

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: P636082

Luminaire Tested: **IFLD-S-SA6C-940-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636082
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-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (96) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28530.6 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

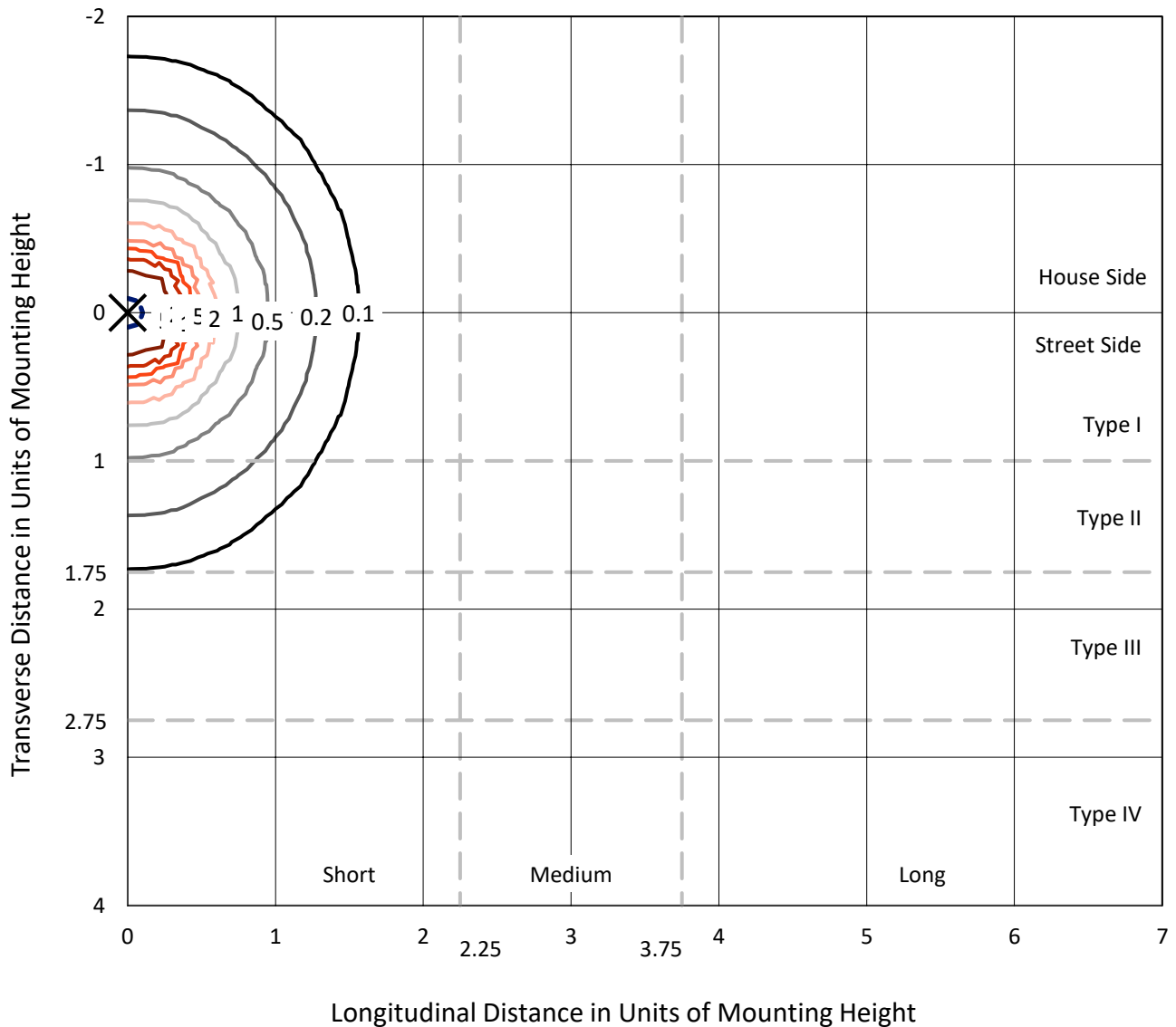
Input Watts (W): 321.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

