

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: P636228

Luminaire Tested: **IFLD-S-SA6D-940-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636228
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-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: 31617 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

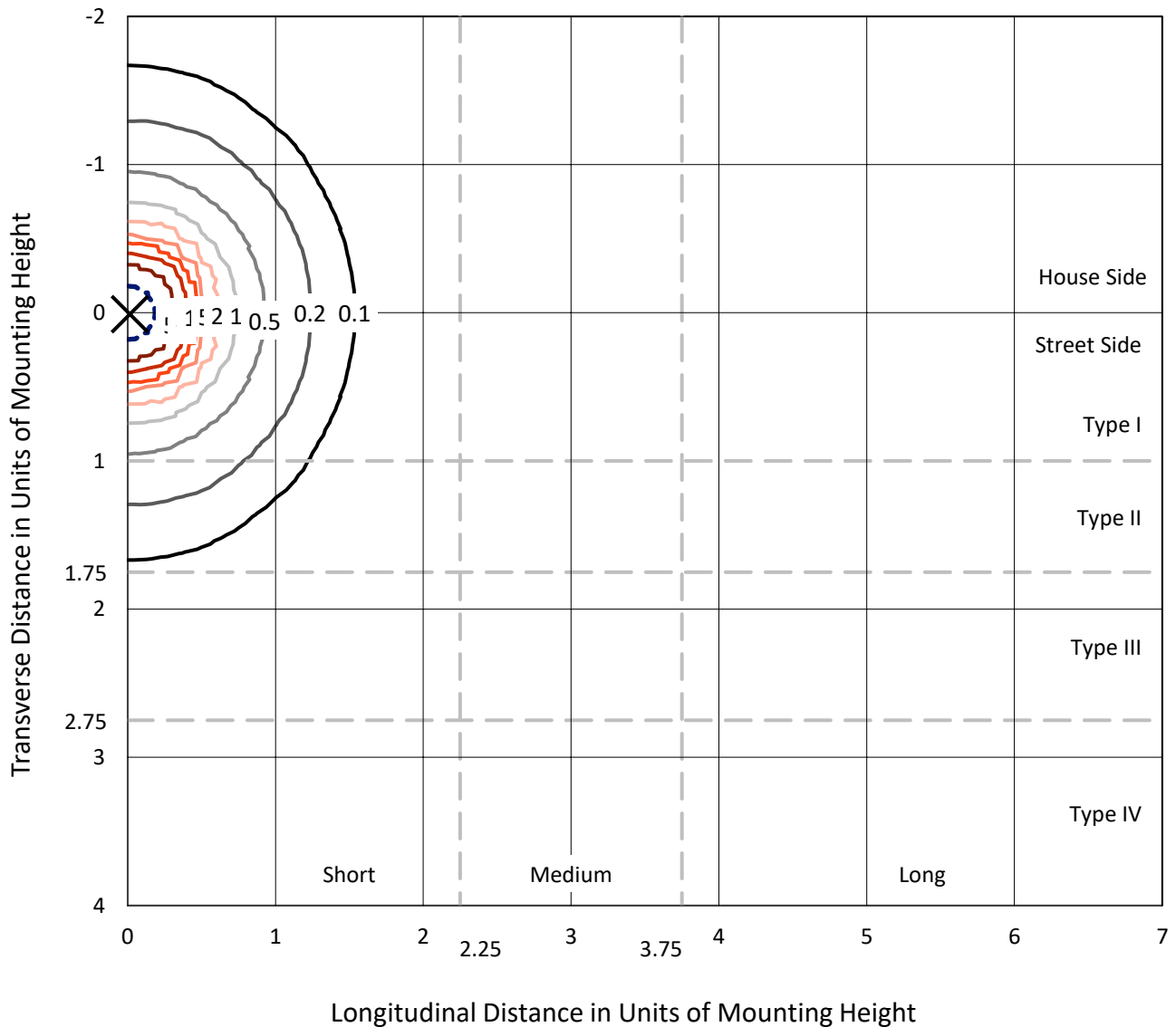
Input Watts (W): 368.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

