

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: P636342

Luminaire Tested: **IFLD-S-SA6B-935-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636342
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-935-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (96) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20721.2 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

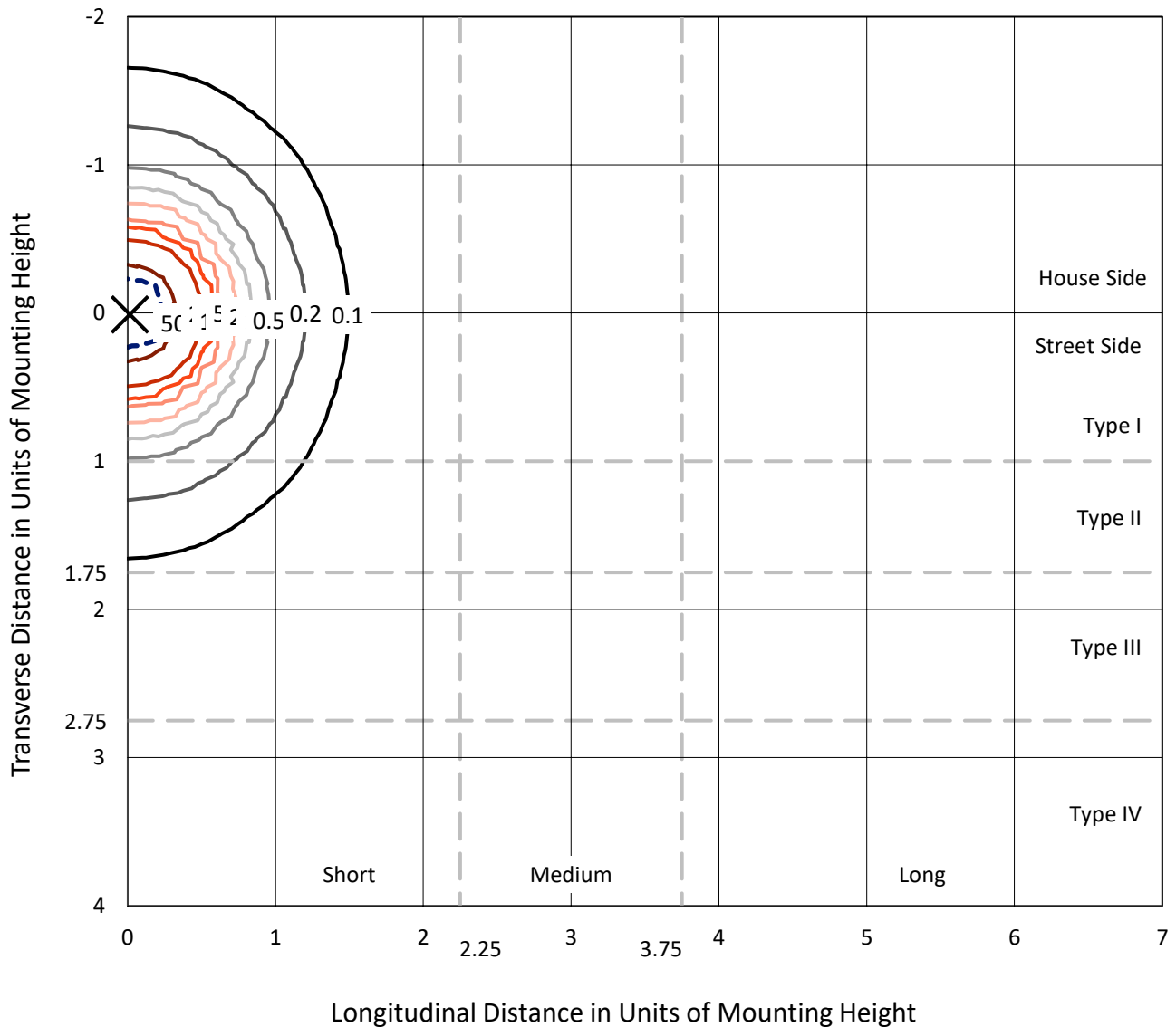
Input Watts (W): 244.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636342
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Iso-Footcandle Lines of Horizontal Illumination

