

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: P636280

Luminaire Tested: **IFLD-S-SA3C-927-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636280
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-927-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (48) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12537.3 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

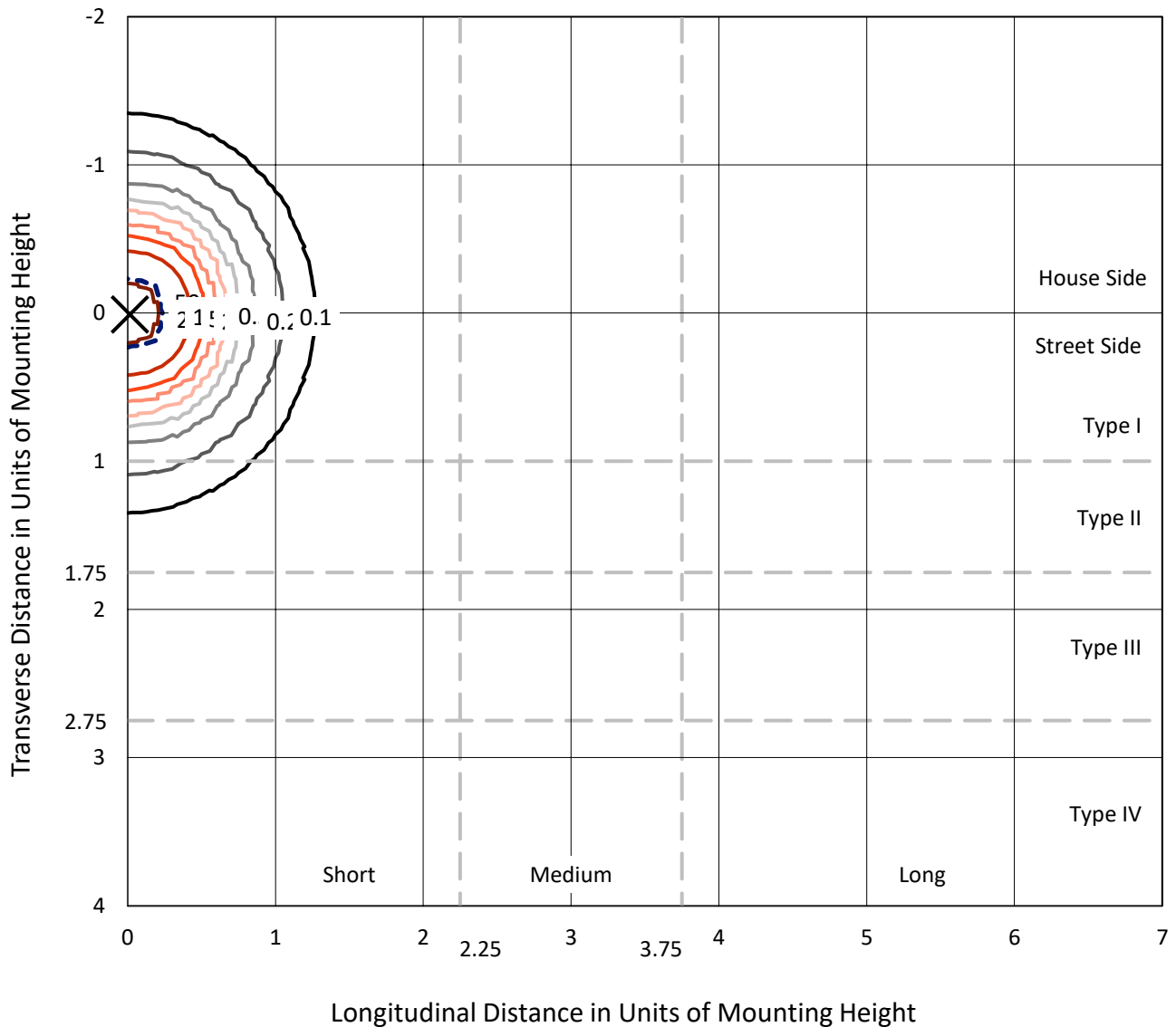
Input Watts (W): 160.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

