

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: P635844

Luminaire Tested: **IFLD-S-SA3B-927-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635844
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-927-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (48) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7910.6 lumens
Efficiency: N/A
Efficacy: 64.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 122.4
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



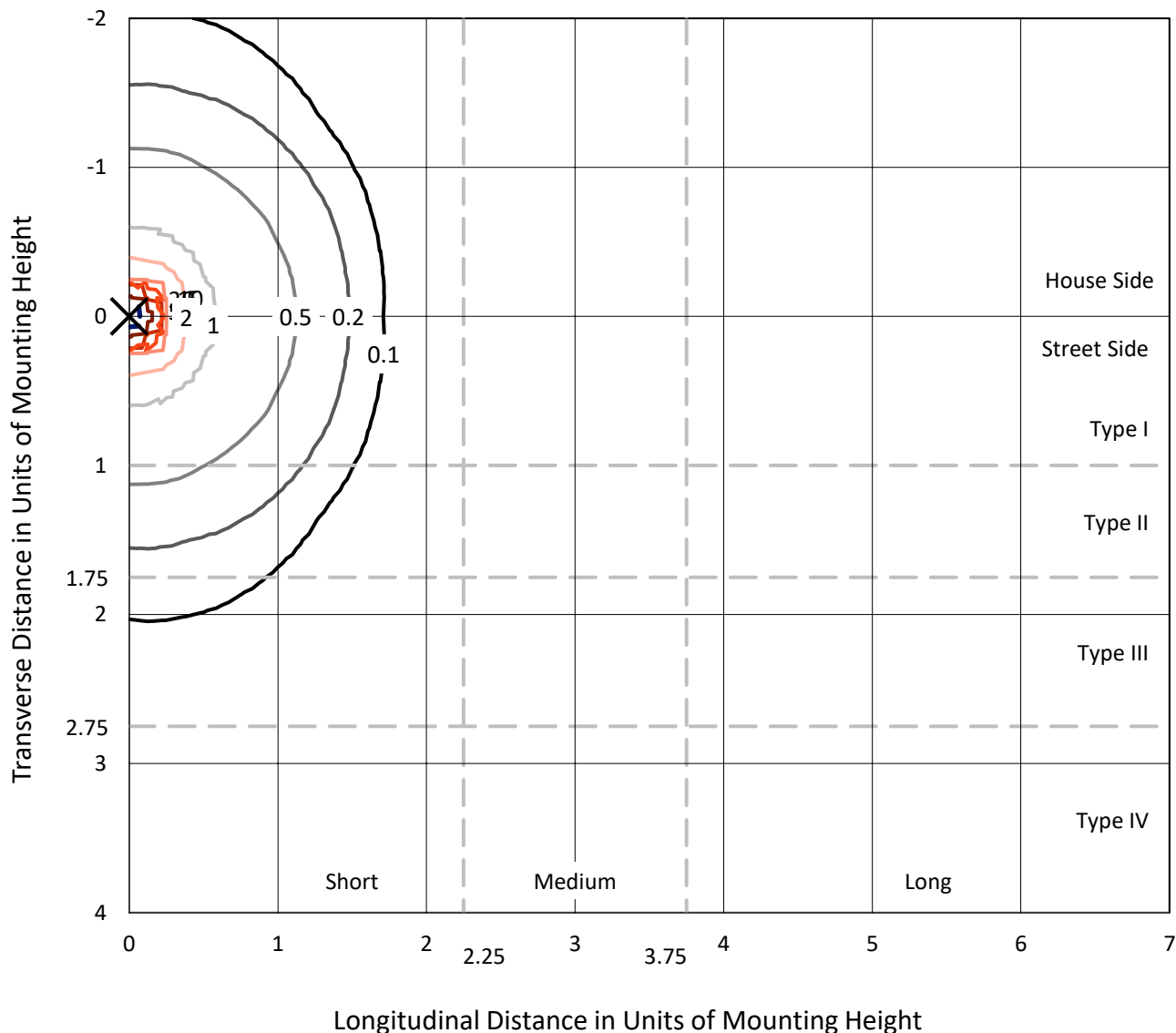
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

