

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: P636049

Luminaire Tested: **IFLD-S-SA3D-935-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636049
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-935-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (48) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14705.5 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

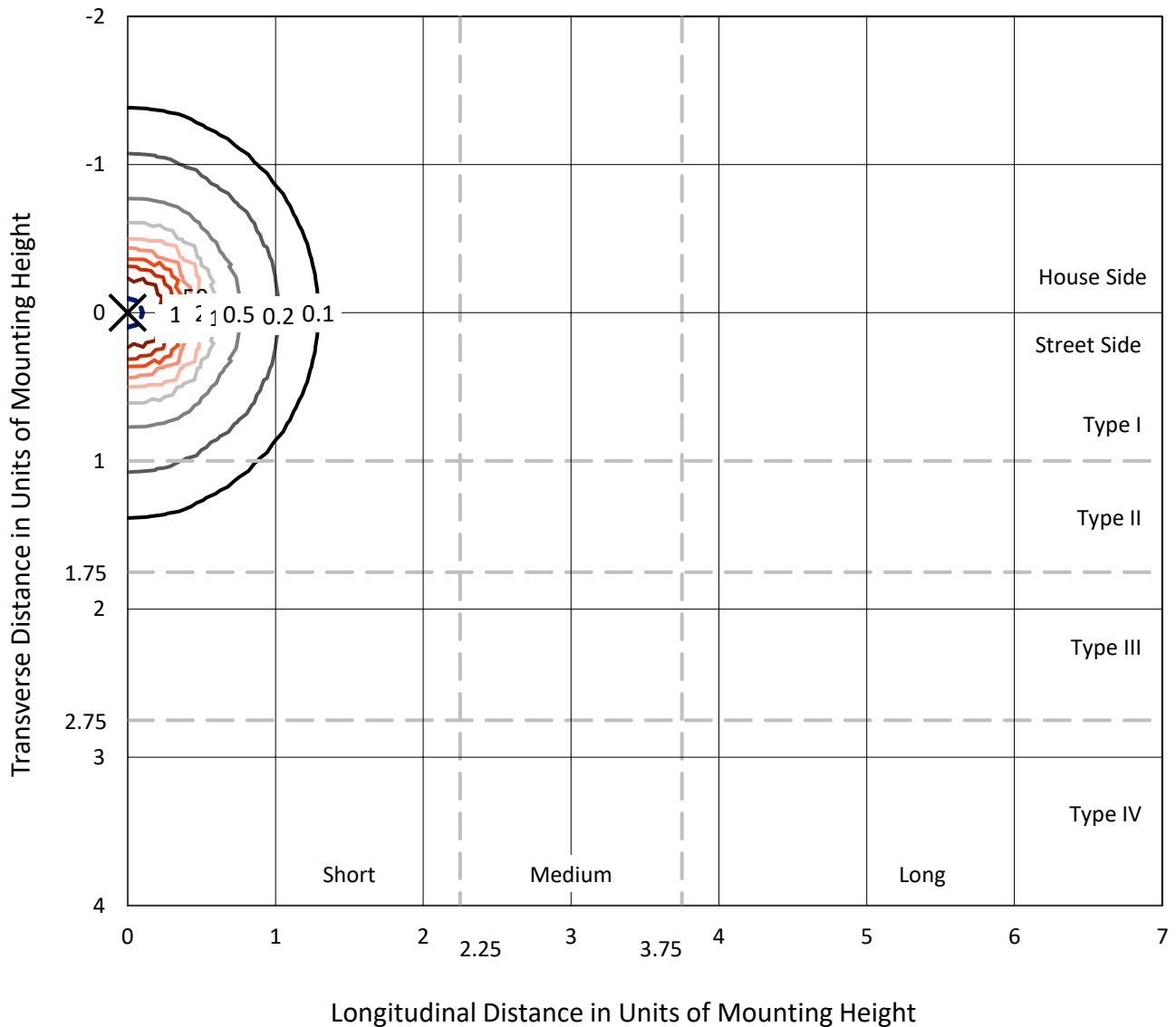
Input Watts (W): 184.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