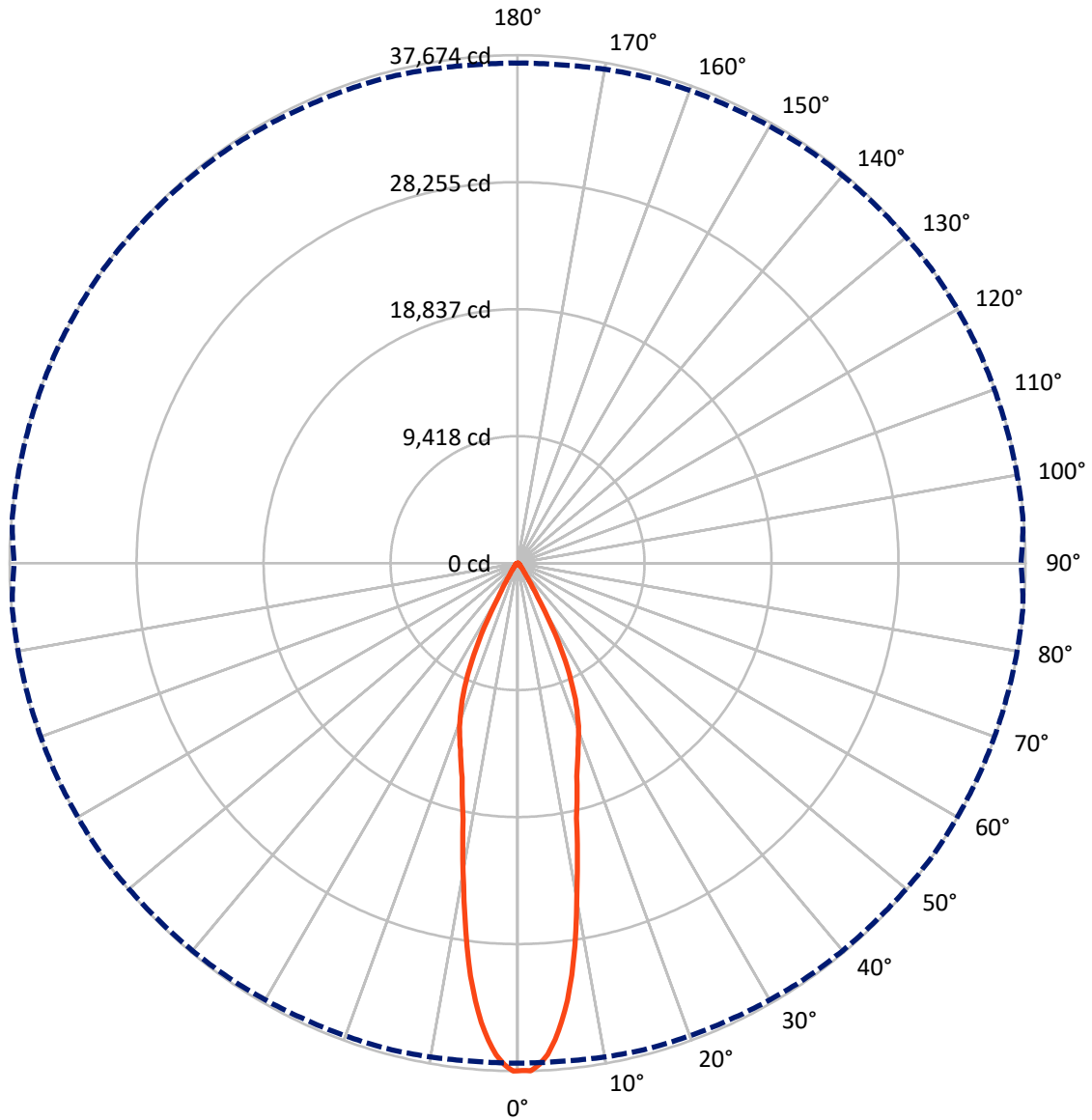
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 94.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 1-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6268.7	0.0	6268.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6268.7	0.0	6268.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	12537.3	0.0	12537.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2863.2	22.8
10°-20°	4676.3	37.3
20°-30°	3654.2	29.1
30°-40°	796.5	6.4
40°-50°	235.8	1.9
50°-60°	147.5	1.2
60°-70°	103.2	0.8
70°-80°	44.3	0.4
80°-90°	16.4	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°	12537.3	100.0
0°-180°	12537.3	100.0