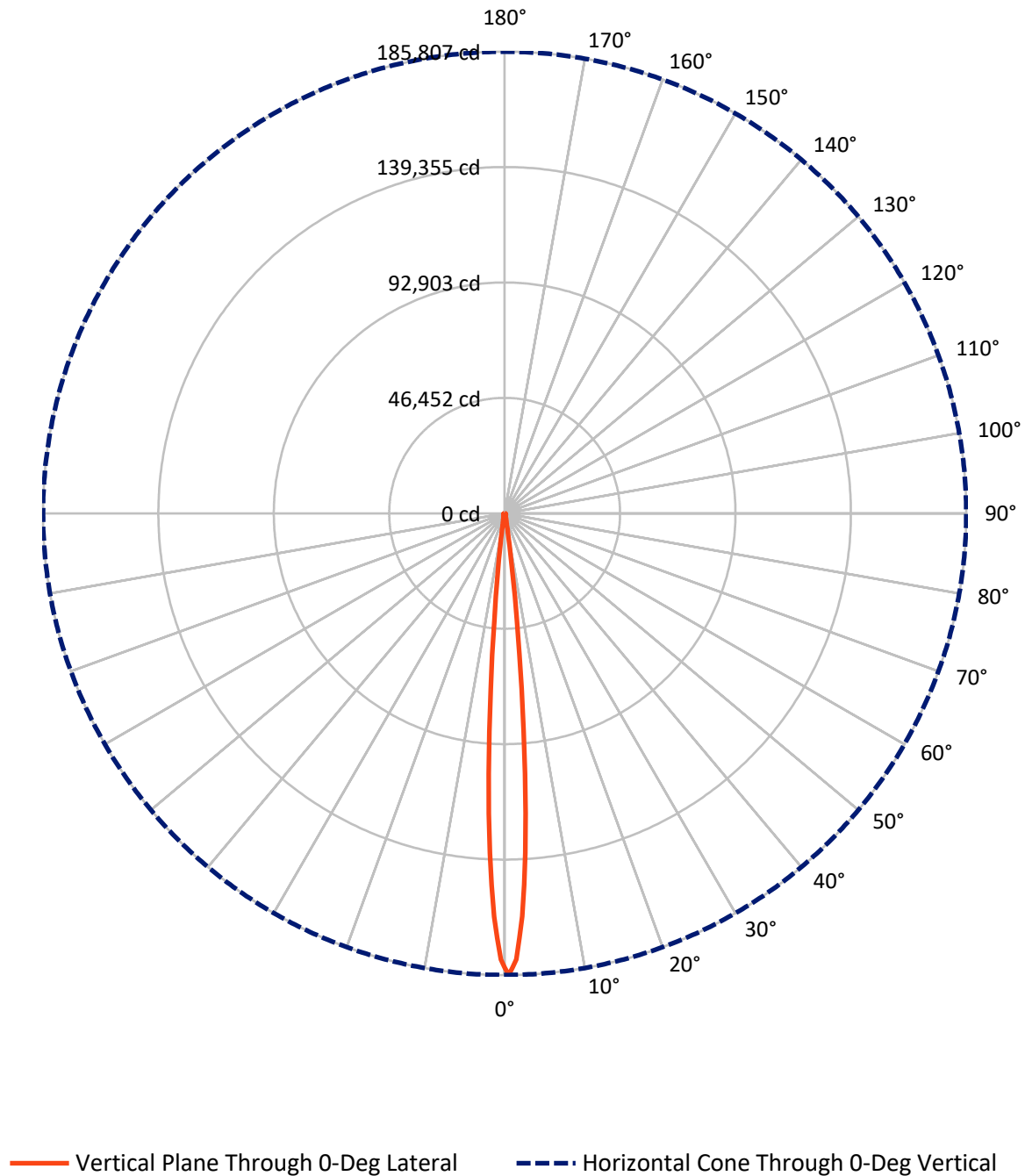


Based on 20 foot mounting height. Maximum calculated value = 464.5 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3955.3	0.0	3955.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3955.3	0.0	3955.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	7910.6	0.0	7910.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4993.0	63.1
10°-20°	617.1	7.8
20°-30°	369.7	4.7
30°-40°	397.5	5.0
40°-50°	534.5	6.8
50°-60°	476.5	6.0
60°-70°	314.7	4.0
70°-80°	156.0	2.0
80°-90°	51.5	0.7
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°	7910.6	100.0
0°-180°	7910.6	100.0

