

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: P636227

Luminaire Tested: **IFLD-S-SA6C-940-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636227
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-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (96) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28733.4 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

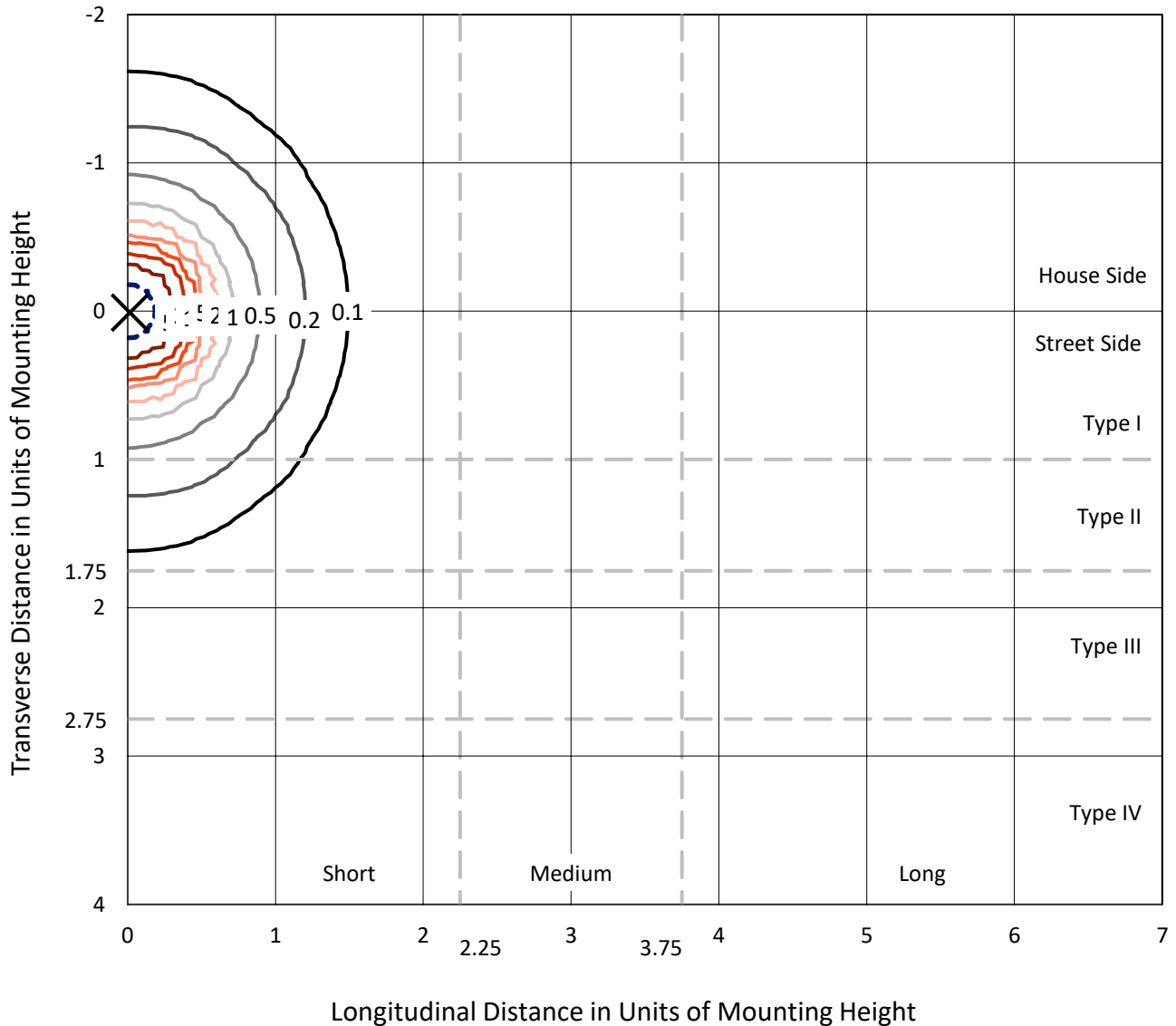
Input Watts (W): 321.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

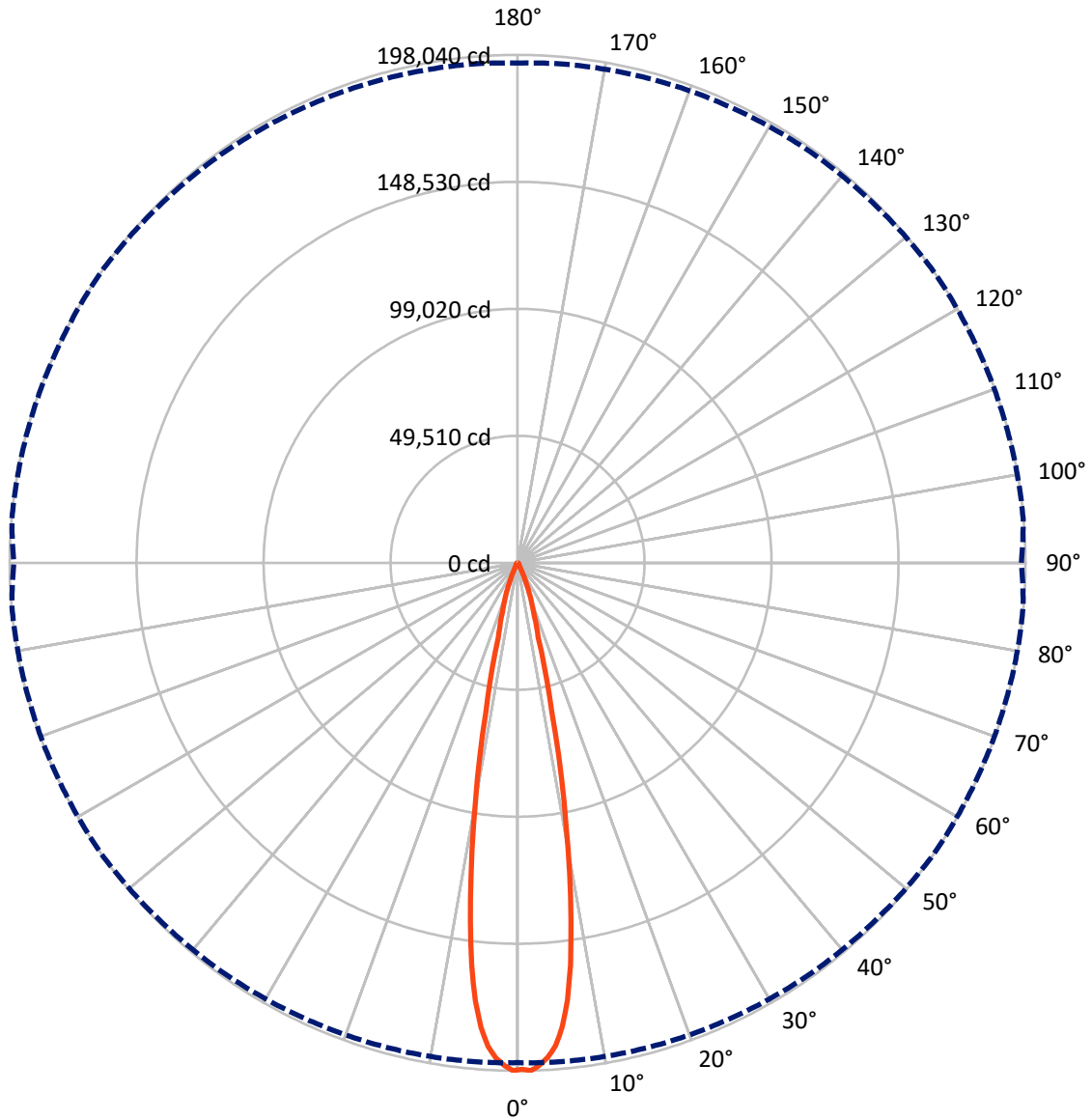
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 493.8 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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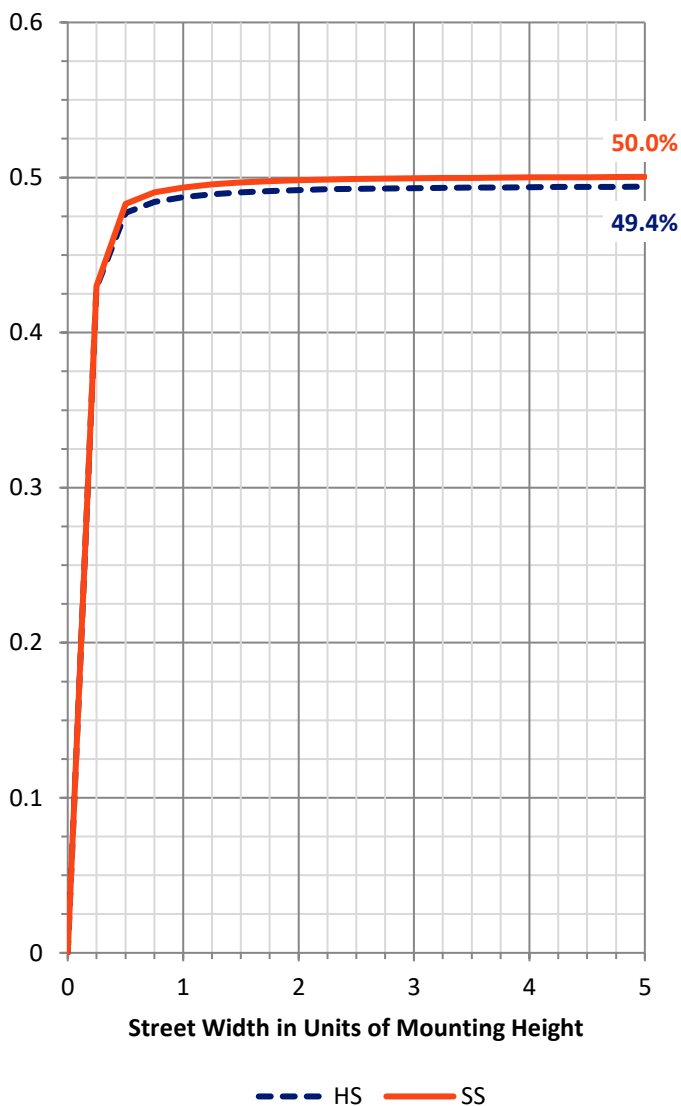
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14366.7	0.0	14366.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14366.7	0.0	14366.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	28733.4	0.0	28733.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14598.7	50.8