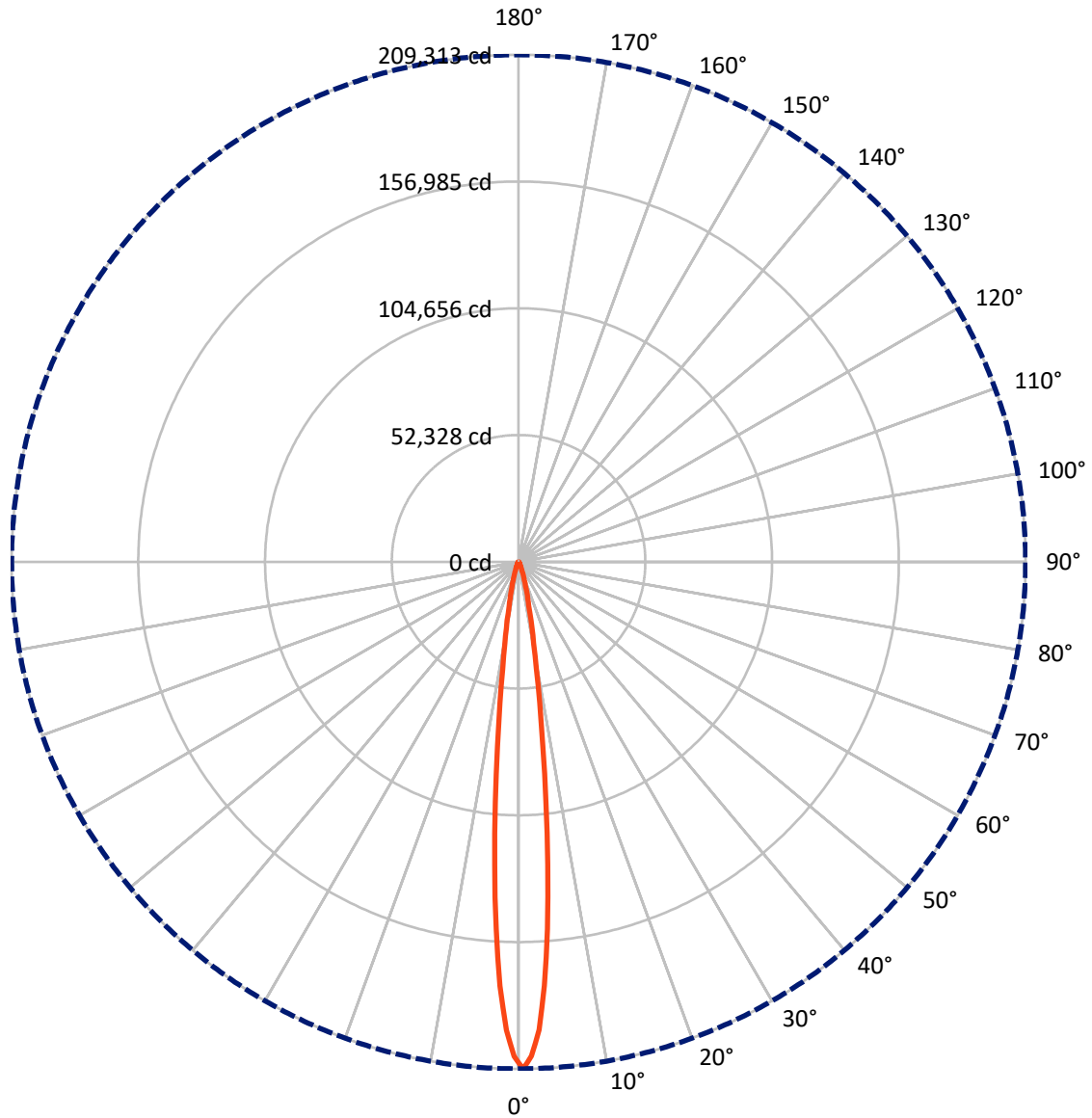
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 523.3 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	7352.7	0.0	7352.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7352.7	0.0	7352.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	14705.5	0.0	14705.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8964.2	61.0
10°-20°	4016.0	27.3
20°-30°	896.9	6.1
30°-40°	292.7	2.0
40°-50°	201.9	1.4
50°-60°	152.5	1.0
60°-70°	104.4	0.7
70°-80°	55.0	0.4
80°-90°	21.9	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°	14705.5	100.0
0°-180°	14705.5	100.0

