

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: P636372

Luminaire Tested: **IFLD-S-SA6C-940-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636372
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-940-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (96) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28070.7 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

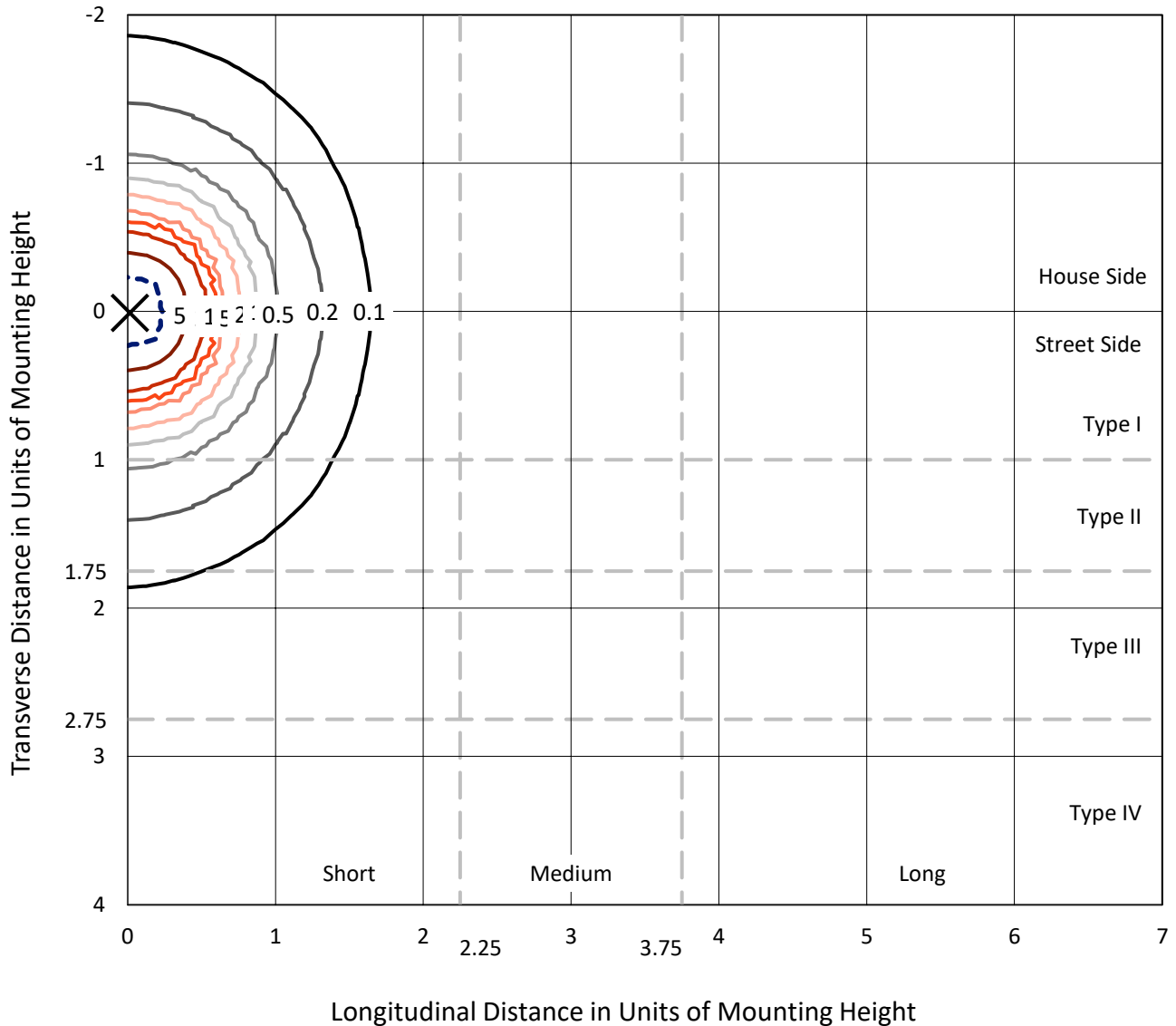
Input Watts (W): 321.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

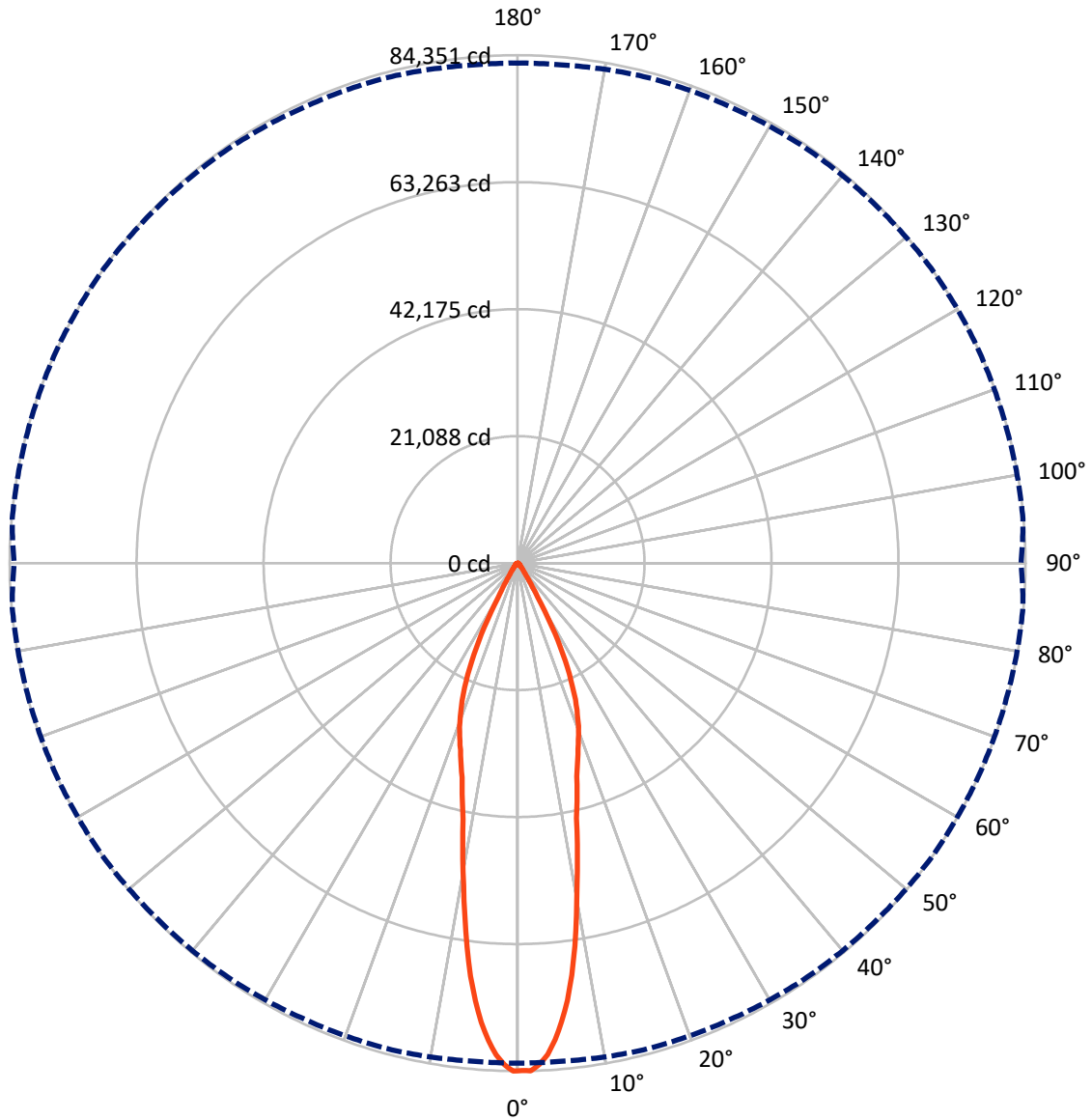
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 210.6 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	14035.3	0.0	14035.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14035.3	0.0	14035.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	28070.7	0.0	28070.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6410.5	22.8
10°-20°	10470.1	37.3
20°-30°	8181.7	29.1
30°-40°	1783.4	6.4
40°-50°	528.0	1.9
50°-60°	330.2	1.2
60°-70°	231.0	0.8
70°-80°	99.1	0.4
80°-90°	36.6	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°	28070.7	100.0
0°-180°	28070.7	100.0



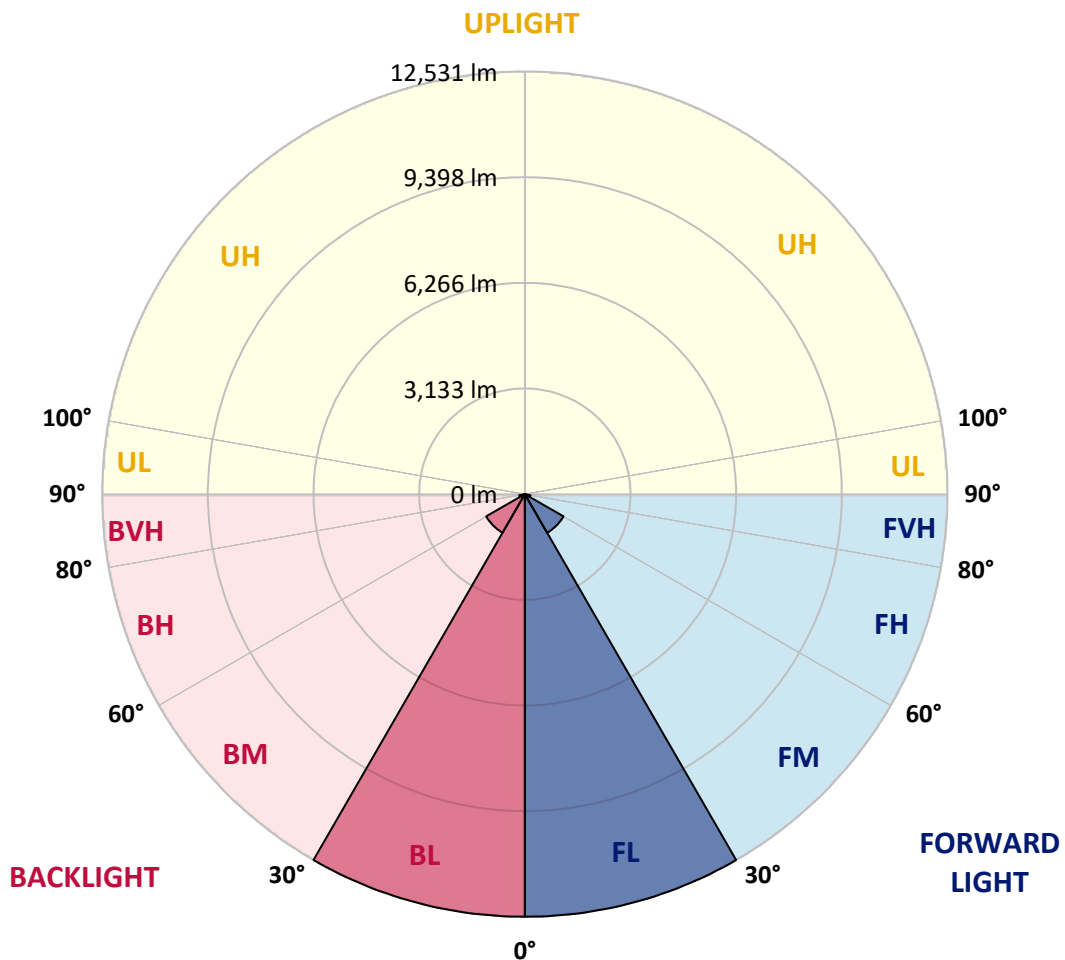
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	12531.2	44.6			