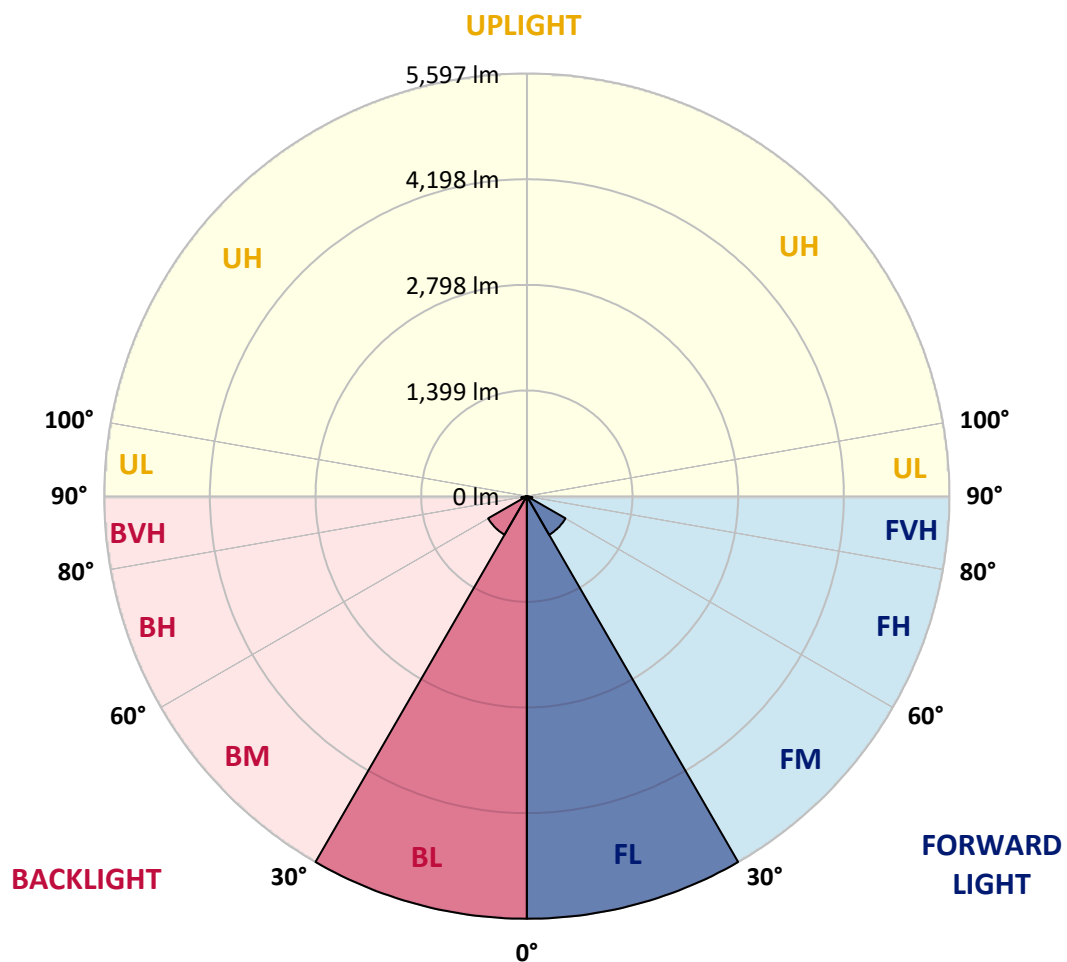


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5596.8	44.6			
FM (30°-60°)	589.9	4.7			
FH (60°-80°)	73.7	0.6			G0/660
FVH (80°-90°)	8.2	0.1			G0/10
BL (0°-30°)	5596.8	44.6	B5		
BM (30°-60°)	589.9	4.7	B1/1000		
BH (60°-80°)	73.7	0.6	B0/110		G0/660
BVH (80°-90°)	8.2	0.1			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°	37630.8	37630.8	37630.8	37630.8	37630.8	37630.8	37630.8	37630.8	37630.8	37630.8
1°	37086.1	37090.6	37292.6	37338.0	37476.5	37546.8	37673.9	37660.3	37621.7	37626.3
2°	36402.9	36373.4	36561.8	36770.6	36936.3	37072.5	37224.5	37256.3	37220.0	37254.0
3°	35279.4	35236.3	35499.6	35760.6	36048.8	36282.6	36511.9	36520.9	36477.8	36475.5
4°	33801.9	33722.5	34035.7	34500.9	34864.1	35175.0	35461.0	35456.5	35397.5	35445.1
5°	32015.7	31915.8	32322.1	32934.9	33472.8	33847.3	34162.8	34087.9	33951.7	33958.5
6°	29823.2	29920.8	30417.8	31278.0	31913.5	32224.5	32612.6	32471.9	32235.8	32210.9
7°	27762.4	27982.5	28379.7	29416.9	30172.7	30499.6	30828.7	30544.9	30224.9	30172.7
8°	25592.6	25960.3	26509.5	27465.0	28270.8	28599.9	28724.7	28420.6	28077.8	28064.2
9°	23833.6	24085.5	24557.6	25399.7	26219.0	26439.1	26466.4	26200.8	25858.1	25880.8
10°	22233.5	22281.2	22689.7	23413.7	24069.6	24226.2	24219.4	24026.5	23745.1	23820.0
12.5°	18652.0	18781.4	18899.4	19130.9	19351.0	19453.2	19414.6	19335.1	19180.8	19187.6
15°	16221.2	16218.9	16232.5	16339.2	16405.0	16416.4	16416.4	16316.5	16250.7	16348.3
17.5°	14076.4	14194.4	14405.5	14491.7	14578.0	14546.2	14487.2	14441.8	14398.7	14482.6
20°	12408.2	12460.4	12462.6	12519.4	12955.2	12977.9	12903.0	12773.6	12664.6	12644.2
22.5°	10531.2	10610.6	10644.7	10694.6	10740.0	11071.4	10982.8	10774.0	10644.7	10606.1
25°	7905.2	7878.0	8100.4	8508.9	8574.7	8615.6	8592.9	8484.0	8400.0	8415.9
27.5°	5463.0	5510.7	5501.6	5506.2	5939.7	5937.4	5930.6	5835.3	5810.3	5774.0
