

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: P635841

Luminaire Tested: **IFLD-S-SA2D-927-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635841
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-927-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (32) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7270.8 lumens
Efficiency: N/A
Efficacy: 58.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 123.9
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



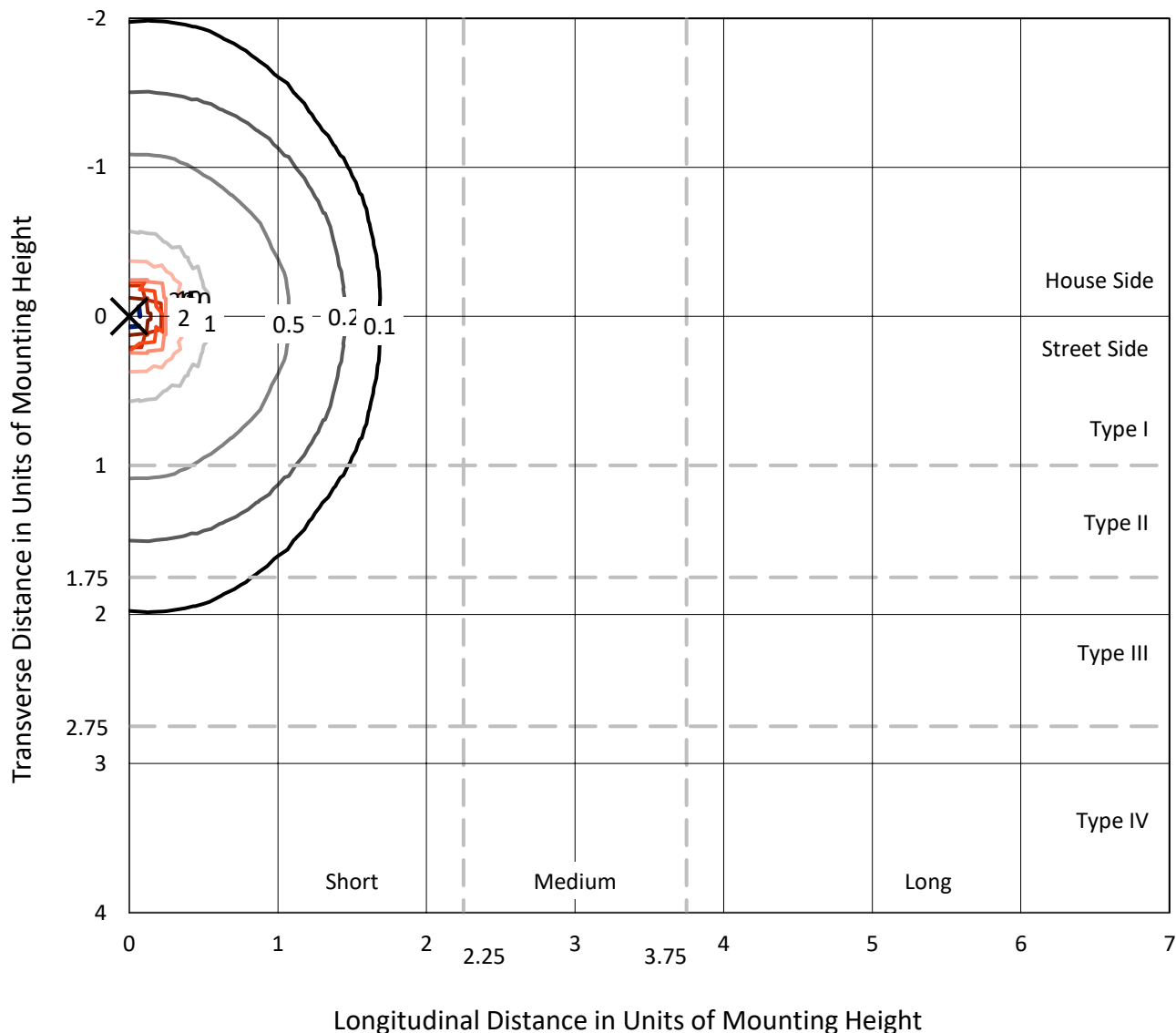
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

