

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: P525368

Luminaire Tested: **IFLD-S-SA6A-940-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525368
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-940-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (96) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

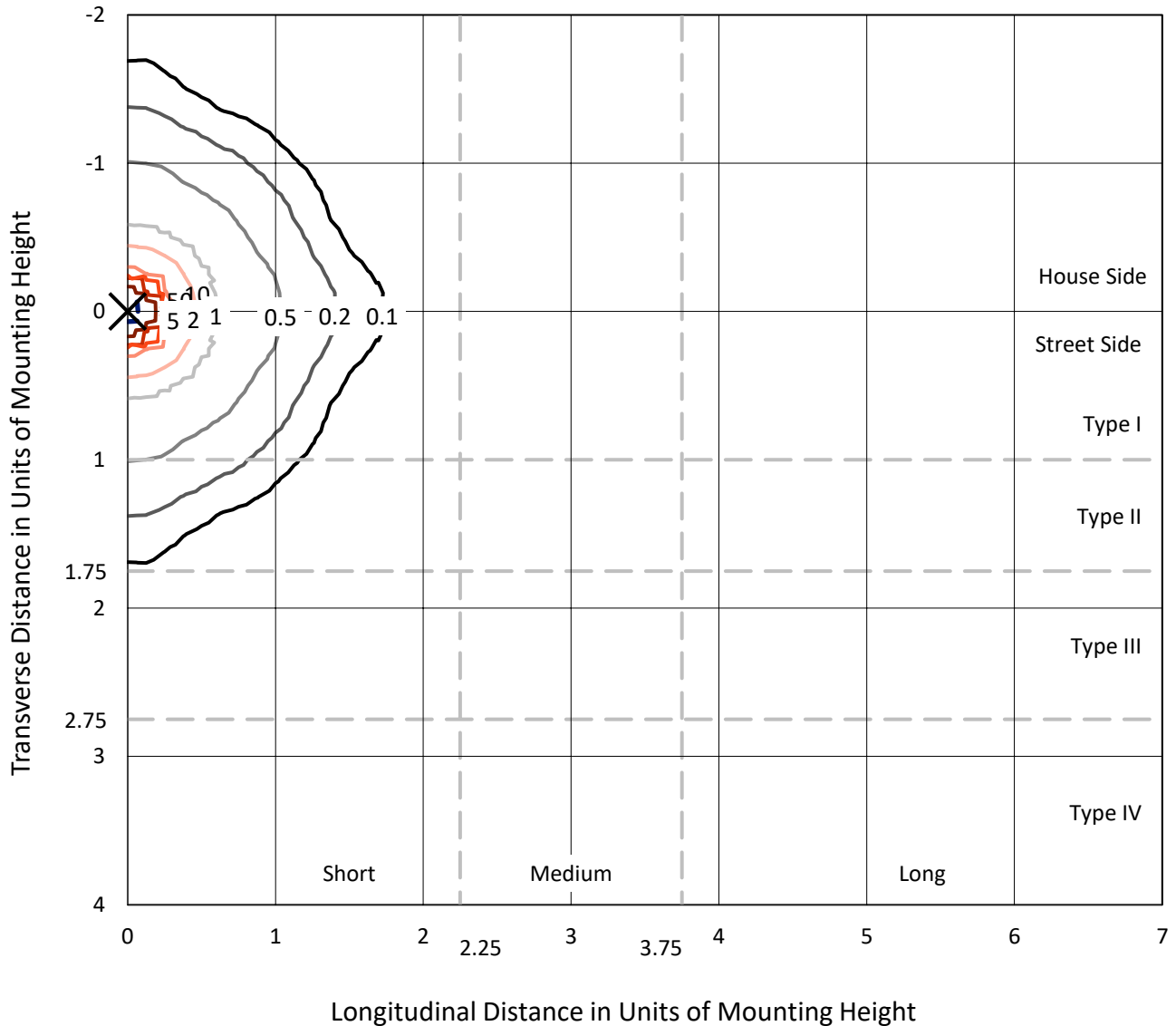
Lumens per Lamp: N/A
Luminaire Lumens: 11254.5 lumens
Efficiency: N/A
Efficacy: 59.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

Input Watts (W): 189.6
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

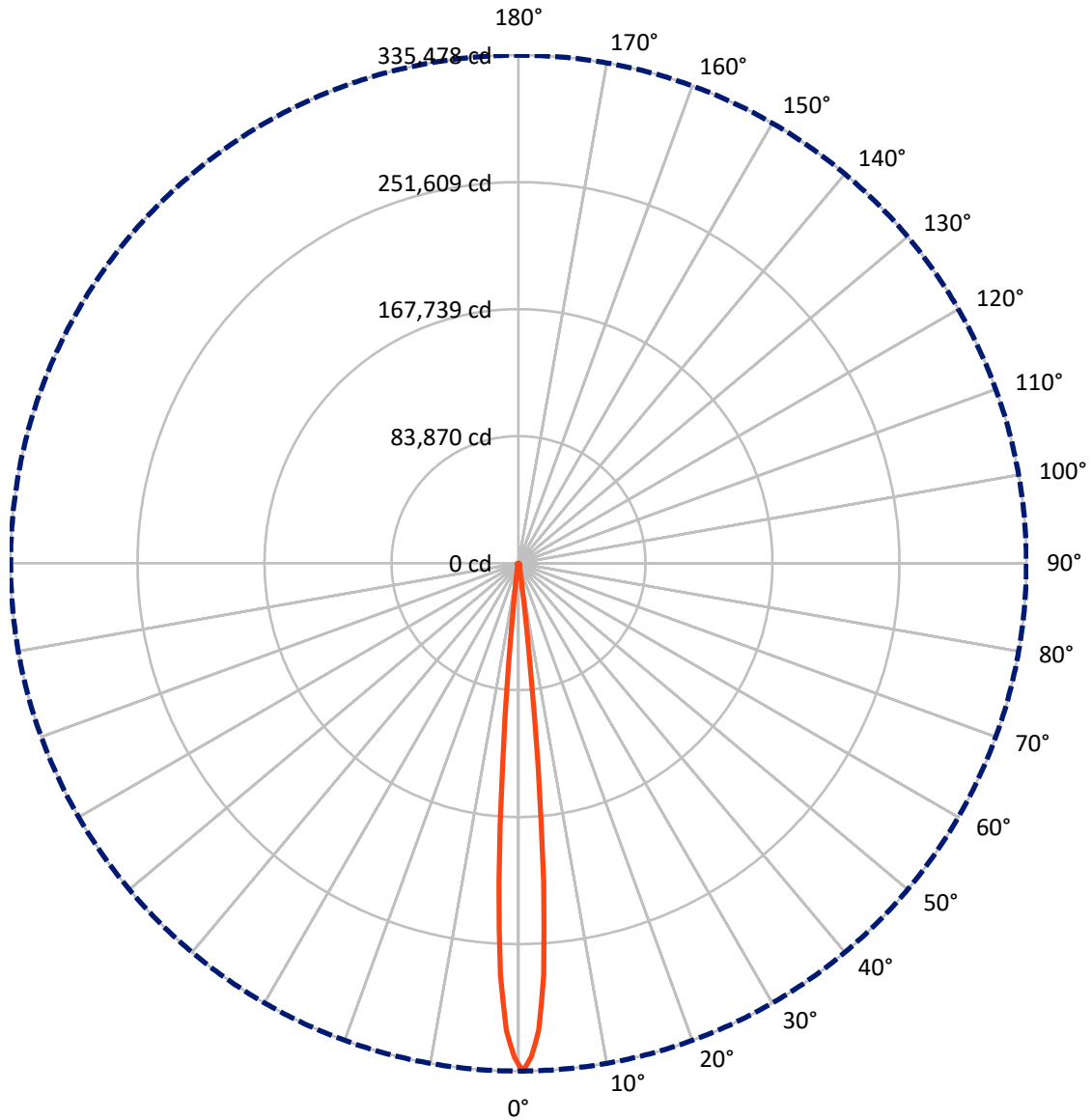
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 838.7 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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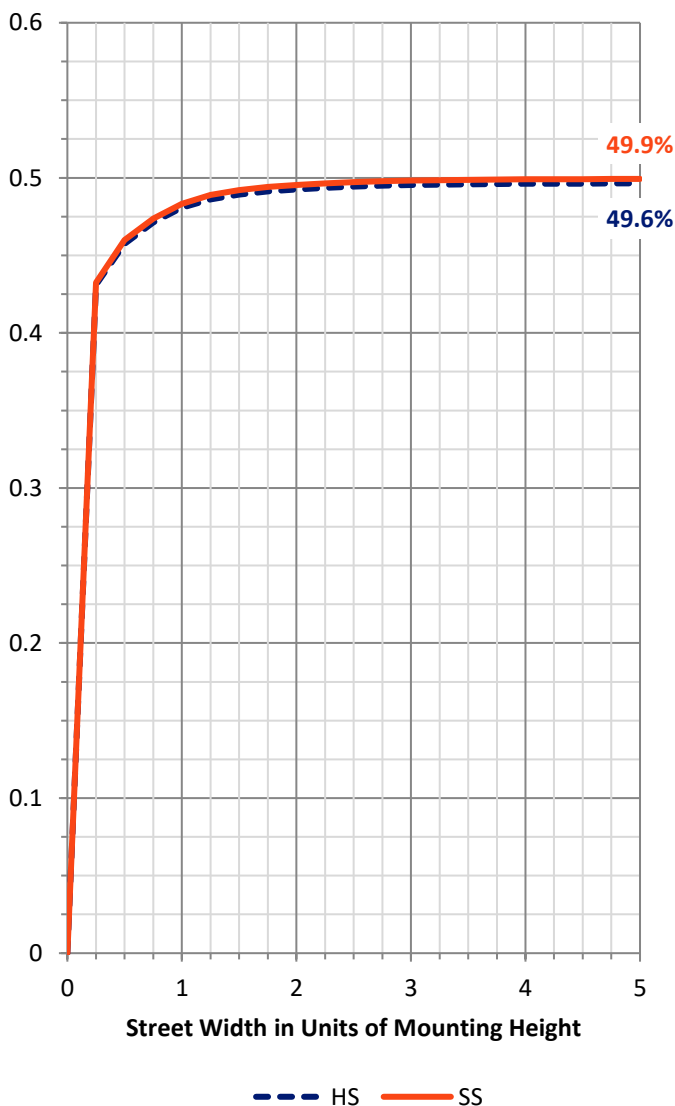
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5627.3	0.0	5627.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5627.3	0.0	5627.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	11254.5	0.0	11254.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8643.4	76.8