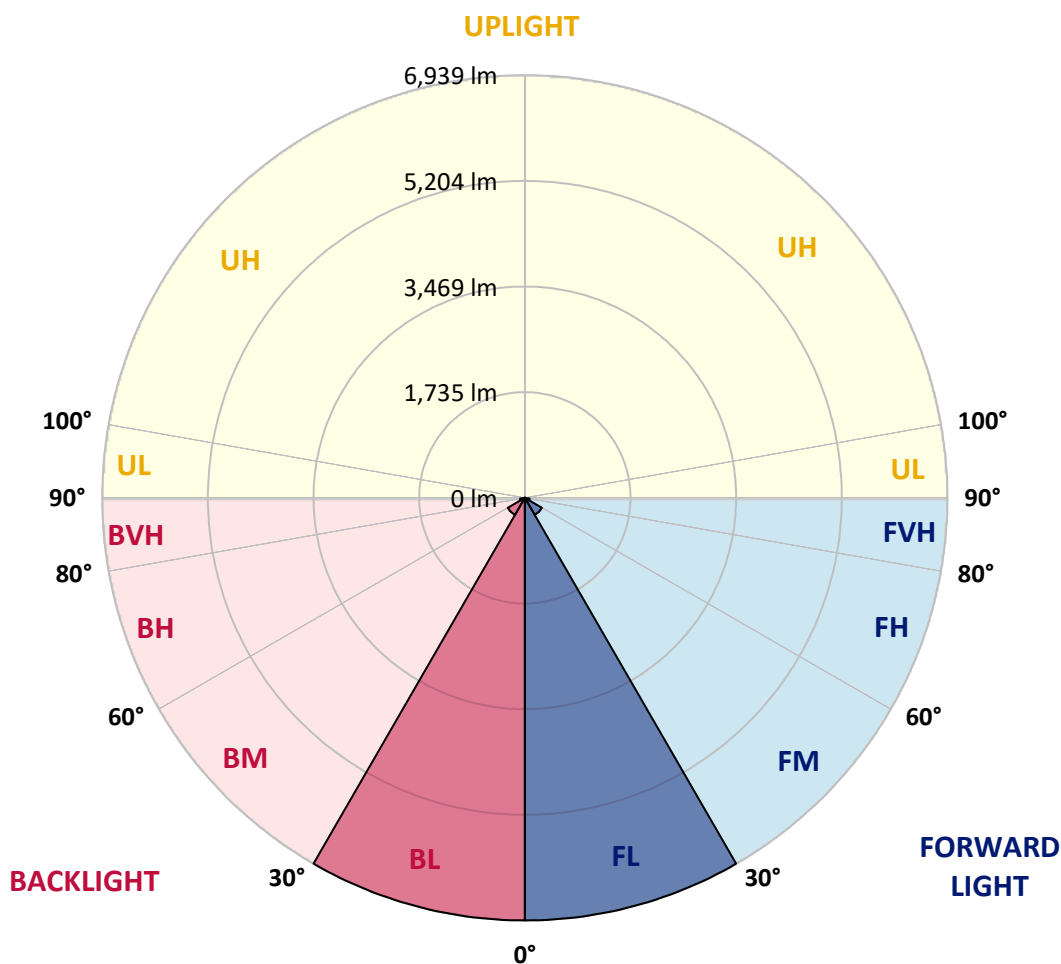


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6938.5	47.2			
FM (30°-60°)	323.6	2.2			
FH (60°-80°)	79.7	0.5			G0/660
FVH (80°-90°)	11.0	0.1			G1/100
BL (0°-30°)	6938.5	47.2	B5		
BM (30°-60°)	323.6	2.2	B1/1000		
BH (60°-80°)	79.7	0.5	B0/110		G0/660
BVH (80°-90°)	11.0	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°	209312.9	209312.9	209312.9	209312.9	209312.9	209312.9	209312.9	209312.9	209312.9	209312.9
1°	204116.1	204393.8	204084.7	205645.8	206290.2	206625.4	206664.7	207544.8	206866.4	207055.0
2°	193358.6	193976.7	192942.1	193942.7	195943.8	196700.8	195467.1	196991.6	196446.7	196763.7
3°	175282.6	176039.6	174609.4	175832.7	178407.4	178983.7	176961.6	179127.8	179072.8	179528.5
4°	151983.7	153212.2	151169.1	152617.6	153757.0	155763.4	153804.1	156268.9	156221.8	157012.8
5°	125536.4	126864.4	125088.5	126592.0	127671.1	128417.6	127699.9	130426.7	130599.5	131416.8
6°	99657.4	100896.4	98913.6	100349.0	102059.4	102365.8	102179.9	104526.8	105048.0	104411.5
7°	76696.4	77005.5	76693.8	77998.3	79370.8	79420.5	79661.5	81725.6	82183.9	81963.9
8°	58738.4	57323.9	58539.3	59230.8	59655.1	61603.9	61748.0	62787.8	63631.3	63691.5
9°	44711.9	43402.2	44808.8	45083.8	46058.2	47789.6	47572.2	48709.0	49238.1	49204.0
10°	34087.9	33422.6	34127.2	34431.0	35232.5	36699.4	36953.4	37474.7	37867.6	38124.3
12.5°	18497.7	18652.2	19060.8	19380.4	20459.5	20849.8	21007.0	21051.5	21048.9	21090.8
15°	11491.0	11616.7	11902.2	12481.1	13138.5	13623.1	13691.2	13439.8	13222.4	13188.3
17.5°	7166.5	7116.7	7787.3	8421.1	9212.2	9463.6	9201.7	8913.6	8617.6	8447.3
20°	4300.9	4335.0	4562.9	4845.8	5484.9	5919.7	5647.3	5353.9	5047.4	4845.8
22.5°	2443.8	2480.5	2580.0	2726.7	2970.3	3365.8	3193.0	2897.0	2679.6	2590.5
25°	1443.2	1443.2	1503.5	1569.0	1671.1	1762.8	1726.1	1569.0	1440.6	1404.0
27.5°	935.1	927.2	948.2	979.6	1026.8	1032.0	990.1	943.0	877.5	853.9
