

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: P524329

Luminaire Tested: **IFLD-L-SA7E-930-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524329
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7E-930-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55 distribution lens
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

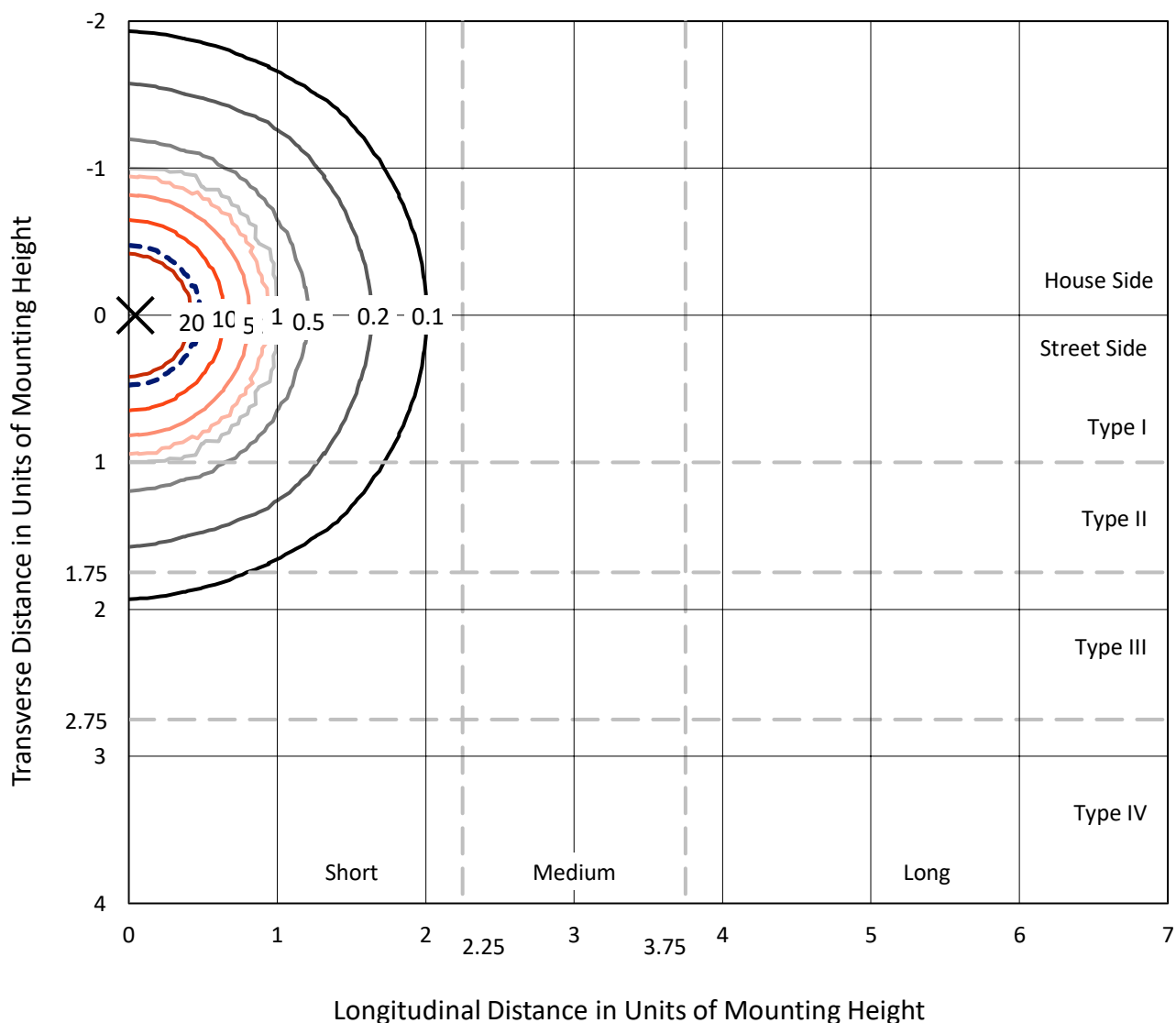
Lumens per Lamp: N/A
Luminaire Lumens: 35742.9 lumens
Efficiency: N/A
Efficacy: 67.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 532.7
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

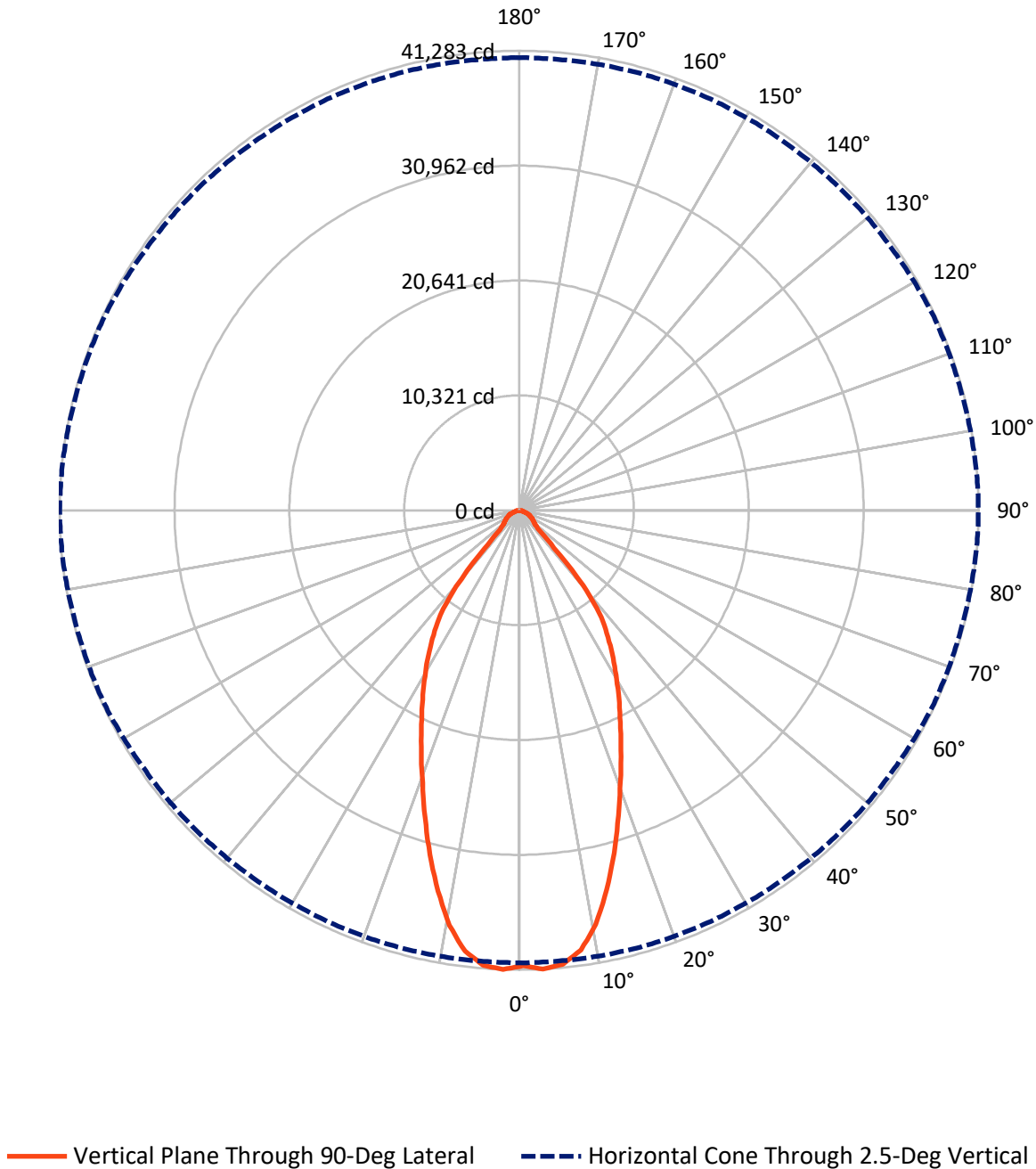
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 45.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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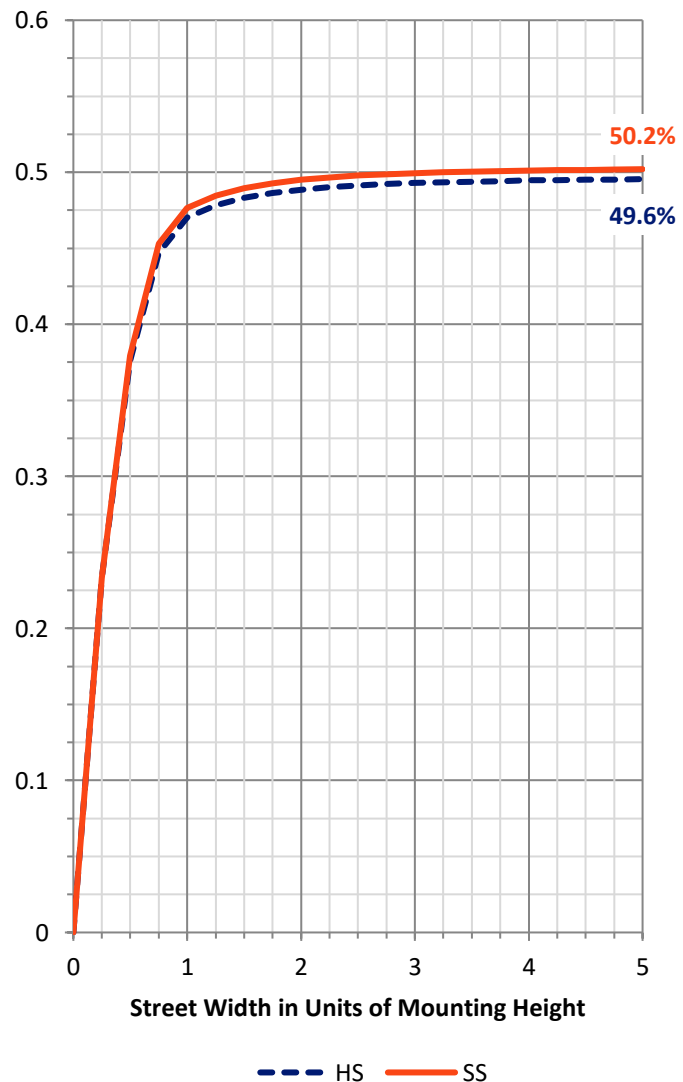
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17871.5	0.0	17871.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17871.5	0.0	17871.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	35742.9	0.0	35742.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3771.7	10.6