FM (30°-60°)	1320.8	4.7			
FH (60°-80°)	165.0	0.6			G0/660
FVH (80°-90°)	18.3	0.1			G1/100
BL (0°-30°)	12531.2	44.6	B5		
BM (30°-60°)	1320.8	4.7	B2/2500		
BH (60°-80°)	165.0	0.6	B1/500		G0/660
BVH (80°-90°)	18.3	0.1			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°	84254.4	84254.4	84254.4	84254.4	84254.4	84254.4	84254.4	84254.4	84254.4	84254.4
1°	83034.8	83044.9	83497.2	83598.8	83908.8	84066.4	84350.9	84320.4	84234.1	84244.2
2°	81505.2	81439.1	81860.9	82328.4	82699.4	83004.3	83344.8	83415.9	83334.6	83410.8
3°	78989.8	78893.2	79482.7	80067.1	80712.5	81235.9	81749.1	81769.4	81672.9	81667.8
4°	75681.6	75503.7	76205.0	77246.7	78059.8	78756.0	79396.3	79386.1	79254.0	79360.7
5°	71682.3	71458.7	72368.3	73740.4	74944.7	75783.2	76489.6	76321.9	76017.0	76032.2
6°	66773.4	66991.9	68104.8	70030.7	71453.6	72149.8	73018.8	72703.7	72175.2	72119.3
7°	62159.2	62652.1	63541.4	65863.8	67556.0	68287.7	69024.6	68389.4	67672.8	67556.0
8°	57301.1	58124.3	59354.1	61493.5	63297.5	64034.4	64313.8	63632.9	62865.6	62835.1
9°	53362.8	53926.9	54983.9	56869.2	58703.7	59196.6	59257.6	58663.0	57895.7	57946.5
10°	49780.2	49886.9	50801.6	52422.7	53891.3	54241.9	54226.7	53794.7	53164.6	53332.3
12.5°	41761.3	42051.0	42315.2	42833.5	43326.5	43555.1	43468.8	43290.9	42945.3	42960.6