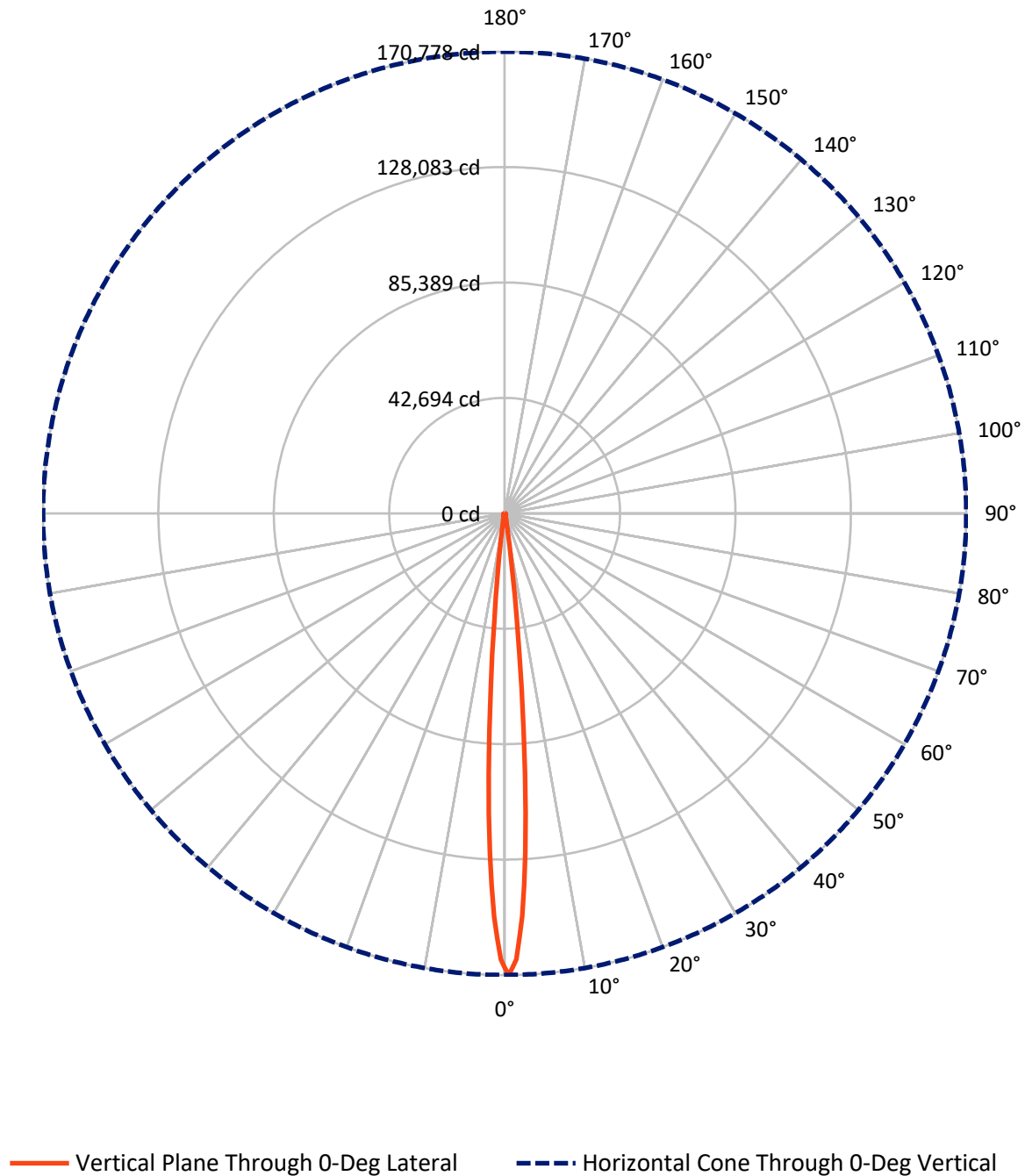


Based on 20 foot mounting height. Maximum calculated value = 426.9 fc

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	3635.4	0.0	3635.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3635.4	0.0	3635.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	7270.8	0.0	7270.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4589.2	63.1
10°-20°	567.2	7.8
20°-30°	339.8	4.7
30°-40°	365.4	5.0
40°-50°	491.3	6.8
50°-60°	437.9	6.0
60°-70°	289.3	4.0
70°-80°	143.4	2.0
80°-90°	47.3	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°	7270.8	100.0
0°-180°	7270.8	100.0