10°-20°	8706.7	24.4
20°-30°	9559.2	26.7
30°-40°	8288.5	23.2
40°-50°	2727.3	7.6
50°-60°	1222.8	3.4
60°-70°	864.3	2.4
70°-80°	469.3	1.3
80°-90°	133.1	0.4
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°	35742.9	100.0
0°-180°	35742.9	100.0

Coefficient of Utilization



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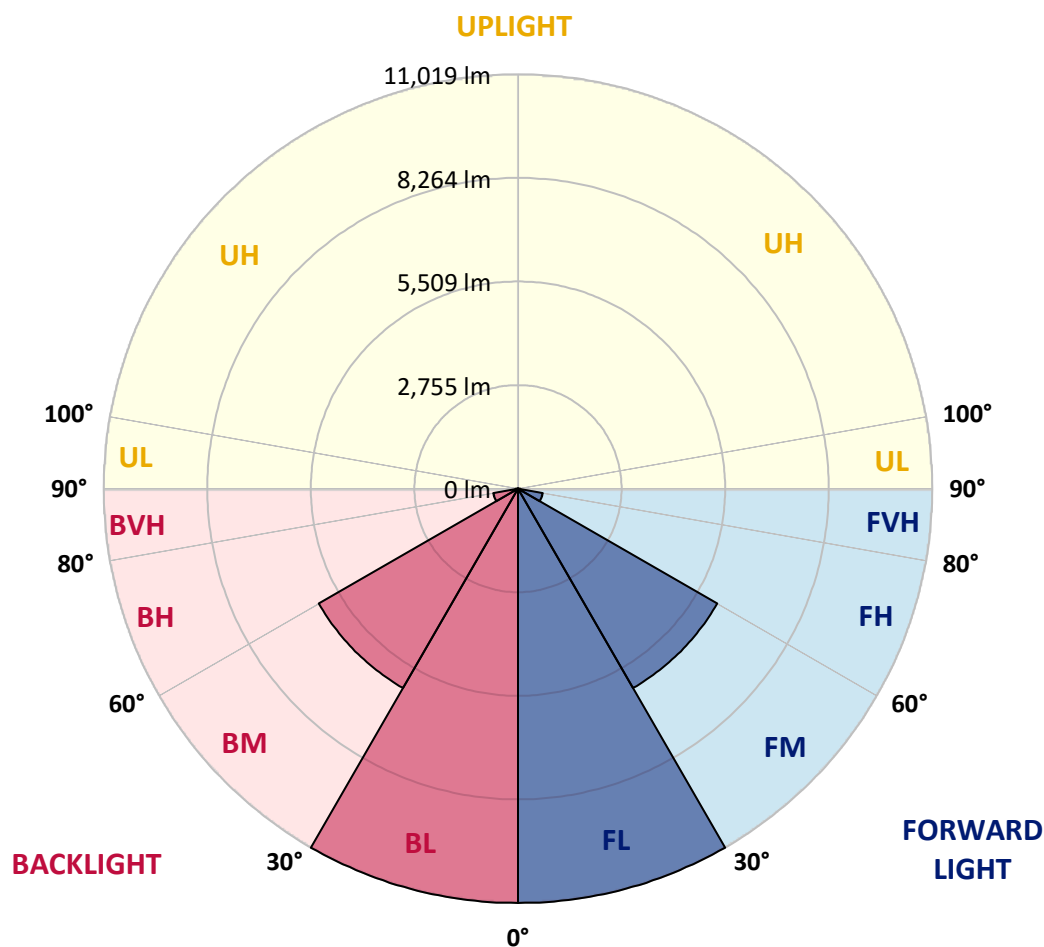
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	11018.8	30.8			
FM	(30°-60°)	6119.3	17.1			
FH	(60°-80°)	666.8	1.9			G1/1800
FVH	(80°-90°)	66.5	0.2			G1/100
BL	(0°-30°)	11018.8	30.8	B5		
BM	(30°-60°)	6119.3	17.1	B4/8500		
BH	(60°-80°)	666.8	1.9	B2/1000		G1/1800
BVH	(80°-90°)	66.5	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	40914.4	40914.4	40914.4	40914.4	40914.4	40914.4	40914.4	40914.4	40914.4	40914.4
2.5°	40659.9	40654.5	40719.5	40751.9	40768.2	40844.0	40919.8	41120.2	41125.6	41244.8