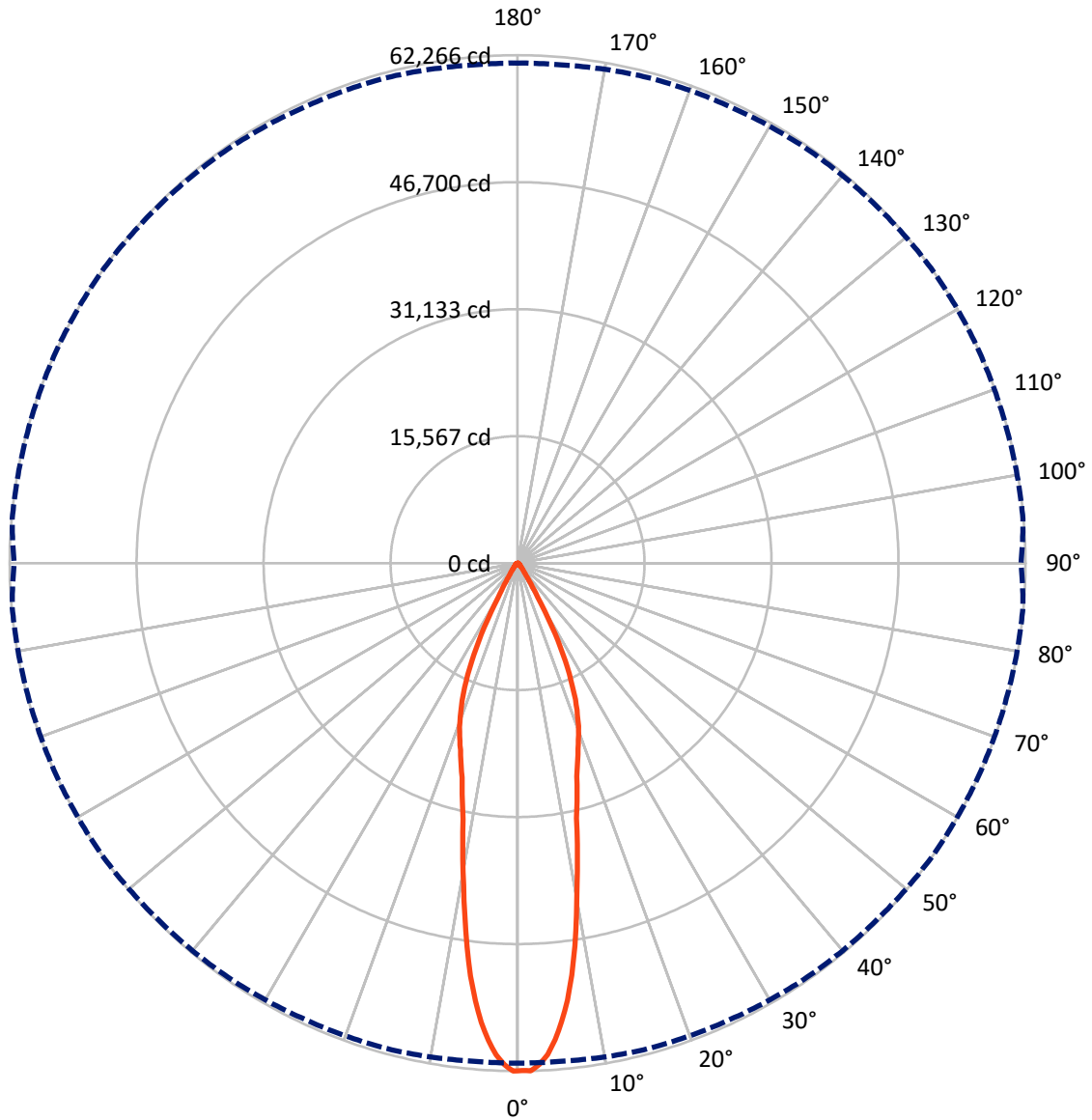
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 155.5 fc
 Type V - Short - N/A

REPORT NUMBER: P636342
CATALOG NUMBER: IFLD-S-SA6B-935-U-44-VI

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	10360.6	0.0	10360.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10360.6	0.0	10360.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	20721.2	0.0	20721.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4732.1	22.8
10°-20°	7728.8	37.3
20°-30°	6039.6	29.1
30°-40°	1316.5	6.4
40°-50°	389.8	1.9
50°-60°	243.8	1.2
60°-70°	170.5	0.8
70°-80°	73.2	0.4
80°-90°	27.0	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°	20721.2	100.0
0°-180°	20721.2	100.0