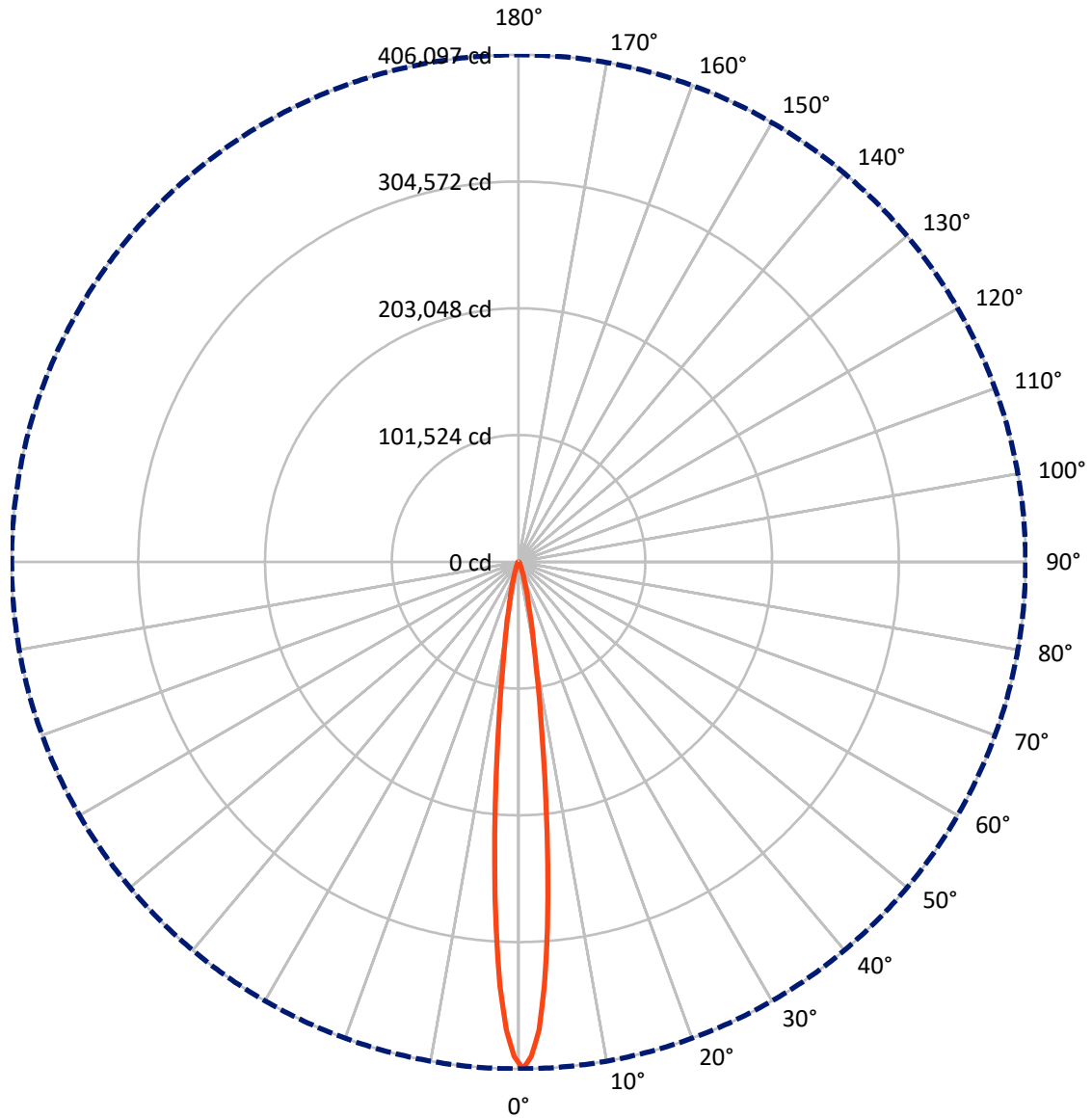
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1015.2 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	14265.3	0.0	14265.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14265.3	0.0	14265.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	28530.6	0.0	28530.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17391.7	61.0
10°-20°	7791.6	27.3
20°-30°	1740.0	6.1
30°-40°	567.9	2.0
40°-50°	391.7	1.4
50°-60°	295.9	1.0
60°-70°	202.5	0.7
70°-80°	106.6	0.4
80°-90°	42.6	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°	28530.6	100.0
0°-180°	28530.6	100.0