5°	40605.7	40557.0	40600.3	40535.3	40551.6	40551.6	40649.1	40795.3	40849.4	40968.6
7.5°	39398.1	39387.2	39360.2	39289.8	39376.4	39316.8	39495.5	39625.5	39750.1	39809.6
10°	37145.2	37042.3	37042.3	36944.8	37031.5	36950.2	37242.7	37361.8	37573.0	37697.6
12.5°	34231.6	34188.3	34193.7	34150.4	34145.0	34031.3	34372.4	34475.3	34664.9	34849.0
15°	31123.1	31058.1	31117.7	31117.7	31069.0	30966.1	31328.9	31469.7	31745.9	31832.6
17.5°	28052.5	28025.4	28063.3	28079.6	28041.7	27944.2	28296.2	28604.9	28794.4	28794.4
20°	25236.4	25225.6	25274.3	25225.6	25187.7	25122.7	25447.6	25745.5	25913.4	25924.2
22.5°	22761.5	22821.1	22777.8	22718.2	22637.0	22588.2	22886.1	23162.3	23276.0	23389.7
25°	20589.9	20606.1	20638.6	20546.6	20449.1	20389.5	20611.6	20844.4	21023.1	21088.1
27.5°	18802.8	18862.3	18781.1	18640.3	18586.1	18515.7	18672.8	18840.7	18970.6	19062.7
30°	17064.4	17096.9	17113.1	16966.9	16836.9	16734.0	16864.0	17010.2	17059.0	17140.2