REPORT NUMBER: P636342

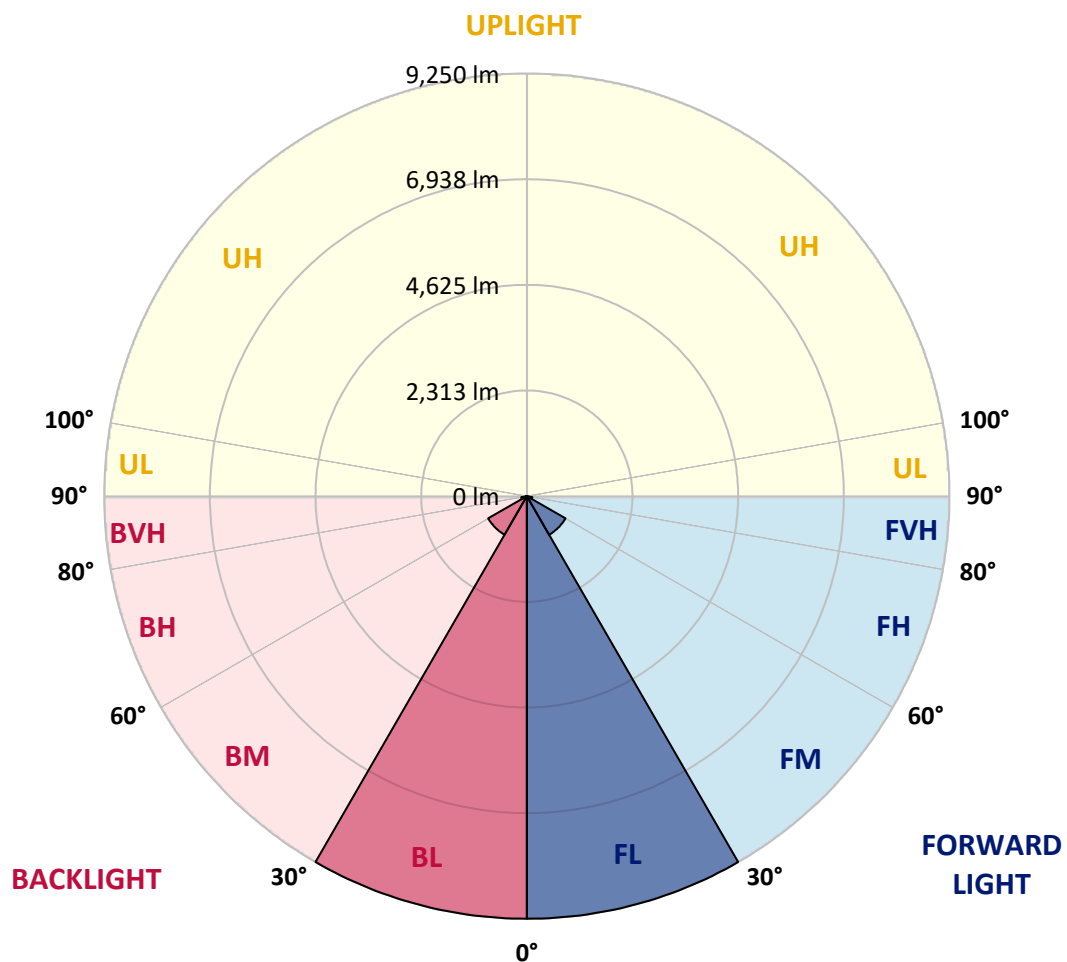
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9250.3	44.6			
FM (30°-60°)	975.0	4.7			
FH (60°-80°)	121.8	0.6			G0/660
FVH (80°-90°)	13.5	0.1			G1/100
BL (0°-30°)	9250.3	44.6	B5		
BM (30°-60°)	975.0	4.7	B1/1000		
BH (60°-80°)	121.8	0.6	B1/500		G0/660
BVH (80°-90°)	13.5	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°	62194.9	62194.9	62194.9	62194.9	62194.9	62194.9	62194.9	62194.9	62194.9	62194.9
1°	61294.6	61302.1	61636.0	61711.0	61939.8	62056.1	62266.2	62243.7	62179.9	62187.4
2°	60165.5	60116.7	60428.1	60773.2	61047.0	61272.1	61523.4	61575.9	61515.9	61572.2
3°	58308.6	58237.4	58672.5	59103.9	59580.3	59966.7	60345.5	60360.6	60289.3	60285.5
4°	55866.6	55735.3	56253.0	57022.0	57622.2	58136.1	58608.7	58601.2	58503.7	58582.5
5°	52914.4	52749.4	53420.8	54433.7	55322.7	55941.6	56463.1	56339.3	56114.2	56125.4
6°	49290.8	49452.1	50273.6	51695.3	52745.6	53259.5	53901.0	53668.4	53278.3	53237.0
7°	45884.7	46248.5	46905.0	48619.3	49868.4	50408.6	50952.5	50483.6	49954.7	49868.4
8°	42298.5	42906.2	43814.0	45393.3	46724.9	47268.9	47475.2	46972.5	46406.1	46383.6
9°	39391.3	39807.7	40588.0	41979.7	43333.9	43697.7	43742.7	43303.8	42737.4	42774.9
10°	36746.8	36825.5	37500.7	38697.4	39781.5	40040.3	40029.1	39710.2	39245.1	39368.8
12.5°	30827.4	31041.2	31236.2	31618.9	31982.7	32151.5	32087.8	31956.5	31701.4	31712.6
15°	26809.8	26806.1	26828.6	27004.9	27113.7	27132.4	27132.4	26967.4	26858.6	27019.9
17.5°	23264.9	23460.0	23808.9	23951.4	24094.0	24041.4	23943.9	23868.9	23797.6	23936.4
20°	20507.8	20594.1	20597.8	20691.6	21411.8	21449.4	21325.6	21111.8	20931.7	20897.9
22.5°	17405.6	17536.9	17593.1	17675.7	17750.7	18298.4	18152.1	17806.9	17593.1	17529.4
25°	13065.4	13020.4	13388.0	14063.2	14172.0	14239.6	14202.0	14022.0	13883.2	13909.4
27.5°	9029.1	9107.9	9092.9	9100.4	9816.9	9813.1	9801.9	9644.3	9603.1	9543.1