10°-20°	843.0	7.5
20°-30°	450.4	4.0
30°-40°	371.5	3.3
40°-50°	413.6	3.7
50°-60°	278.1	2.5
60°-70°	177.5	1.6
70°-80°	70.1	0.6
80°-90°	6.9	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°	11254.5	100.0
0°-180°	11254.5	100.0

Coefficient of Utilization



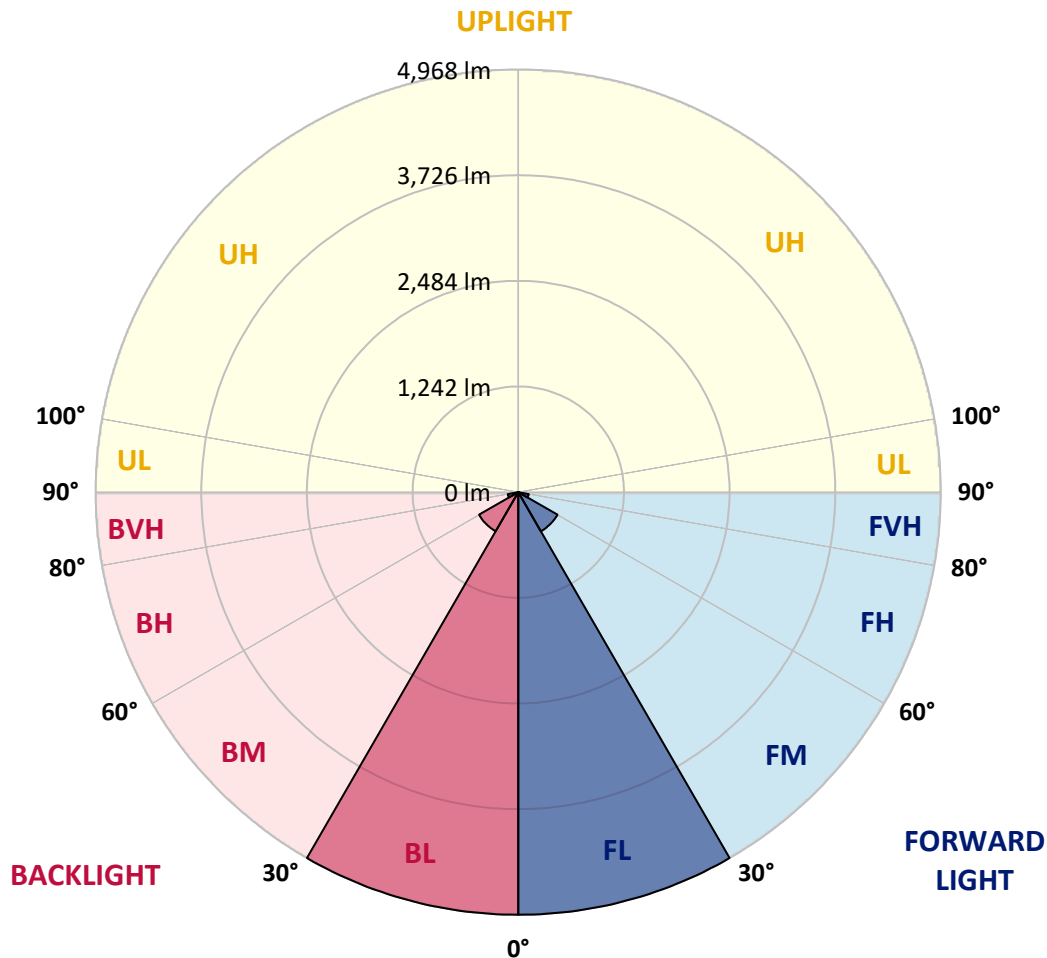
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4968.4	44.1			
FM (30°-60°)	531.6	4.7			
FH (60°-80°)	123.8	1.1			G0/660
FVH (80°-90°)	3.4	0.0			G0/10
BL (0°-30°)	4968.4	44.1	B4/5000		
BM (30°-60°)	531.6	4.7	B1/1000		
BH (60°-80°)	123.8	1.1	B1/500		G0/660
BVH (80°-90°)	3.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	335478.0	335478.0	335478.0	335478.0	335478.0	335478.0	335478.0	335478.0	335478.0	335478.0
1°	326154.1	326721.3	326823.7	326148.3	324426.2	324832.6	324780.0	324870.6	324701.0	323625.1
2°	308494.6	309333.7	308450.8	306556.2	302632.5	301696.9	298571.4	295083.3	291370.2	287648.2
