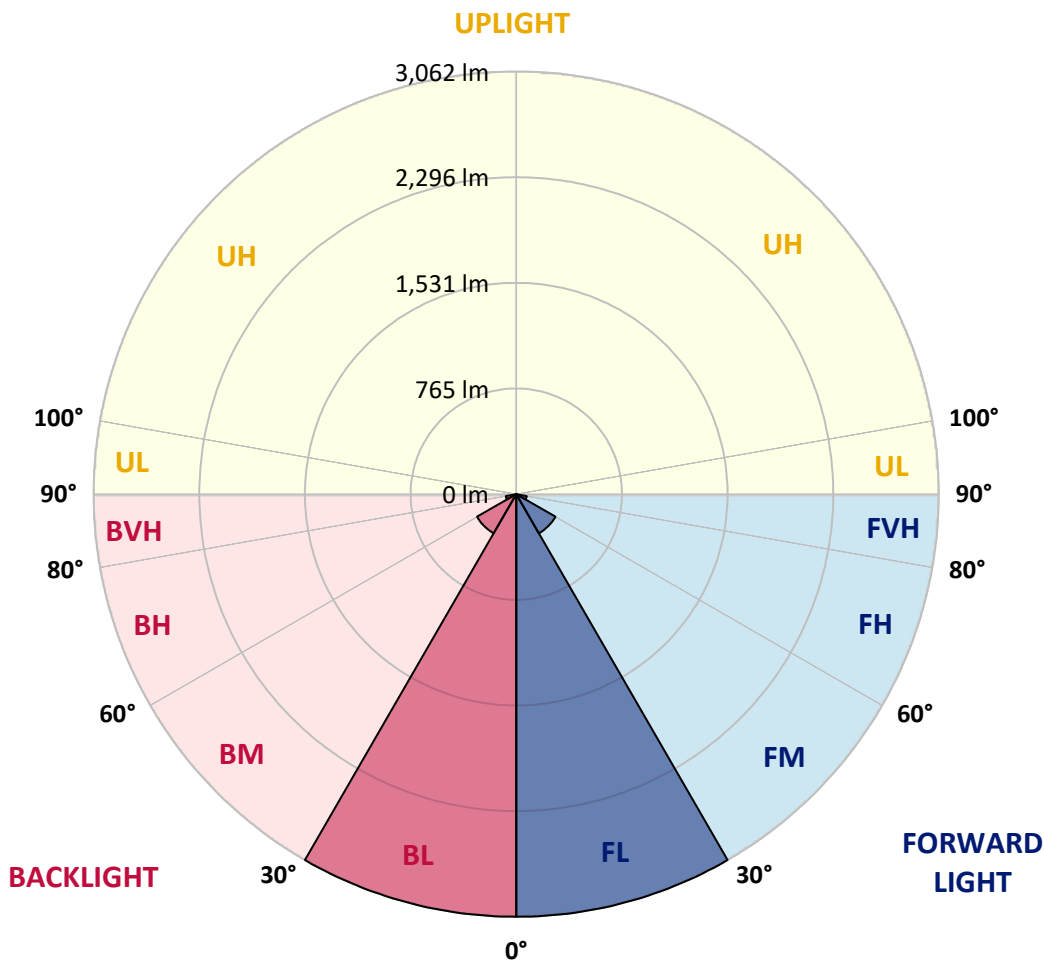


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3061.6	44.1			
FM (30°-60°)	327.6	4.7			
FH (60°-80°)	76.3	1.1			G0/660
FVH (80°-90°)	2.1	0.0			G0/10
BL (0°-30°)	3061.6	44.1	B4/5000		
BM (30°-60°)	327.6	4.7	B1/1000		
BH (60°-80°)	76.3	1.1	B0/110		G0/660
BVH (80°-90°)	2.1	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°	206725.4	206725.4	206725.4	206725.4	206725.4	206725.4	206725.4	206725.4	206725.4	206725.4
1°	200979.9	201329.4	201392.5	200976.3	199915.1	200165.5	200133.1	200189.0	200084.5	199421.4
2°	190097.9	190615.0	190070.9	188903.4	186485.6	185909.0	183983.1	181833.7	179545.6	177252.1
3°	167885.3	168973.5	168197.0	169443.7	164539.6	164044.2	159994.1	154654.0	149241.8	144856.6
4°	130167.7	132178.3	132445.0	136559.9	132531.5	133790.8	129164.2	121744.9	113648.3	107454.2
5°	82971.6	85774.9	87356.8	91215.9	93071.6	97903.7	95649.8	88203.6	78847.6	71722.0
6°	41922.7	43448.7	47698.8	51941.7	56680.0	63092.1	63960.5	57424.1	49977.9	43138.8
7°	19542.5	20173.1	23171.1	24075.5	29493.1	36449.3	37422.1	33838.7	29911.1	24610.6
8°	10098.3	10343.3	11438.7	12110.7	15270.8	19272.3	19955.1	17699.4	16092.4	13425.9
9°	6219.3	6327.4	6738.2	6889.5	8071.4	9851.4	10092.9	9148.8	8712.8	7792.2
10°	4313.2	4370.8	4563.6	4603.2	4997.8	5583.3	5604.9	5295.1	5302.3	5071.7
12.5°	2298.9	2316.9	2371.0	2376.4	2452.1	2513.3	2498.9	2500.7	2531.3	2500.7
15°	1470.1	1479.2	1511.6	1518.8	1558.4	1580.1	1569.2	1567.4	1578.2	1558.4
17.5°	1048.6	1054.0	1077.4	1097.2	1122.4	1129.6	1126.0	1122.4	1122.4	1104.4
20°	818.0	825.2	841.4	861.2	873.8	886.4	888.2	886.4	881.0	872.0
22.5°	695.4	699.0	704.4	713.5	722.5	727.9	731.5	733.3	731.5	727.9
25°	605.4	609.0	619.8	625.2	625.2	627.0	634.2	637.8	639.6	632.4