30°	3054.9	3032.3	3043.6	3014.1	2952.8	3027.7	2907.4	3009.6	2909.7	2941.5
32.5°	1806.6	1790.8	1774.9	1781.7	1736.3	1625.1	1577.4	1647.8	1625.1	1616.0
35°	1153.0	1159.8	1180.2	1177.9	1137.1	1073.5	1005.5	1069.0	1059.9	1032.7
37.5°	735.4	735.4	742.2	801.2	767.1	712.7	665.0	692.2	690.0	685.4
40°	522.0	522.0	531.1	547.0	528.8	501.6	474.4	474.4	478.9	465.3
42.5°	388.1	388.1	397.2	406.3	383.6	374.5	360.9	351.8	363.1	351.8
45°	304.1	301.9	304.1	299.6	286.0	286.0	274.6	261.0	274.6	267.8
47.5°	249.7	247.4	245.1	236.0	222.4	224.7	220.2	208.8	215.6	213.3
50°	217.9	213.3	215.6	206.5	195.2	192.9	192.9	181.6	183.8	183.8
52.5°	190.7	190.7	188.4	183.8	179.3	170.2	172.5	161.1	161.1	161.1
55°	179.3	179.3	174.8	165.7	168.0	161.1	154.3	147.5	145.3	145.3
57.5°	177.0	177.0	174.8	165.7	158.9	156.6	147.5	138.4	131.6	133.9
60°	172.5	172.5	168.0	165.7	154.3	149.8	136.2	129.4	120.3	120.3
62.5°	165.7	163.4	154.3	140.7	140.7	129.4	120.3	106.7	99.9	97.6
65°	140.7	138.4	131.6	120.3	113.5	106.7	93.1	79.4	74.9	68.1
67.5°	115.8	115.8	111.2	99.9	95.3	86.2	70.4	61.3	49.9	45.4
70°	95.3	95.3	90.8	84.0	79.4	68.1	54.5	45.4	34.0	29.5
72.5°	77.2	77.2	72.6	68.1	63.6	56.7	45.4	34.0	22.7	18.2
75°	61.3	61.3	59.0	54.5	49.9	45.4	36.3	27.2	15.9	9.1
77.5°	49.9	49.9	47.7	45.4	40.9	36.3	29.5	22.7	11.3	4.5
80°	38.6	38.6	38.6	38.6	34.0	29.5	25.0	18.2	9.1	2.3
82.5°	27.2	27.2	29.5	34.0	27.2	22.7	22.7	18.2	6.8	2.3
85°	18.2	20.4	22.7	20.4	18.2	18.2	31.8	29.5	6.8	2.3
87.5°	9.1	9.1	9.1	9.1	9.1	6.8	9.1	6.8	4.5	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
37630.8
37347.1
36986.2
36278.1
35220.4
33627.1
31879.5
29925.3
27567.2
25542.6
23556.7
18962.9
16121.3
14289.7
12512.6
10467.6
8361.4
5642.3
2980.1
1593.3
1003.2
676.4
460.7
349.5
267.8
213.3
186.1
161.1
143.0
133.9
113.5
93.1
65.8
43.1
27.2
15.9
6.8
4.5
2.3
2.3
2.3
0.0
0.0

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