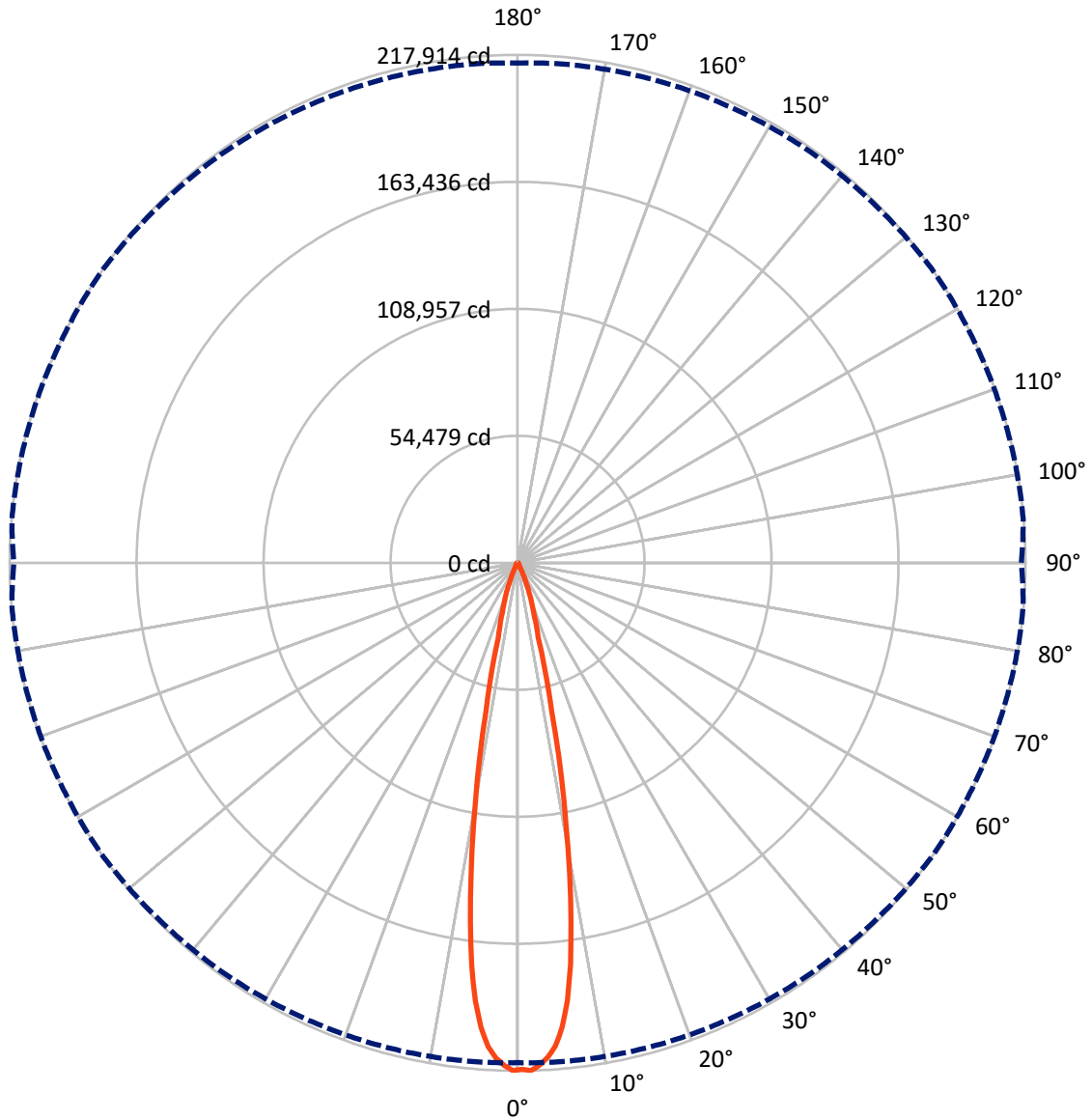
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 543.4 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	15808.5	0.0	15808.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15808.5	0.0	15808.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	31617.0	0.0	31617.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16063.8	50.8
10°-20°	11384.6	36.0
20°-30°	2667.6	8.4
30°-40°	557.5	1.8
40°-50°	359.7	1.1
50°-60°	266.4	0.8
60°-70°	181.1	0.6
70°-80°	96.7	0.3
80°-90°	39.6	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°	31617.0	100.0
0°-180°	31617.0	100.0