10°-20°	10346.3	36.0
20°-30°	2424.3	8.4
30°-40°	506.7	1.8
40°-50°	326.9	1.1
50°-60°	242.1	0.8
60°-70°	164.6	0.6
70°-80°	87.8	0.3
80°-90°	36.0	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°	28733.4	100.0
0°-180°	28733.4	100.0

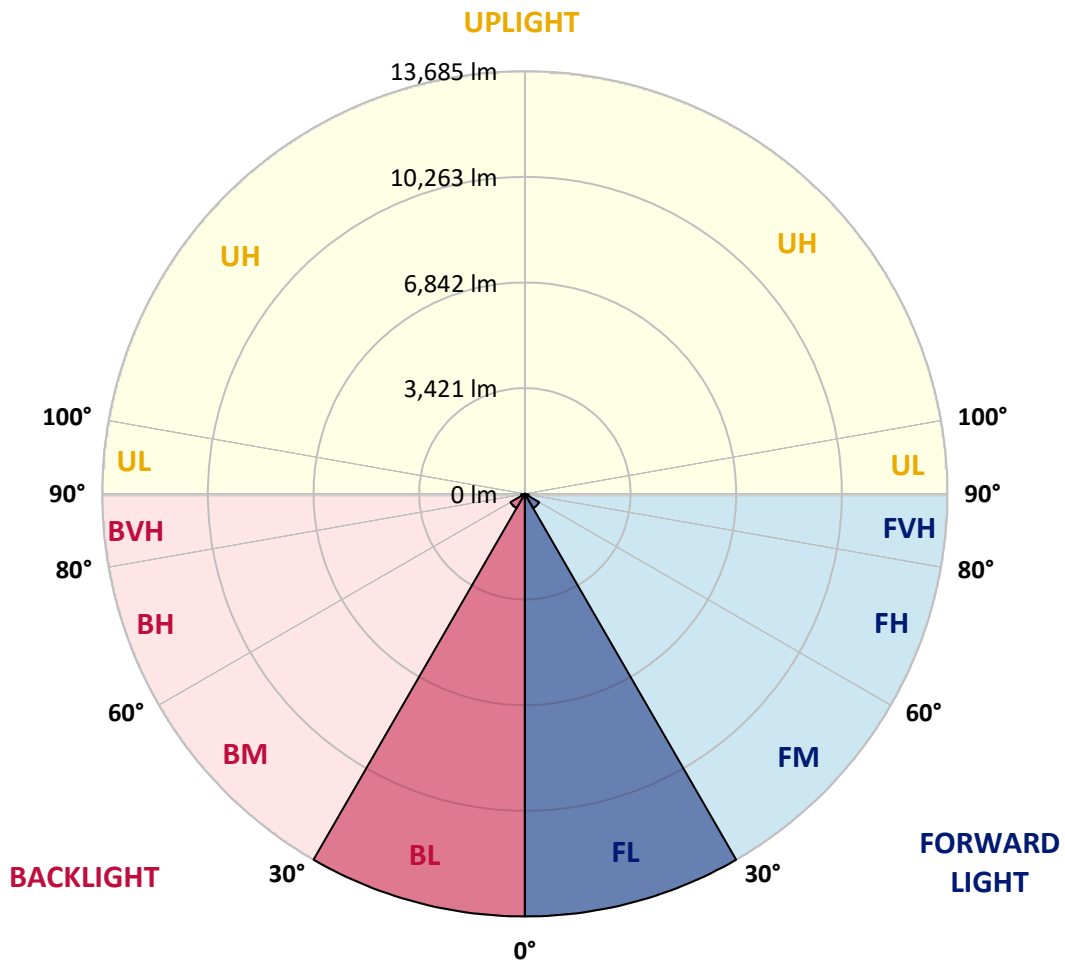


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	13684.6	47.6			
FM (30°-60°)	537.9	1.9			
FH (60°-80°)	126.2	0.4			G0/660
FVH (80°-90°)	18.0	0.1			G1/100
BL (0°-30°)	13684.6	47.6	B5		
BM (30°-60°)	537.9	1.9	B1/1000		
BH (60°-80°)	126.2	0.4	B1/500		G0/660
BVH (80°-90°)	18.0	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°	197531.6	197531.6	197531.6	197531.6	197531.6	197531.6	197531.6	197531.6	197531.6	197531.6
1°	194874.0	195234.8	195676.8	196078.3	196683.0	197175.9	198039.7	197856.8	197831.4	197866.9
2°	191098.4	191550.7	192231.6	192633.0	194193.1	194833.3	196139.2	196525.4	196215.5	196566.1
3°	185442.8	185813.7	186880.8	187668.5	189690.9	191418.6	193166.6	193745.9	193385.1	193547.7