Coefficient of Utilization



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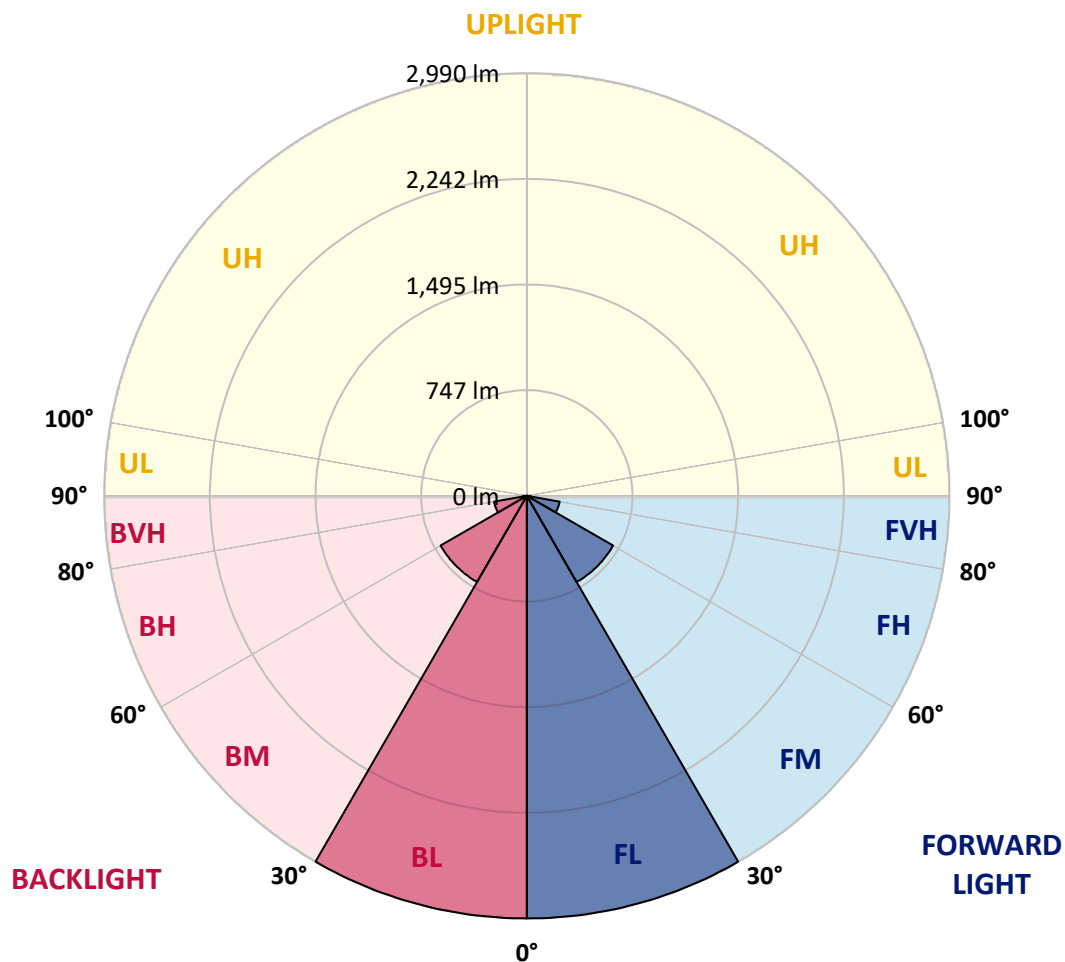
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2989.9	37.8			
FM	(30°-60°)	704.3	8.9			
FH	(60°-80°)	235.4	3.0			G0/660
FVH	(80°-90°)	25.8	0.3			G1/100
BL	(0°-30°)	2989.9	37.8	B4/5000		
BM	(30°-60°)	704.3	8.9	B1/1000		
BH	(60°-80°)	235.4	3.0	B1/500		G0/660
BVH	(80°-90°)	25.8	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	185806.9	185806.9	185806.9	185806.9	185806.9	185806.9	185806.9	185806.9	185806.9	185806.9
1°	179578.9	177735.7	178683.7	179589.8	180860.6	181420.3	181991.0	182417.6	182410.3	183114.0
2°	162428.3	159458.4	160834.9	162523.1	165788.4	166725.5	168291.6	170229.7	170348.2	172102.1
3°	136907.5	132737.9	134765.3	137771.7	143184.7	144584.9	147095.4	148867.5	148076.3	150129.2
4°	105058.5	99618.2	102715.7	107166.1	112435.1	117780.6	117886.4	119157.1	116548.2	116422.4
5°	70879.5	66082.7	70057.2	75623.4	80175.9	83911.5	86212.4	86371.0	83550.5	83293.5
6°	43229.3	40055.1	43513.7	49404.3	55710.7	57264.0	57615.9	56817.4	53118.1	51070.7
7°	23892.7	22598.2	25978.4	29493.5	34410.6	36684.1	35110.7	32558.2	31426.0	28988.5
8°	13176.1	12538.0	13502.4	16539.8	20355.7	21848.9	20330.2	17679.3	15770.4	15095.9
9°	7943.6	7589.9	7983.7	9139.6	10787.7	11823.3	10953.6	9648.2	8842.4	8618.1
10°	5276.3	5137.7	5305.4	5695.6	6288.1	6590.8	6373.8	5856.0	5611.7	5597.1
12.5°	2769.4	2743.9	2785.8	2829.6	2931.7	2948.1	2909.8	2873.3	2816.8	2838.7
15°	1783.1	1759.4	1803.1	1859.6	1885.2	1901.6	1903.4	1883.3	1845.1	1826.8
17.5°	1299.9	1305.4	1309.0	1341.9	1391.1	1429.4	1413.0	1391.1	1347.3	1325.4
20°	1070.2	1072.0	1079.3	1097.6	1114.0	1166.8	1150.4	1117.6	1075.7	1059.3
22.5°	915.2	918.9	922.5	933.5	937.1	951.7	953.5	924.3	900.6	891.5
25°	805.8	805.8	811.3	820.4	824.1	813.1	815.0	802.2	780.3	769.4
27.5°	683.7	687.3	692.8	696.5	689.2	676.4	660.0	670.9	660.0	634.5