3°	272447.6	274213.5	272953.4	274976.6	267018.2	266214.1	259641.5	250975.5	242192.5	235076.1
4°	211238.7	214501.6	214934.3	221612.2	215074.7	217118.4	209610.2	197570.1	184430.7	174378.9
5°	134647.9	139197.3	141764.3	148027.0	151038.5	158880.0	155222.4	143138.5	127955.4	116391.9
6°	68033.0	70509.4	77406.5	84292.0	91981.5	102387.1	103796.4	93189.0	81105.1	70006.5
7°	31714.0	32737.3	37602.5	39070.2	47861.9	59150.6	60729.4	54914.0	48540.3	39938.6
8°	16387.7	16785.3	18562.9	19653.5	24781.8	31275.5	32383.6	28723.0	26115.0	21787.9
9°	10092.8	10268.2	10934.9	11180.5	13098.4	15987.1	16378.9	14846.9	14139.3	12645.3
10°	6999.5	7093.0	7405.9	7470.2	8110.5	9060.7	9095.8	8592.9	8604.6	8230.4
12.5°	3730.7	3760.0	3847.7	3856.4	3979.2	4078.6	4055.3	4058.2	4107.9	4058.2
15°	2385.8	2400.4	2453.0	2464.7	2529.1	2564.1	2546.6	2543.7	2561.2	2529.1
17.5°	1701.6	1710.4	1748.4	1780.6	1821.5	1833.2	1827.3	1821.5	1821.5	1792.3
20°	1327.4	1339.1	1365.4	1397.6	1418.0	1438.5	1441.4	1438.5	1429.7	1415.1