4°	178709.8	179091.0	180381.6	181987.4	184909.2	186824.9	188918.5	189436.8	188257.9	188339.2
5°	170696.4	170874.2	172454.6	173918.0	177414.1	179736.3	181723.1	181885.8	180808.5	180396.9
6°	161681.9	161361.7	162815.0	163435.0	167779.6	170147.6	171600.9	171412.9	170594.8	170244.1
7°	150970.2	150533.2	151707.0	151371.6	155218.3	156569.9	157967.3	157327.1	156676.6	157484.6
8°	138576.5	138332.6	137575.4	138947.4	139709.6	140919.0	140913.9	140543.0	140522.7	141869.3
9°	120557.6	122808.7	122143.0	123581.1	123388.0	123332.1	122961.2	122722.3	121706.0	123255.9
10°	100770.4	102244.0	103367.0	105511.4	105094.7	105684.2	103621.1	103971.7	103295.9	104576.4
12.5°	52161.2	53817.7	54788.3	56424.5	58223.4	60062.8	59468.3	58853.5	57933.7	59061.8
15°	25676.6	26332.1	26642.1	28303.7	29584.3	30046.7	30117.8	29574.1	29340.3	29584.3
17.5°	15757.6	15986.3	16885.7	18796.3	19904.1	20178.5	20000.6	19406.1	18740.4	18460.9
20°	11407.9	11473.9	11814.4	12185.3	13664.0	14436.4	14151.9	13567.5	12952.6	12663.0
22.5°	7449.4	7515.5	7627.3	7830.5	8226.9	9182.2	8872.2	8475.9	8059.2	7972.8