27.5°	446.8	455.8	472.0	481.0	481.0	484.6	490.0	497.3	504.5	491.9
30°	345.9	353.1	371.1	371.1	369.3	372.9	378.3	389.2	400.0	385.6
32.5°	311.7	311.7	315.3	317.1	317.1	322.5	326.1	335.1	344.1	340.5
35°	326.1	317.1	306.3	306.3	309.9	320.7	322.5	331.5	340.5	353.1
37.5°	473.8	446.8	407.2	400.0	400.0	412.6	407.2	412.6	428.8	475.6
40°	430.6	409.0	385.6	353.1	353.1	371.1	358.5	365.7	403.6	432.4
42.5°	383.8	383.8	358.5	327.9	327.9	336.9	333.3	336.9	380.1	403.6
45°	354.9	354.9	347.7	299.1	306.3	311.7	311.7	311.7	369.3	376.5
47.5°	338.7	338.7	320.7	275.7	284.7	286.5	290.1	286.5	331.5	356.7
50°	302.7	306.3	275.7	243.2	254.0	254.0	259.4	252.2	286.5	327.9
52.5°	261.2	264.8	218.0	192.8	205.4	203.6	210.8	200.0	227.0	284.7
55°	232.4	230.6	180.2	156.7	171.2	169.4	173.0	160.3	183.8	245.0
57.5°	201.8	205.4	147.7	127.9	144.1	140.5	145.9	131.5	151.3	218.0
60°	178.4	183.8	126.1	108.1	124.3	120.7	126.1	109.9	129.7	196.4
62.5°	171.2	171.2	111.7	91.9	108.1	104.5	108.1	91.9	115.3	180.2
65°	203.6	192.8	100.9	75.7	91.9	88.3	91.9	75.7	100.9	173.0
67.5°	270.2	257.6	95.5	59.5	73.9	68.5	73.9	61.3	88.3	162.1
70°	140.5	149.5	95.5	46.8	55.9	55.9	54.0	46.8	73.9	118.9
72.5°	81.1	82.9	73.9	36.0	43.2	46.8	41.4	36.0	54.0	88.3
75°	45.0	50.4	46.8	27.0	32.4	36.0	30.6	27.0	37.8	63.1
77.5°	27.0	30.6	27.0	18.0	21.6	19.8	21.6	18.0	25.2	41.4
80°	14.4	14.4	14.4	10.8	10.8	12.6	12.6	10.8	14.4	21.6
82.5°	5.4	5.4	5.4	3.6	5.4	5.4	5.4	7.2	7.2	9.0
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
206725.4
200075.4
178572.7
146519.5
108890.2
72635.5
43650.5
25252.0
13788.1
7992.1
5178.0
2534.9
1572.8
1109.8
873.8
729.7
632.4
490.0
382.0
340.5
360.3
499.1
459.4
405.4
374.7
351.3
324.3
277.5
241.4
212.6
191.0
178.4
173.0
160.3
117.1
86.5
55.9
30.6
18.0
9.0
1.8
1.8
0.0

OF REPORT)