

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: P636026

Luminaire Tested: **IFLD-S-SA6E-930-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636026
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-930-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (96) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32178.5 lumens
Efficiency: N/A
Efficacy: 69.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

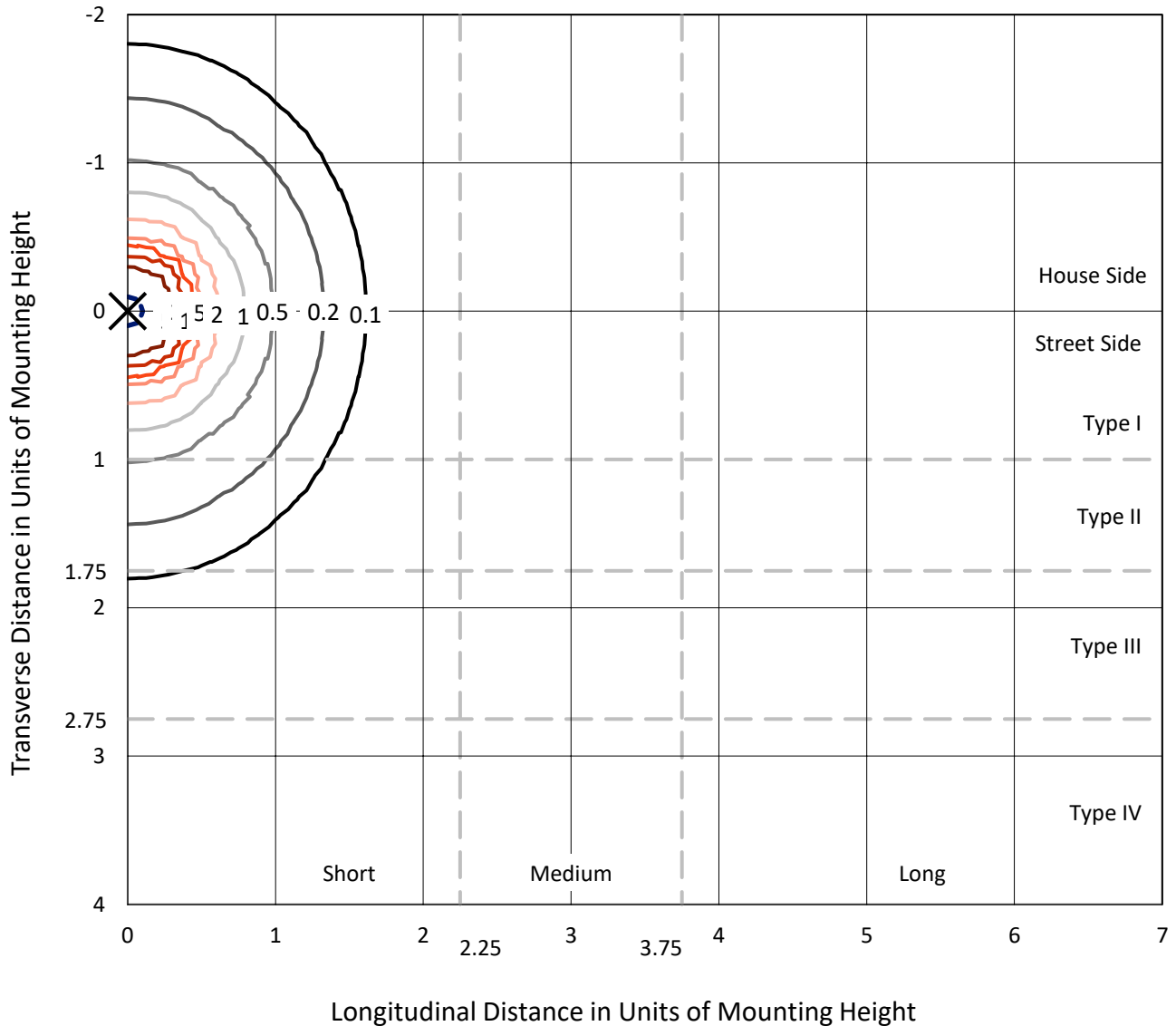
Input Watts (W): 464.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