25°	4217.6	4217.6	4334.5	4542.8	4837.5	4908.7	4969.7	4547.9	4354.8	4268.4
27.5°	2352.7	2368.0	2393.4	2474.7	2622.0	2606.8	2540.7	2428.9	2296.8	2159.6
30°	1300.9	1316.1	1331.3	1351.7	1377.1	1331.3	1290.7	1270.4	1214.5	1199.2
32.5°	975.6	975.6	985.8	980.7	955.3	899.4	874.0	904.5	899.4	874.0
35°	802.9	802.9	813.0	833.4	782.5	741.9	721.6	762.2	762.2	747.0
37.5°	655.5	660.6	665.7	691.1	675.8	630.1	625.0	635.2	640.3	635.2
40°	574.2	569.1	569.1	574.2	564.0	553.9	543.7	538.6	543.7	538.6
42.5°	498.0	492.9	503.1	492.9	472.6	477.7	477.7	462.4	467.5	457.3
45°	437.0	431.9	437.0	426.8	411.6	416.7	416.7	396.4	396.4	391.3
47.5°	386.2	386.2	386.2	391.3	365.9	360.8	365.9	360.8	345.5	340.5
50°	335.4	340.5	345.5	355.7	330.3	320.1	320.1	320.1	310.0	304.9
52.5°	310.0	315.1	315.1	315.1	299.8	289.6	289.6	284.6	279.5	274.4
55°	299.8	299.8	299.8	279.5	274.4	269.3	254.1	249.0	243.9	243.9
57.5°	284.6	284.6	279.5	264.2	249.0	249.0	228.7	223.6	218.5	218.5
60°	254.1	254.1	254.1	249.0	228.7	223.6	203.3	193.1	188.0	188.0