32.5°	15396.4	15450.5	15504.7	15326.0	15233.9	15136.4	15201.4	15293.5	15320.6	15326.0
35°	13733.8	13695.9	13647.2	13582.2	13511.8	13392.6	13457.6	13490.1	13511.8	13511.8
37.5°	11724.6	11757.1	11768.0	11643.4	11610.9	11529.7	11573.0	11578.4	11621.8	11648.8
40°	8870.7	8984.4	8908.6	8832.7	8843.6	8746.1	8729.9	8708.2	8805.7	8843.6
42.5°	4825.2	5020.2	4819.8	4884.8	4836.1	4781.9	4765.7	4792.8	4668.2	4565.3
45°	2426.2	2415.3	2458.7	2458.7	2502.0	2518.2	2480.3	2447.8	2431.6	2388.3
47.5°	1955.0	1922.5	1917.1	1944.2	1976.7	1998.3	1965.8	1949.6	1944.2	1971.3
50°	1678.8	1630.1	1613.8	1651.7	1678.8	1700.5	1673.4	1673.4	1668.0	1711.3
52.5°	1462.2	1413.5	1413.5	1489.3	1510.9	1532.6	1516.4	1516.4	1516.4	1565.1
55°	1294.3	1256.4	1213.1	1310.6	1381.0	1402.6	1391.8	1386.4	1391.8	1445.9
57.5°	1164.3	1142.7	1115.6	1137.3	1245.6	1272.7	1267.2	1267.2	1278.1	1321.4
60°	1039.8	1029.0	1018.1	1018.1	1104.8	1153.5	1148.1	1148.1	1158.9	1186.0
62.5°	926.1	915.2	904.4	915.2	947.7	1023.5	1023.5	1029.0	1045.2	1056.0