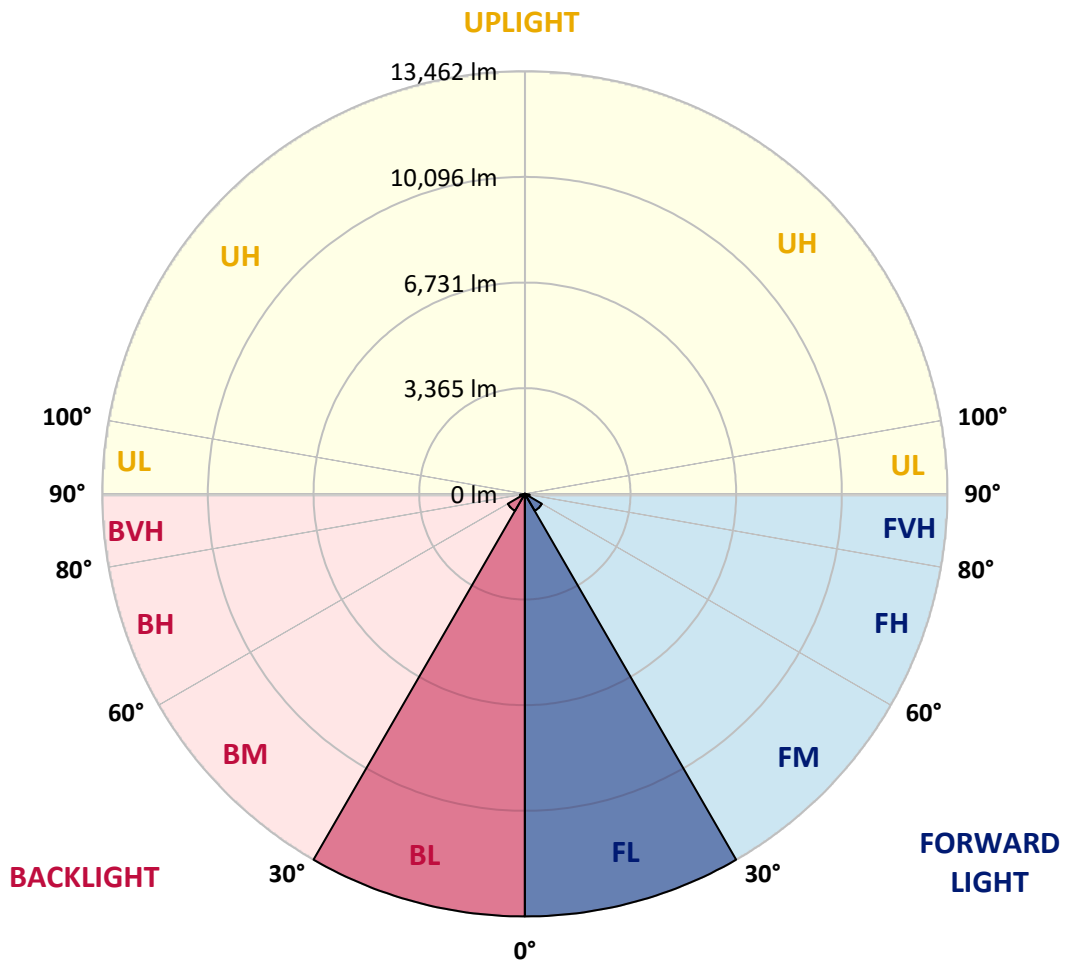


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	13461.7	47.2			
FM (30°-60°)	627.8	2.2			
FH (60°-80°)	154.6	0.5			G0/660
FVH (80°-90°)	21.3	0.1			G1/100
BL (0°-30°)	13461.7	47.2	B5		
BM (30°-60°)	627.8	2.2	B1/1000		
BH (60°-80°)	154.6	0.5	B1/500		G0/660
BVH (80°-90°)	21.3	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°	406096.5	406096.5	406096.5	406096.5	406096.5	406096.5	406096.5	406096.5	406096.5	406096.5
1°	396014.1	396552.8	395953.1	398981.9	400232.1	400882.5	400958.8	402666.3	401350.1	401716.0
2°	375142.9	376342.2	374334.9	376276.2	380158.7	381627.4	379233.8	382191.5	381134.4	381749.3
3°	340073.0	341541.7	338767.0	341140.2	346135.7	347253.7	343330.5	347533.2	347426.5	348310.7
4°	294869.9	297253.2	293289.4	296099.7	298310.3	302203.0	298401.7	303183.8	303092.3	304627.0
5°	243558.3	246134.8	242689.3	245606.3	247700.0	249148.4	247755.9	253046.1	253381.5	254967.1
6°	193349.5	195753.3	191906.3	194691.1	198009.6	198604.2	198243.4	202796.7	203808.0	202573.1
7°	148801.9	149401.6	148796.9	151327.6	153990.5	154087.1	154554.6	158559.1	159448.4	159021.6
8°	113960.7	111216.5	113574.5	114916.1	115739.4	119520.3	119799.8	121817.3	123453.6	123570.5
9°	86747.4	84206.4	86935.4	87469.0	89359.4	92718.5	92296.7	94502.3	95528.8	95462.7
10°	66135.3	64844.5	66211.6	66801.1	68356.1	71201.9	71694.9	72706.2	73468.5	73966.5
12.5°	35888.1	36187.9	36980.7	37600.7	39694.4	40451.6	40756.5	40842.9	40837.8	40919.1
15°	22294.1	22538.0	23092.0	24215.1	25490.6	26430.8	26562.9	26075.0	25653.2	25587.2
17.5°	13904.0	13807.4	15108.4	16338.2	17872.9	18360.8	17852.6	17293.6	16719.3	16389.0
20°	8344.4	8410.5	8852.6	9401.4	10641.4	11485.0	10956.5	10387.3	9792.7	9401.4
22.5°	4741.4	4812.5	5005.6	5290.2	5762.8	6530.2	6194.8	5620.5	5198.7	5026.0
25°	2800.1	2800.1	2917.0	3044.0	3242.2	3420.1	3348.9	3044.0	2795.0	2723.9
27.5°	1814.2	1799.0	1839.6	1900.6	1992.1	2002.3	1920.9	1829.5	1702.4	1656.7