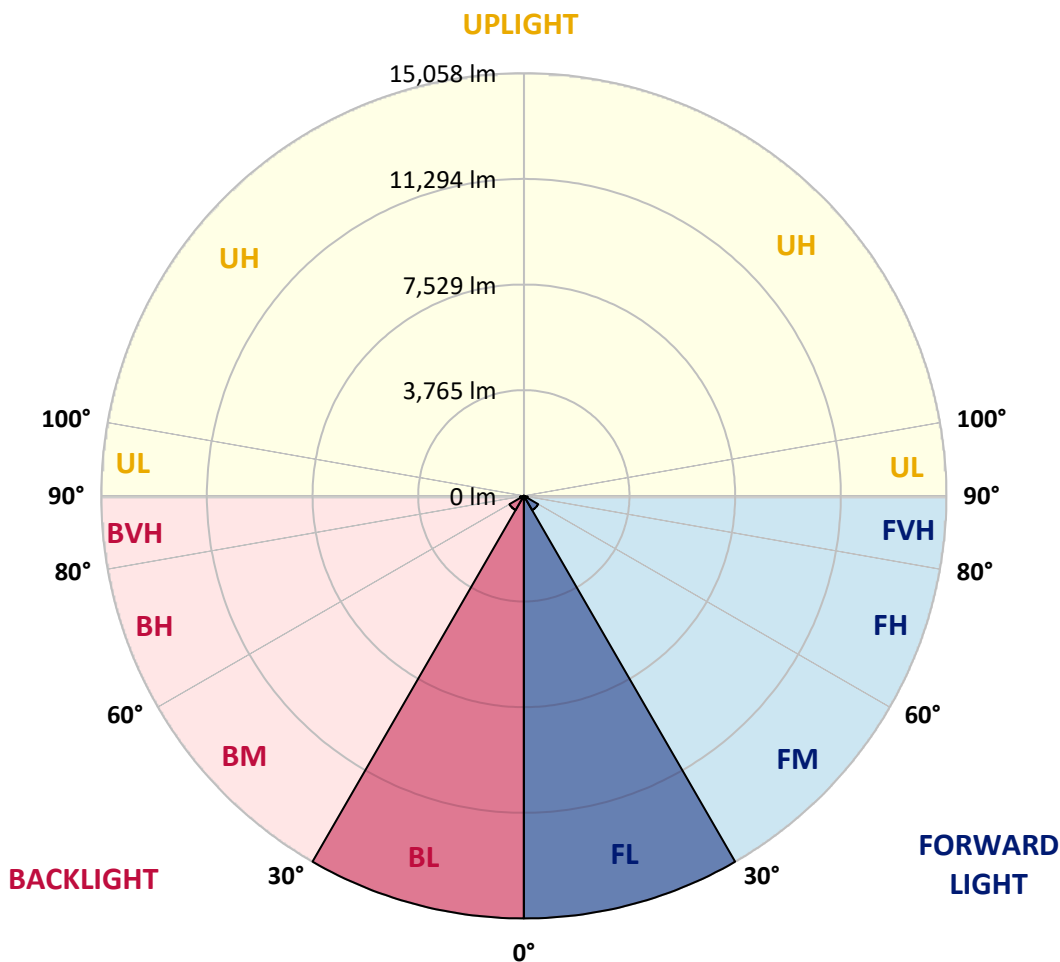


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	15058.0	47.6			
FM (30°-60°)	591.8	1.9			
FH (60°-80°)	138.9	0.4			G0/660
FVH (80°-90°)	19.8	0.1			G1/100
BL (0°-30°)	15058.0	47.6	B5		
BM (30°-60°)	591.8	1.9	B1/1000		
BH (60°-80°)	138.9	0.4	B1/500		G0/660
BVH (80°-90°)	19.8	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°	217355.3	217355.3	217355.3	217355.3	217355.3	217355.3	217355.3	217355.3	217355.3	217355.3
1°	214430.9	214827.9	215314.4	215756.1	216421.5	216963.9	217914.4	217713.1	217685.2	217724.3
2°	210276.5	210774.2	211523.4	211965.1	213681.7	214386.2	215823.2	216248.2	215907.1	216292.9
3°	204053.3	204461.4	205635.6	206502.3	208727.7	210628.8	212552.2	213189.7	212792.7	212971.6
4°	196644.6	197064.0	198484.2	200251.1	203466.2	205574.1	207877.8	208448.1	207150.9	207240.4
5°	187827.0	188022.7	189761.6	191371.9	195218.8	197774.1	199960.4	200139.3	198953.9	198501.0
6°	177907.8	177555.5	179154.7	179836.8	184617.5	187223.1	188822.2	188615.4	187715.1	187329.3
7°	166121.1	165640.2	166931.8	166562.8	170795.5	172282.8	173820.5	173115.9	172400.2	173289.3
8°	152483.6	152215.2	151382.1	152891.8	153730.5	155061.3	155055.7	154647.5	154625.1	156106.8
9°	132656.4	135133.4	134401.0	135983.3	135770.9	135709.3	135301.2	135038.4	133920.1	135625.5
10°	110883.4	112505.0	113740.7	116100.2	115641.7	116290.3	114020.2	114406.0	113662.4	115071.4
12.5°	57395.9	59218.7	60286.7	62087.1	64066.5	66090.6	65436.4	64759.8	63747.8	64989.1
15°	28253.4	28974.7	29315.8	31144.2	32553.2	33062.1	33140.3	32542.1	32284.9	32553.2
17.5°	17339.0	17590.6	18580.3	20682.7	21901.6	22203.5	22007.8	21353.6	20621.2	20313.6
20°	12552.7	12625.4	13000.1	13408.2	15035.3	15885.2	15572.1	14929.1	14252.5	13933.8
22.5°	8197.0	8269.7	8392.7	8616.4	9052.5	10103.7	9762.6	9326.5	8868.0	8772.9
25°	4640.9	4640.9	4769.5	4998.7	5323.0	5401.3	5468.4	5004.3	4791.8	4696.8
27.5°	2588.8	2605.6	2633.6	2723.0	2885.2	2868.4	2795.7	2672.7	2527.3	2376.4