22.5°	1128.6	1134.4	1143.2	1157.8	1172.4	1181.2	1187.0	1190.0	1187.0	1181.2
25°	982.4	988.2	1005.8	1014.5	1014.5	1017.5	1029.2	1035.0	1037.9	1026.2
27.5°	725.1	739.7	766.0	780.6	780.6	786.5	795.3	807.0	818.7	798.2
30°	561.4	573.1	602.3	602.3	599.4	605.2	614.0	631.5	649.1	625.7
32.5°	505.8	505.8	511.7	514.6	514.6	523.4	529.2	543.8	558.4	552.6
35°	529.2	514.6	497.0	497.0	502.9	520.4	523.4	538.0	552.6	573.1
37.5°	768.9	725.1	660.8	649.1	649.1	669.5	660.8	669.5	695.9	771.9
40°	698.8	663.7	625.7	573.1	573.1	602.3	581.8	593.5	654.9	701.7
42.5°	622.8	622.8	581.8	532.1	532.1	546.7	540.9	546.7	616.9	654.9
45°	576.0	576.0	564.3	485.3	497.0	505.8	505.8	505.8	599.4	611.1
47.5°	549.7	549.7	520.4	447.3	462.0	464.9	470.7	464.9	538.0	578.9
50°	491.2	497.0	447.3	394.7	412.3	412.3	421.0	409.3	464.9	532.1
52.5°	423.9	429.8	353.8	312.8	333.3	330.4	342.1	324.5	368.4	462.0
55°	377.2	374.2	292.4	254.4	277.8	274.8	280.7	260.2	298.2	397.6
57.5°	327.5	333.3	239.7	207.6	233.9	228.1	236.8	213.4	245.6	353.8
60°	289.5	298.2	204.7	175.4	201.7	195.9	204.7	178.3	210.5	318.7