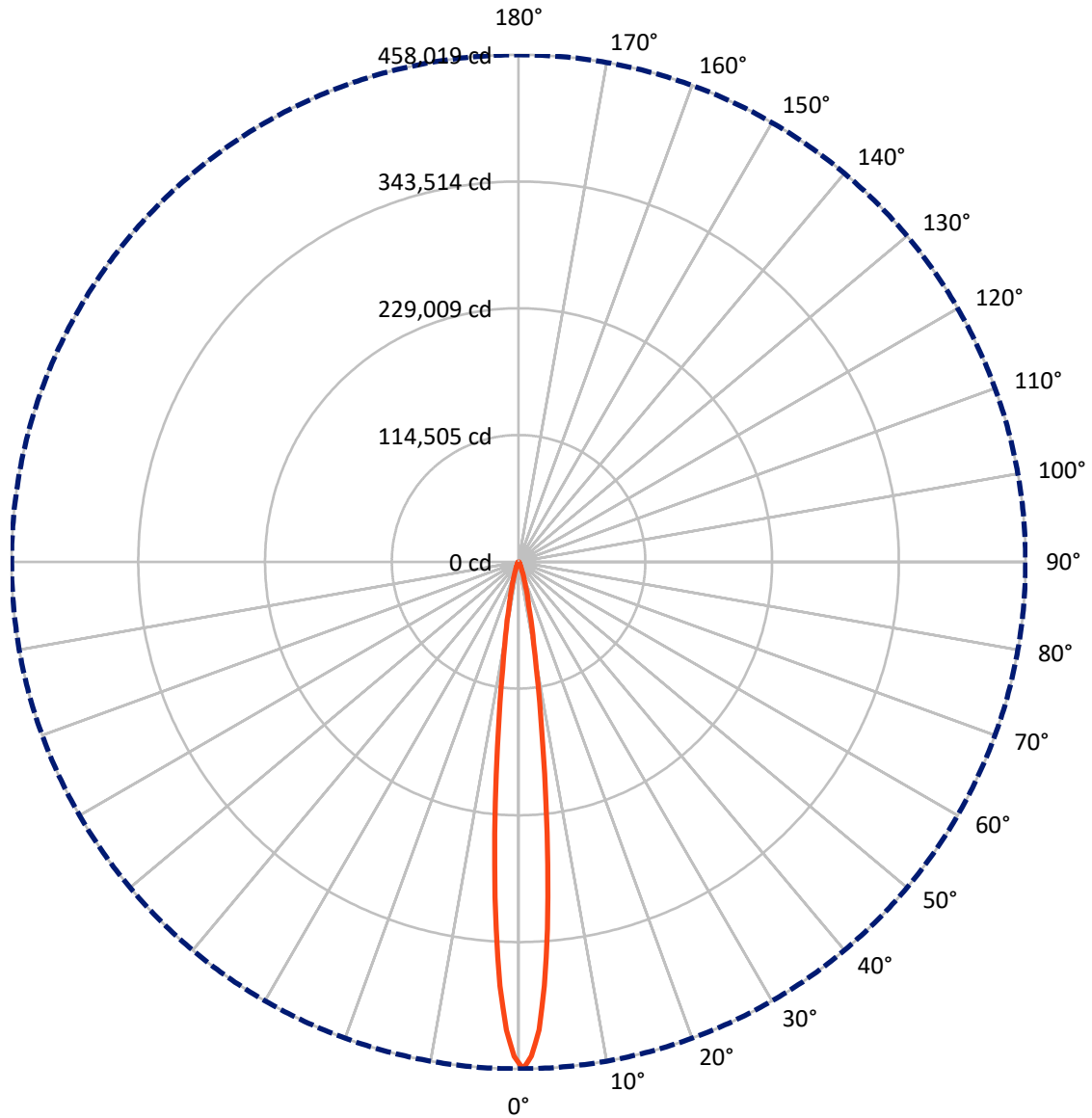
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1145 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	16089.3	0.0	16089.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16089.3	0.0	16089.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	32178.5	0.0	32178.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19615.4	61.0
10°-20°	8787.8	27.3
20°-30°	1962.5	6.1
30°-40°	640.5	2.0
40°-50°	441.8	1.4
50°-60°	333.8	1.0
60°-70°	228.4	0.7
70°-80°	120.3	0.4
80°-90°	48.0	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°	32178.5	100.0
0°-180°	32178.5	100.0