15°	36318.8	36313.7	36344.2	36583.1	36730.4	36755.8	36755.8	36532.3	36384.9	36603.4
17.5°	31516.6	31780.9	32253.5	32446.6	32639.7	32568.5	32436.4	32334.8	32238.2	32426.3
20°	27781.6	27898.5	27903.5	28030.6	29006.3	29057.1	28889.4	28599.7	28355.8	28310.1
22.5°	23579.0	23756.9	23833.1	23944.9	24046.5	24788.5	24590.3	24122.8	23833.1	23746.7
25°	17699.5	17638.5	18136.5	19051.2	19198.6	19290.1	19239.3	18995.3	18807.3	18842.9
27.5°	12231.6	12338.3	12318.0	12328.2	13298.8	13293.7	13278.5	13065.0	13009.1	12927.8
30°	6840.0	6789.1	6814.5	6748.5	6611.3	6779.0	6509.6	6738.3	6514.7	6585.9
32.5°	4045.0	4009.5	3973.9	3989.1	3887.5	3638.5	3531.8	3689.3	3638.5	3618.2
35°	2581.5	2596.7	2642.5	2637.4	2545.9	2403.6	2251.2	2393.5	2373.1	2312.2
37.5°	1646.5	1646.5	1661.7	1793.8	1717.6	1595.7	1488.9	1549.9	1544.8	1534.7
40°	1168.8	1168.8	1189.1	1224.7	1184.0	1123.1	1062.1	1062.1	1072.2	1041.7
42.5°	869.0	869.0	889.3	909.6	858.8	838.5	808.0	787.7	813.1	787.7
45°	680.9	675.9	680.9	670.8	640.3	640.3	614.9	584.4	614.9	599.6
47.5°	559.0	553.9	548.8	528.5	498.0	503.1	492.9	467.5	482.8	477.7
50°	487.8	477.7	482.8	462.4	437.0	431.9	431.9	406.5	411.6	411.6
52.5°	426.9	426.9	421.8	411.6	401.5	381.1	386.2	360.8	360.8	360.8