30°	1326.4	1331.4	1326.4	1351.8	1346.7	1311.1	1260.3	1265.4	1214.6	1209.5
32.5°	1077.4	1082.4	1082.4	1077.4	1051.9	996.0	960.5	996.0	985.9	975.7
35°	894.4	899.5	950.3	945.2	904.6	843.6	818.2	858.8	889.3	843.6
37.5°	772.4	777.5	818.2	838.5	787.7	747.0	716.5	752.1	797.9	747.0
40°	681.0	686.1	696.2	701.3	675.9	655.6	640.3	650.5	670.8	645.4
42.5°	599.7	594.6	599.7	594.6	564.1	574.3	564.1	548.8	564.1	543.8
45°	523.4	523.4	523.4	508.2	477.7	498.0	487.9	472.6	477.7	462.4
47.5°	477.7	477.7	477.7	457.4	432.0	432.0	437.0	411.6	416.7	411.6
50°	432.0	432.0	442.1	421.8	401.5	386.2	391.3	371.0	376.1	371.0
52.5°	396.4	396.4	396.4	386.2	371.0	360.8	350.6	340.5	335.4	330.3
55°	381.1	381.1	376.1	345.6	340.5	330.3	310.0	304.9	294.7	289.7
57.5°	355.7	355.7	350.6	325.2	304.9	304.9	274.4	269.3	254.1	254.1
60°	315.1	315.1	310.0	304.9	279.5	264.3	243.9	233.8	218.5	213.4
62.5°	299.8	299.8	289.7	264.3	259.2	233.8	213.4	193.1	182.9	172.8
65°	279.5	274.4	269.3	243.9	223.6	208.4	182.9	157.5	147.4	127.0
67.5°	249.0	249.0	243.9	223.6	203.3	177.9	152.5	132.1	106.7	91.5
70°	218.5	213.4	213.4	193.1	177.9	157.5	122.0	101.6	76.2	61.0
72.5°	182.9	182.9	177.9	162.6	152.5	137.2	106.7	81.3	50.8	40.7
75°	147.4	147.4	142.3	132.1	127.0	111.8	91.5	71.1	40.7	20.3
77.5°	122.0	116.9	116.9	106.7	101.6	91.5	76.2	55.9	30.5	15.2
80°	91.5	91.5	96.6	91.5	81.3	76.2	66.1	50.8	25.4	10.2
82.5°	66.1	66.1	71.1	71.1	71.1	66.1	66.1	50.8	25.4	5.1
85°	45.7	45.7	55.9	50.8	50.8	55.9	81.3	66.1	20.3	5.1
87.5°	25.4	25.4	25.4	20.3	20.3	25.4	30.5	25.4	10.2	5.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
406096.5
399027.7
379554.0
345937.5
301933.6
251938.3
202700.2
158437.2
122096.8
97017.8
74261.2
40985.2
25383.9
16338.2
9487.8
5046.3
2713.7
1656.7
1204.4
955.4
833.4
742.0
635.2
543.8
462.4
411.6
371.0
330.3
284.6
254.1
203.3
167.7
122.0
91.5
61.0
35.6
20.3
10.2
5.1
5.1
5.1
5.1
0.0

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