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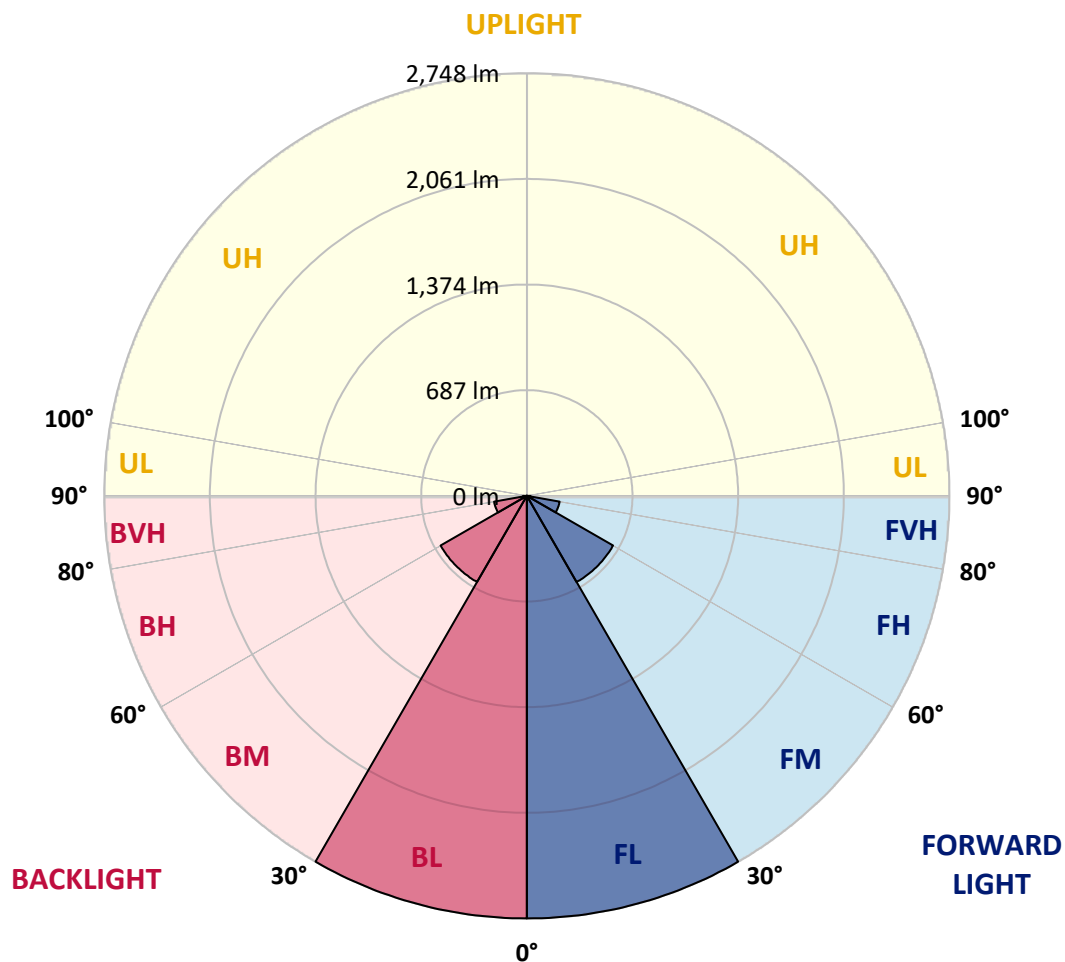
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2748.1	37.8			
FM	(30°-60°)	647.3	8.9			
FH	(60°-80°)	216.3	3.0			G0/660
FVH	(80°-90°)	23.7	0.3			G1/100
BL	(0°-30°)	2748.1	37.8	B4/5000		
BM	(30°-60°)	647.3	8.9	B1/1000		
BH	(60°-80°)	216.3	3.0	B1/500		G0/660
BVH	(80°-90°)	23.7	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°	170777.7	170777.7	170777.7	170777.7	170777.7	170777.7	170777.7	170777.7	170777.7	170777.7
1°	165053.5	163359.4	164230.8	165063.6	166231.5	166746.0	167270.5	167662.6	167655.9	168302.7
2°	149290.2	146560.5	147825.6	149377.3	152378.5	153239.8	154679.2	156460.5	156569.4	158181.5
3°	125833.7	122001.3	123864.7	126627.9	131603.1	132890.1	135197.5	136826.3	136099.0	137985.9
4°	96560.8	91560.5	94407.5	98497.9	103340.7	108253.9	108351.0	109519.0	107121.1	107005.5
5°	65146.4	60737.6	64390.6	69506.5	73690.8	77124.3	79239.0	79384.8	76792.5	76556.2
6°	39732.6	36815.2	39994.0	45408.2	51204.5	52632.2	52955.6	52221.6	48821.6	46939.8
7°	21960.1	20770.4	23877.1	27107.9	31627.2	33716.8	32270.7	29924.7	28884.1	26643.7
8°	12110.3	11523.8	12410.3	15202.0	18709.2	20081.6	18685.8	16249.3	14494.8	13874.8
9°	7301.0	6976.0	7337.9	8400.3	9915.1	10866.9	10067.6	8867.8	8127.2	7921.1
10°	4849.5	4722.1	4876.3	5234.9	5779.5	6057.7	5858.3	5382.4	5157.8	5144.4
12.5°	2545.4	2521.9	2560.5	2600.7	2694.5	2709.6	2674.4	2640.9	2589.0	2609.1
15°	1638.8	1617.1	1657.3	1709.2	1732.7	1747.8	1749.4	1731.0	1695.8	1679.1
17.5°	1194.8	1199.8	1203.2	1233.3	1278.6	1313.8	1298.7	1278.6	1238.3	1218.2
20°	983.6	985.3	992.0	1008.8	1023.9	1072.5	1057.4	1027.2	988.7	973.6
22.5°	841.2	844.6	847.9	858.0	861.3	874.7	876.4	849.6	827.8	819.4
25°	740.7	740.7	745.7	754.1	757.4	747.4	749.0	737.3	717.2	707.1
27.5°	628.4	631.7	636.8	640.1	633.4	621.7	606.6	616.7	606.6	583.1