30°	1431.4	1448.2	1465.0	1487.3	1515.3	1465.0	1420.2	1397.9	1336.3	1319.6
32.5°	1073.6	1073.6	1084.7	1079.1	1051.2	989.7	961.7	995.3	989.7	961.7
35°	883.4	883.4	894.6	917.0	861.1	816.3	794.0	838.7	838.7	821.9
37.5°	721.3	726.9	732.5	760.4	743.7	693.3	687.7	698.9	704.5	698.9
40°	631.8	626.2	626.2	631.8	620.6	609.5	598.3	592.7	598.3	592.7
42.5°	548.0	542.4	553.6	542.4	520.0	525.6	525.6	508.8	514.4	503.2
45°	480.9	475.3	480.9	469.7	452.9	458.5	458.5	436.1	436.1	430.5
47.5°	424.9	424.9	424.9	430.5	402.6	397.0	402.6	397.0	380.2	374.6
50°	369.0	374.6	380.2	391.4	363.4	352.3	352.3	352.3	341.1	335.5
52.5°	341.1	346.7	346.7	346.7	329.9	318.7	318.7	313.1	307.5	301.9
55°	329.9	329.9	329.9	307.5	301.9	296.3	279.6	274.0	268.4	268.4
57.5°	313.1	313.1	307.5	290.8	274.0	274.0	251.6	246.0	240.4	240.4
60°	279.6	279.6	279.6	274.0	251.6	246.0	223.7	212.5	206.9	206.9
62.5°	257.2	257.2	257.2	234.8	229.2	212.5	195.7	178.9	173.3	162.2
65°	234.8	234.8	234.8	212.5	201.3	184.5	162.2	145.4	134.2	117.4
67.5°	218.1	218.1	212.5	195.7	178.9	156.6	134.2	117.4	95.1	83.9
70°	190.1	190.1	184.5	173.3	156.6	139.8	111.8	89.5	72.7	55.9
72.5°	162.2	162.2	156.6	145.4	134.2	117.4	95.1	78.3	50.3	39.1
75°	134.2	134.2	128.6	117.4	111.8	100.6	83.9	61.5	39.1	16.8
77.5°	111.8	111.8	106.2	100.6	95.1	83.9	72.7	50.3	28.0	11.2
80°	83.9	89.5	89.5	89.5	78.3	72.7	67.1	50.3	22.4	5.6
82.5°	61.5	67.1	67.1	67.1	61.5	55.9	61.5	44.7	22.4	5.6
85°	44.7	44.7	50.3	50.3	50.3	50.3	67.1	50.3	16.8	5.6
87.5°	22.4	22.4	22.4	22.4	22.4	28.0	33.5	28.0	11.2	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°
217355.3
216164.3
214827.9
211629.6
205909.6
197556.0
186462.7
173015.3
151997.2
132444.0
111459.4
61628.6
31300.8
19883.1
13687.8
8577.2
4618.5
2381.9
1319.6
944.9
816.3
698.9
598.3
508.8
430.5
374.6
329.9
296.3
262.8
240.4
201.3
151.0
117.4
78.3
55.9
33.5
16.8
5.6
5.6
5.6
5.6
0.0
0.0

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