30°	608.9	612.6	629.0	618.1	601.6	585.2	576.1	590.7	592.5	570.7
32.5°	603.5	605.3	610.8	605.3	585.2	565.2	552.4	568.8	572.5	563.4
35°	630.8	625.3	632.6	636.3	616.2	594.4	577.9	592.5	603.5	607.1
37.5°	763.9	732.9	709.2	701.9	689.2	674.6	652.7	656.3	676.4	694.6
40°	727.4	720.2	711.0	687.3	663.6	681.9	656.3	649.0	694.6	698.3
42.5°	722.0	727.4	720.2	691.0	667.3	685.5	680.0	658.2	703.7	698.3
45°	725.6	731.1	747.5	698.3	678.2	687.3	698.3	674.6	720.2	701.9
47.5°	696.5	703.7	722.0	694.6	681.9	680.0	696.5	674.6	698.3	696.5
50°	658.2	665.5	670.9	647.2	670.9	658.2	660.0	650.9	650.9	654.5
52.5°	608.9	616.2	621.7	594.4	608.9	614.4	592.5	590.7	574.3	579.8
55°	548.8	559.7	565.2	554.2	547.0	557.9	526.9	523.3	490.4	492.3
57.5°	479.5	490.4	495.9	508.7	503.2	481.3	463.1	448.5	412.0	397.5
60°	494.1	505.0	494.1	457.6	457.6	408.4	392.0	361.0	324.5	306.3
62.5°	477.7	492.3	490.4	452.1	406.6	344.6	315.4	282.6	246.1	222.4
65°	450.3	464.9	457.6	432.1	388.3	295.4	251.6	218.8	173.2	167.7
67.5°	404.7	426.6	412.0	395.6	361.0	268.0	200.5	164.1	125.8	125.8
70°	335.5	351.9	361.0	342.8	322.7	251.6	171.4	125.8	91.2	69.3
72.5°	269.8	284.4	299.0	289.9	271.7	227.9	153.1	100.3	65.6	40.1
75°	149.5	155.0	160.4	182.3	207.8	186.0	140.4	87.5	54.7	31.0
77.5°	114.9	120.3	133.1	122.2	113.0	144.0	153.1	102.1	47.4	21.9
80°	89.3	96.6	136.7	113.0	96.6	109.4	131.3	89.3	31.0	10.9
82.5°	67.5	72.9	96.6	107.6	102.1	82.0	71.1	60.2	27.3	7.3
85°	49.2	56.5	67.5	60.2	58.3	58.3	78.4	52.9	20.1	5.5
87.5°	29.2	29.2	31.0	29.2	27.3	27.3	31.0	25.5	12.8	3.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
185806.9
181699.2
170552.4
147934.1
115868.1
82252.4
51249.4
27843.5
14483.3
8313.7
5423.9
2756.6
1797.6
1301.7
1041.0
880.6
760.3
636.3
563.4
557.9
607.1
711.0
703.7
694.6
696.5
692.8
641.8
570.7
479.5
388.3
291.7
218.8
167.7
111.2
62.0
38.3
27.3
10.9
7.3
5.5
3.6
3.6
0.0

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