30°	5049.1	5011.6	5030.4	4981.6	4880.3	5004.1	4805.3	4974.1	4809.0	4861.6
32.5°	2986.0	2959.7	2933.4	2944.7	2869.7	2685.9	2607.1	2723.4	2685.9	2670.9
35°	1905.6	1916.9	1950.6	1946.9	1879.4	1774.3	1661.8	1766.8	1751.8	1706.8
37.5°	1215.4	1215.4	1226.6	1324.2	1267.9	1177.9	1099.1	1144.1	1140.4	1132.9
40°	862.8	862.8	877.8	904.0	874.0	829.0	784.0	784.0	791.5	769.0
42.5°	641.5	641.5	656.5	671.5	634.0	618.9	596.4	581.4	600.2	581.4
45°	502.7	498.9	502.7	495.2	472.7	472.7	453.9	431.4	453.9	442.6
47.5°	412.6	408.9	405.1	390.1	367.6	371.4	363.9	345.1	356.4	352.6
50°	360.1	352.6	356.4	341.4	322.6	318.9	318.9	300.1	303.8	303.8
52.5°	315.1	315.1	311.3	303.8	296.3	281.3	285.1	266.3	266.3	266.3
55°	296.3	296.3	288.8	273.8	277.6	266.3	255.1	243.8	240.1	240.1
57.5°	292.6	292.6	288.8	273.8	262.6	258.8	243.8	228.8	217.6	221.3
60°	285.1	285.1	277.6	273.8	255.1	247.6	225.1	213.8	198.8	198.8
62.5°	273.8	270.1	255.1	232.6	232.6	213.8	198.8	176.3	165.1	161.3
65°	232.6	228.8	217.6	198.8	187.6	176.3	153.8	131.3	123.8	112.5
67.5°	191.3	191.3	183.8	165.1	157.6	142.5	116.3	101.3	82.5	75.0
70°	157.6	157.6	150.0	138.8	131.3	112.5	90.0	75.0	56.3	48.8
72.5°	127.5	127.5	120.0	112.5	105.0	93.8	75.0	56.3	37.5	30.0
75°	101.3	101.3	97.5	90.0	82.5	75.0	60.0	45.0	26.3	15.0
77.5°	82.5	82.5	78.8	75.0	67.5	60.0	48.8	37.5	18.8	7.5
80°	63.8	63.8	63.8	63.8	56.3	48.8	41.3	30.0	15.0	3.8
82.5°	45.0	45.0	48.8	56.3	45.0	37.5	37.5	30.0	11.3	3.8
85°	30.0	33.8	37.5	33.8	30.0	30.0	52.5	48.8	11.3	3.8
87.5°	15.0	15.0	15.0	15.0	15.0	11.3	15.0	11.3	7.5	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°
62194.9
61726.0
61129.5
59959.2
58211.1
55577.8
52689.4
49459.6
45562.1
42216.0
38933.7
31341.3
26644.8
23617.6
20680.4
17300.5
13819.4
9325.5
4925.3
2633.3
1658.0
1117.9
761.5
577.7
442.6
352.6
307.6
266.3
236.3
221.3
187.6
153.8
108.8
71.3
45.0
26.3
11.3
7.5
3.8
3.8
3.8
0.0
0.0

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