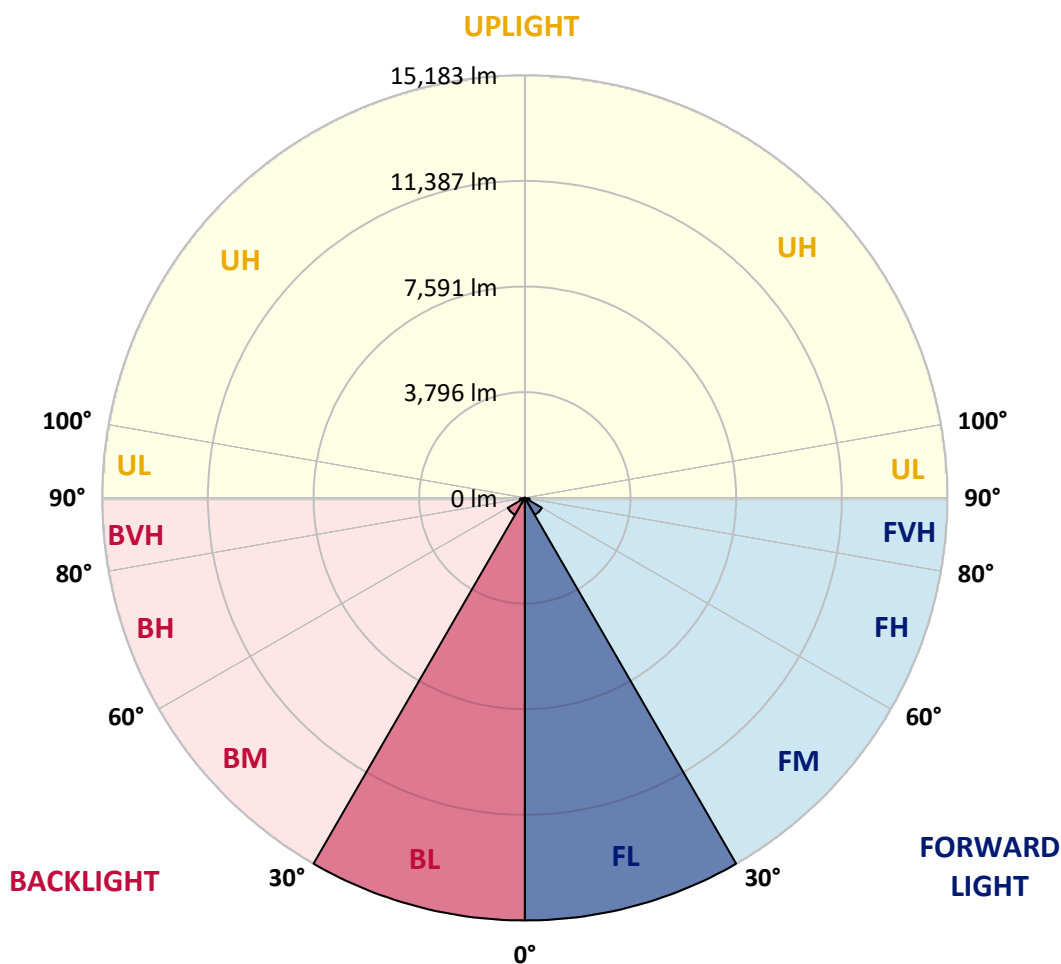


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	15182.9	47.2			
FM (30°-60°)	708.0	2.2			
FH (60°-80°)	174.3	0.5			G0/660
FVH (80°-90°)	24.0	0.1			G1/100
BL (0°-30°)	15182.9	47.2	B5		
BM (30°-60°)	708.0	2.2	B1/1000		
BH (60°-80°)	174.3	0.5	B1/500		G0/660
BVH (80°-90°)	24.0	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°	458018.9	458018.9	458018.9	458018.9	458018.9	458018.9	458018.9	458018.9	458018.9	458018.9
1°	446647.4	447255.0	446578.6	449994.7	451404.6	452138.3	452224.3	454150.1	452665.6	453078.3
2°	423107.7	424460.3	422196.3	424385.8	428764.8	430421.2	427721.6	431057.4	429865.2	430558.8
3°	383553.8	385210.2	382080.8	384757.4	390391.6	391652.6	387227.8	391967.8	391847.5	392844.8
4°	332571.1	335259.2	330788.6	333958.2	336451.4	340841.8	336554.6	341948.0	341844.9	343575.8
5°	274699.0	277604.9	273718.9	277008.9	279370.3	281003.8	279433.3	285399.9	285778.2	287566.5
6°	218070.7	220781.7	216442.9	219583.8	223326.6	223997.2	223590.2	228725.7	229866.3	228473.6
7°	167827.4	168503.7	167821.6	170676.0	173679.3	173788.2	174315.5	178832.1	179835.1	179353.6
8°	128531.4	125436.3	128095.8	129609.0	130537.5	134801.8	135117.0	137392.5	139238.1	139369.9
9°	97838.6	94972.8	98050.7	98652.5	100784.7	104573.3	104097.6	106585.1	107742.9	107668.3
10°	74591.2	73135.4	74677.2	75342.1	77095.9	80305.6	80861.6	82002.2	82861.9	83423.6
12.5°	40476.7	40814.8	41708.9	42408.2	44769.6	45623.6	45967.5	46065.0	46059.2	46150.9
15°	25144.6	25419.7	26044.4	27311.1	28749.8	29810.1	29959.1	29408.9	28933.2	28858.7
17.5°	15681.7	15572.8	17040.1	18427.1	20158.1	20708.3	20135.2	19504.7	18857.0	18484.5
20°	9411.3	9485.8	9984.5	10603.5	12002.0	12953.4	12357.4	11715.4	11044.8	10603.5
22.5°	5347.6	5427.8	5645.6	5966.6	6499.6	7365.1	6986.8	6339.2	5863.4	5668.6
25°	3158.1	3158.1	3289.9	3433.2	3656.8	3857.4	3777.1	3433.2	3152.4	3072.1
27.5°	2046.2	2029.0	2074.8	2143.6	2246.8	2258.3	2166.5	2063.4	1920.1	1868.5