30°	683.6	686.3	683.6	696.7	694.1	675.8	649.6	652.2	626.0	623.4
32.5°	555.3	557.9	557.9	555.3	542.2	513.4	495.1	513.4	508.1	502.9
35°	461.0	463.6	489.8	487.2	466.2	434.8	421.7	442.7	458.4	434.8
37.5°	398.1	400.8	421.7	432.2	406.0	385.0	369.3	387.7	411.2	385.0
40°	351.0	353.6	358.8	361.5	348.4	337.9	330.0	335.3	345.8	332.7
42.5°	309.1	306.5	309.1	306.5	290.7	296.0	290.7	282.9	290.7	280.3
45°	269.8	269.8	269.8	261.9	246.2	256.7	251.5	243.6	246.2	238.4
47.5°	246.2	246.2	246.2	235.7	222.6	222.6	225.3	212.2	214.8	212.2
50°	222.6	222.6	227.9	217.4	206.9	199.1	201.7	191.2	193.8	191.2
52.5°	204.3	204.3	204.3	199.1	191.2	186.0	180.7	175.5	172.9	170.3
55°	196.4	196.4	193.8	178.1	175.5	170.3	159.8	157.2	151.9	149.3
57.5°	183.4	183.4	180.7	167.6	157.2	157.2	141.4	138.8	131.0	131.0
60°	162.4	162.4	159.8	157.2	144.1	136.2	125.7	120.5	112.6	110.0
62.5°	154.5	154.5	149.3	136.2	133.6	120.5	110.0	99.5	94.3	89.1
65°	144.1	141.4	138.8	125.7	115.3	107.4	94.3	81.2	76.0	65.5
67.5°	128.3	128.3	125.7	115.3	104.8	91.7	78.6	68.1	55.0	47.1
70°	112.6	110.0	110.0	99.5	91.7	81.2	62.9	52.4	39.3	31.4
72.5°	94.3	94.3	91.7	83.8	78.6	70.7	55.0	41.9	26.2	21.0
75°	76.0	76.0	73.3	68.1	65.5	57.6	47.1	36.7	21.0	10.5
77.5°	62.9	60.2	60.2	55.0	52.4	47.1	39.3	28.8	15.7	7.9
80°	47.1	47.1	49.8	47.1	41.9	39.3	34.1	26.2	13.1	5.2
82.5°	34.1	34.1	36.7	36.7	36.7	34.1	34.1	26.2	13.1	2.6
85°	23.6	23.6	28.8	26.2	26.2	28.8	41.9	34.1	10.5	2.6
87.5°	13.1	13.1	13.1	10.5	10.5	13.1	15.7	13.1	5.2	2.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
209312.9
205669.4
195632.1
178305.3
155624.6
129855.6
104477.0
81662.7
62931.9
50005.5
38276.2
21124.9
13083.5
8421.1
4890.3
2601.0
1398.7
853.9
620.8
492.4
429.6
382.4
327.4
280.3
238.4
212.2
191.2
170.3
146.7
131.0
104.8
86.4
62.9
47.1
31.4
18.3
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5.2
2.6
2.6
2.6
2.6
0.0

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