55°	401.5	401.5	391.3	371.0	376.0	360.8	345.6	330.3	325.2	325.2
57.5°	396.4	396.4	391.3	371.0	355.7	350.6	330.3	310.0	294.7	299.8
60°	386.2	386.2	376.0	371.0	345.6	335.4	304.9	289.7	269.3	269.3
62.5°	371.0	365.9	345.6	315.1	315.1	289.7	269.3	238.8	223.6	218.5
65°	315.1	310.0	294.7	269.3	254.1	238.8	208.3	177.9	167.7	152.5
67.5°	259.2	259.2	249.0	223.6	213.4	193.1	157.5	137.2	111.8	101.6
70°	213.4	213.4	203.3	188.0	177.9	152.5	122.0	101.6	76.2	66.1
72.5°	172.8	172.8	162.6	152.5	142.3	127.0	101.6	76.2	50.8	40.7
75°	137.2	137.2	132.1	122.0	111.8	101.6	81.3	61.0	35.6	20.3
77.5°	111.8	111.8	106.7	101.6	91.5	81.3	66.1	50.8	25.4	10.2
80°	86.4	86.4	86.4	86.4	76.2	66.1	55.9	40.7	20.3	5.1
82.5°	61.0	61.0	66.1	76.2	61.0	50.8	50.8	40.7	15.2	5.1
85°	40.7	45.7	50.8	45.7	40.7	40.7	71.1	66.1	15.2	5.1
87.5°	20.3	20.3	20.3	20.3	20.3	15.2	20.3	15.2	10.2	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°
84254.4
83619.2
82811.2
81225.7
78857.6
75290.3
71377.4
67002.1
61722.2
57189.3
52742.8
42457.5
36095.2
31994.3
28015.3
23436.7
18720.9
12633.1
6672.3
3567.3
2246.1
1514.3
1031.6
782.6
599.6
477.7
416.7
360.8
320.1
299.8
254.1
208.3
147.4
96.6
61.0
35.6
15.2
10.2
5.1
5.1
5.1
0.0
0.0

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