62.5°	277.8	277.8	181.3	149.1	175.4	169.6	175.4	149.1	187.1	292.4
65°	330.4	312.8	163.7	122.8	149.1	143.3	149.1	122.8	163.7	280.7
67.5°	438.6	418.1	155.0	96.5	119.9	111.1	119.9	99.4	143.3	263.1
70°	228.1	242.7	155.0	76.0	90.6	90.6	87.7	76.0	119.9	193.0
72.5°	131.6	134.5	119.9	58.5	70.2	76.0	67.2	58.5	87.7	143.3
75°	73.1	81.9	76.0	43.9	52.6	58.5	49.7	43.9	61.4	102.3
77.5°	43.9	49.7	43.9	29.2	35.1	32.2	35.1	29.2	40.9	67.2
80°	23.4	23.4	23.4	17.5	17.5	20.5	20.5	17.5	23.4	35.1
82.5°	8.8	8.8	8.8	5.8	8.8	8.8	8.8	11.7	11.7	14.6
85°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
87.5°	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
335478.0
324686.4
289791.3
237774.7
176709.1
117874.3
70836.8
40979.4
22375.5
12969.8
8402.9
4113.7
2552.4
1801.0
1418.0
1184.1
1026.2
795.3
619.8
552.6
584.8
809.9
745.6
657.8
608.1
570.1
526.3
450.3
391.8
345.0
309.9
289.5
280.7
260.2
190.0
140.3
90.6
49.7
29.2
14.6
2.9
2.9
0.0

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