30°	1496.0	1501.7	1496.0	1524.6	1518.9	1478.8	1421.4	1427.2	1369.9	1364.1
32.5°	1215.1	1220.8	1220.8	1215.1	1186.4	1123.4	1083.3	1123.4	1111.9	1100.5
35°	1008.8	1014.5	1071.8	1066.1	1020.2	951.4	922.8	968.6	1003.0	951.4
37.5°	871.2	876.9	922.8	945.7	888.4	842.5	808.2	848.3	899.9	842.5
40°	768.0	773.8	785.2	791.0	762.3	739.4	722.2	733.6	756.6	727.9
42.5°	676.3	670.6	676.3	670.6	636.2	647.7	636.2	619.0	636.2	613.3
45°	590.4	590.4	590.4	573.2	538.8	561.7	550.2	533.0	538.8	521.6
47.5°	538.8	538.8	538.8	515.8	487.2	487.2	492.9	464.3	470.0	464.3
50°	487.2	487.2	498.7	475.7	452.8	435.6	441.3	418.4	424.1	418.4
52.5°	447.1	447.1	447.1	435.6	418.4	406.9	395.5	384.0	378.3	372.6
55°	429.9	429.9	424.1	389.7	384.0	372.6	349.6	343.9	332.4	326.7
57.5°	401.2	401.2	395.5	366.8	343.9	343.9	309.5	303.8	286.6	286.6
60°	355.4	355.4	349.6	343.9	315.2	298.0	275.1	263.7	246.5	240.7
62.5°	338.2	338.2	326.7	298.0	292.3	263.7	240.7	217.8	206.3	194.9
65°	315.2	309.5	303.8	275.1	252.2	235.0	206.3	177.7	166.2	143.3
67.5°	280.8	280.8	275.1	252.2	229.3	200.6	171.9	149.0	120.4	103.2
70°	246.5	240.7	240.7	217.8	200.6	177.7	137.6	114.6	86.0	68.8
72.5°	206.3	206.3	200.6	183.4	171.9	154.8	120.4	91.7	57.3	45.9
75°	166.2	166.2	160.5	149.0	143.3	126.1	103.2	80.2	45.9	22.9
77.5°	137.6	131.8	131.8	120.4	114.6	103.2	86.0	63.0	34.4	17.2
80°	103.2	103.2	108.9	103.2	91.7	86.0	74.5	57.3	28.7	11.5
82.5°	74.5	74.5	80.2	80.2	80.2	74.5	74.5	57.3	28.7	5.7
85°	51.6	51.6	63.0	57.3	57.3	63.0	91.7	74.5	22.9	5.7
87.5°	28.7	28.7	28.7	22.9	22.9	28.7	34.4	28.7	11.5	5.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
458018.9
450046.3
428082.7
390168.1
340538.1
284150.4
228616.8
178694.5
137707.7
109422.2
83756.1
46225.5
28629.4
18427.1
10700.9
5691.5
3060.7
1868.5
1358.4
1077.5
940.0
836.8
716.5
613.3
521.6
464.3
418.4
372.6
321.0
286.6
229.3
189.1
137.6
103.2
68.8
40.1
22.9
11.5
5.7
5.7
5.7
5.7
0.0

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