30°	559.7	563.0	578.1	568.1	553.0	537.9	529.5	542.9	544.6	524.5
32.5°	554.7	556.3	561.4	556.3	537.9	519.5	507.7	522.8	526.2	517.8
35°	579.8	574.8	581.5	584.8	566.4	546.3	531.2	544.6	554.7	558.0
37.5°	702.1	673.6	651.8	645.1	633.4	620.0	599.9	603.3	621.7	638.4
40°	668.6	661.9	653.5	631.7	610.0	626.7	603.3	596.6	638.4	641.8
42.5°	663.6	668.6	661.9	635.1	613.3	630.1	625.0	604.9	646.8	641.8
45°	666.9	672.0	687.0	641.8	623.4	631.7	641.8	620.0	661.9	645.1
47.5°	640.1	646.8	663.6	638.4	626.7	625.0	640.1	620.0	641.8	640.1
50°	604.9	611.6	616.7	594.9	616.7	604.9	606.6	598.2	598.2	601.6
52.5°	559.7	566.4	571.4	546.3	559.7	564.7	544.6	542.9	527.8	532.9
55°	504.4	514.4	519.5	509.4	502.7	512.8	484.3	480.9	450.8	452.4
57.5°	440.7	450.8	455.8	467.5	462.5	442.4	425.6	412.2	378.7	365.3
60°	454.1	464.2	454.1	420.6	420.6	375.4	360.3	331.8	298.3	281.5
62.5°	439.0	452.4	450.8	415.6	373.7	316.7	289.9	259.7	226.2	204.4
65°	413.9	427.3	420.6	397.1	356.9	271.5	231.2	201.1	159.2	154.2
67.5°	372.0	392.1	378.7	363.6	331.8	246.3	184.3	150.8	115.6	115.6
70°	308.3	323.4	331.8	315.0	296.6	231.2	157.5	115.6	83.8	63.7
72.5°	248.0	261.4	274.8	266.4	249.7	209.5	140.8	92.2	60.3	36.9
75°	137.4	142.4	147.5	167.6	191.0	170.9	129.0	80.4	50.3	28.5
77.5°	105.6	110.6	122.3	112.3	103.9	132.4	140.8	93.8	43.6	20.1
80°	82.1	88.8	125.7	103.9	88.8	100.5	120.7	82.1	28.5	10.1
82.5°	62.0	67.0	88.8	98.9	93.8	75.4	65.4	55.3	25.1	6.7
85°	45.2	51.9	62.0	55.3	53.6	53.6	72.1	48.6	18.4	5.0
87.5°	26.8	26.8	28.5	26.8	25.1	25.1	28.5	23.5	11.7	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
170777.7
167002.4
156757.1
135968.3
106496.0
75599.4
47104.0
25591.4
13311.8
7641.2
4985.2
2533.7
1652.2
1196.5
956.8
809.4
698.8
584.8
517.8
512.8
558.0
653.5
646.8
638.4
640.1
636.8
589.8
524.5
440.7
356.9
268.1
201.1
154.2
102.2
57.0
35.2
25.1
10.1
6.7
5.0
3.4
3.4
0.0

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