62.5°	233.7	233.7	233.7	213.4	208.3	193.1	177.9	162.6	157.5	147.4
65°	213.4	213.4	213.4	193.1	182.9	167.7	147.4	132.1	122.0	106.7
67.5°	198.2	198.2	193.1	177.9	162.6	142.3	122.0	106.7	86.4	76.2
70°	172.8	172.8	167.7	157.5	142.3	127.0	101.6	81.3	66.1	50.8
72.5°	147.4	147.4	142.3	132.1	122.0	106.7	86.4	71.1	45.7	35.6
75°	122.0	122.0	116.9	106.7	101.6	91.5	76.2	55.9	35.6	15.2
77.5°	101.6	101.6	96.5	91.5	86.4	76.2	66.1	45.7	25.4	10.2
80°	76.2	81.3	81.3	81.3	71.1	66.1	61.0	45.7	20.3	5.1
82.5°	55.9	61.0	61.0	61.0	55.9	50.8	55.9	40.7	20.3	5.1
85°	40.7	40.7	45.7	45.7	45.7	45.7	61.0	45.7	15.2	5.1
87.5°	20.3	20.3	20.3	20.3	20.3	25.4	30.5	25.4	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°
197531.6
196449.2
195234.8
192328.2
187129.8
179538.1
169456.5
157235.6
138134.4
120364.5
101293.8
56007.8
28446.0
18069.7
12439.4
7795.0
4197.3
2164.7
1199.2
858.8
741.9
635.2
543.7
462.4
391.3
340.5
299.8
269.3
238.8
218.5
182.9
137.2
106.7
71.1
50.8
30.5
15.2
5.1
5.1
5.1
5.1
0.0
0.0

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