65°	812.3	806.9	806.9	812.3	823.2	882.7	904.4	920.6	936.9	942.3
67.5°	704.0	698.6	704.0	714.9	714.9	741.9	790.7	806.9	823.2	823.2
70°	568.6	595.7	612.0	617.4	628.2	633.6	676.9	709.4	725.7	704.0
72.5°	308.7	352.0	530.7	547.0	552.4	557.8	590.3	628.2	639.0	417.0
75°	222.0	222.0	444.1	471.2	476.6	476.6	503.6	541.6	552.4	319.5
77.5°	146.2	140.8	308.7	341.2	389.9	314.1	411.6	454.9	465.7	265.4
80°	113.7	108.3	238.3	265.4	270.8	216.6	335.8	368.3	373.7	216.6
82.5°	86.6	81.2	173.3	195.0	211.2	140.8	238.3	281.6	292.4	189.5
85°	48.7	48.7	86.6	81.2	124.6	92.1	135.4	140.8	189.5	119.1
87.5°	16.2	21.7	37.9	37.9	43.3	37.9	54.2	54.2	59.6	43.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

40914.4
41282.7
40990.2
39907.1
37833.0
34973.6
31951.7
28864.8
25983.8
23454.7
21131.4
19089.8
17156.4
15391.0
13576.8
11762.6
8892.3
4614.0
2426.2
1992.9
1765.5
1619.2
1478.4
1353.9
1207.7
1072.3
953.1
823.2
622.8
357.4
314.1
259.9
195.0
195.0
113.7
32.5
0.0

OF REPORT)