

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: P636077

Luminaire Tested: **IFLD-S-SA3C-940-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636077
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-940-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (48) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14544.2 lumens
Efficiency: N/A
Efficacy: 90.4 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

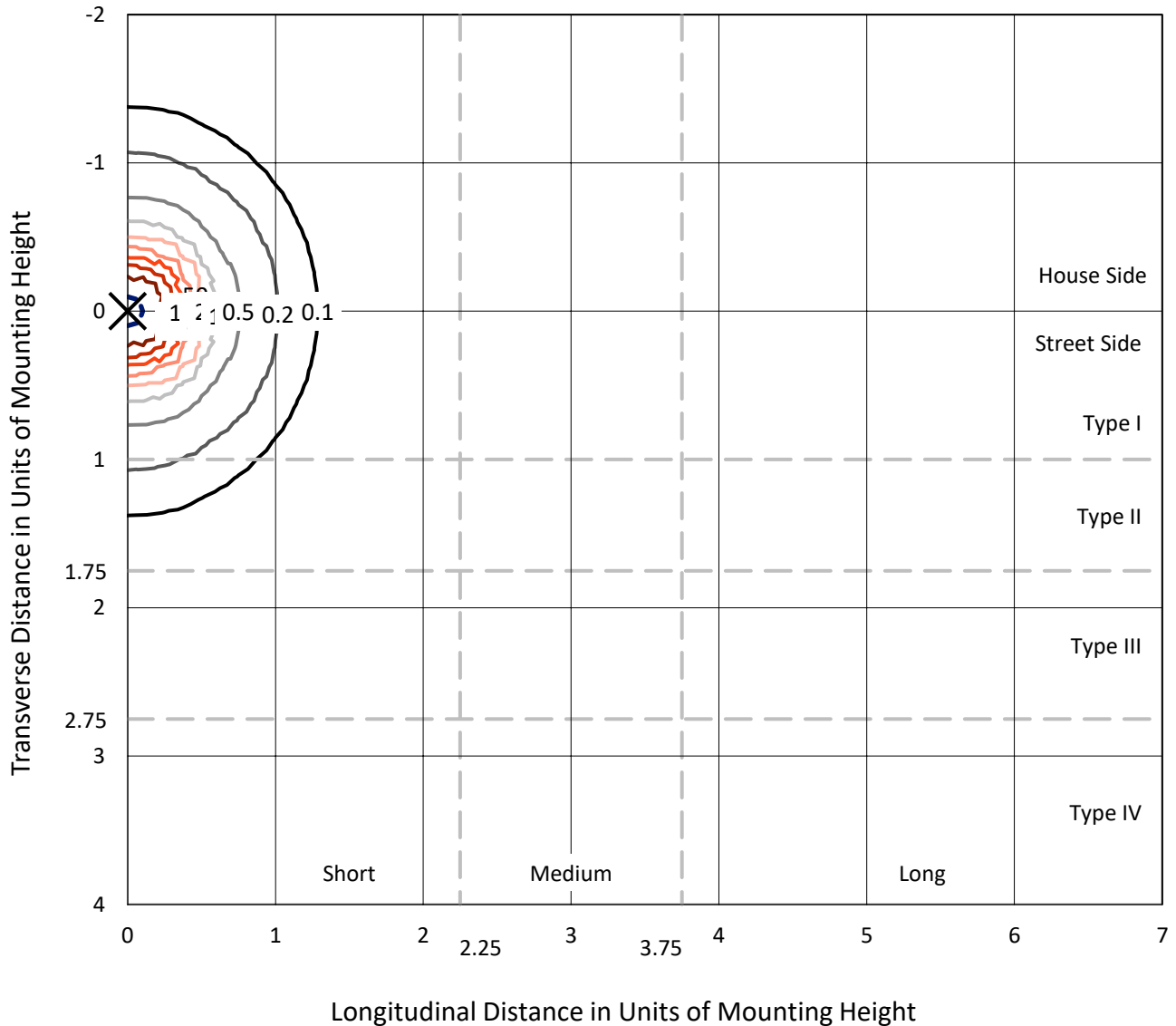
Input Watts (W): 160.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

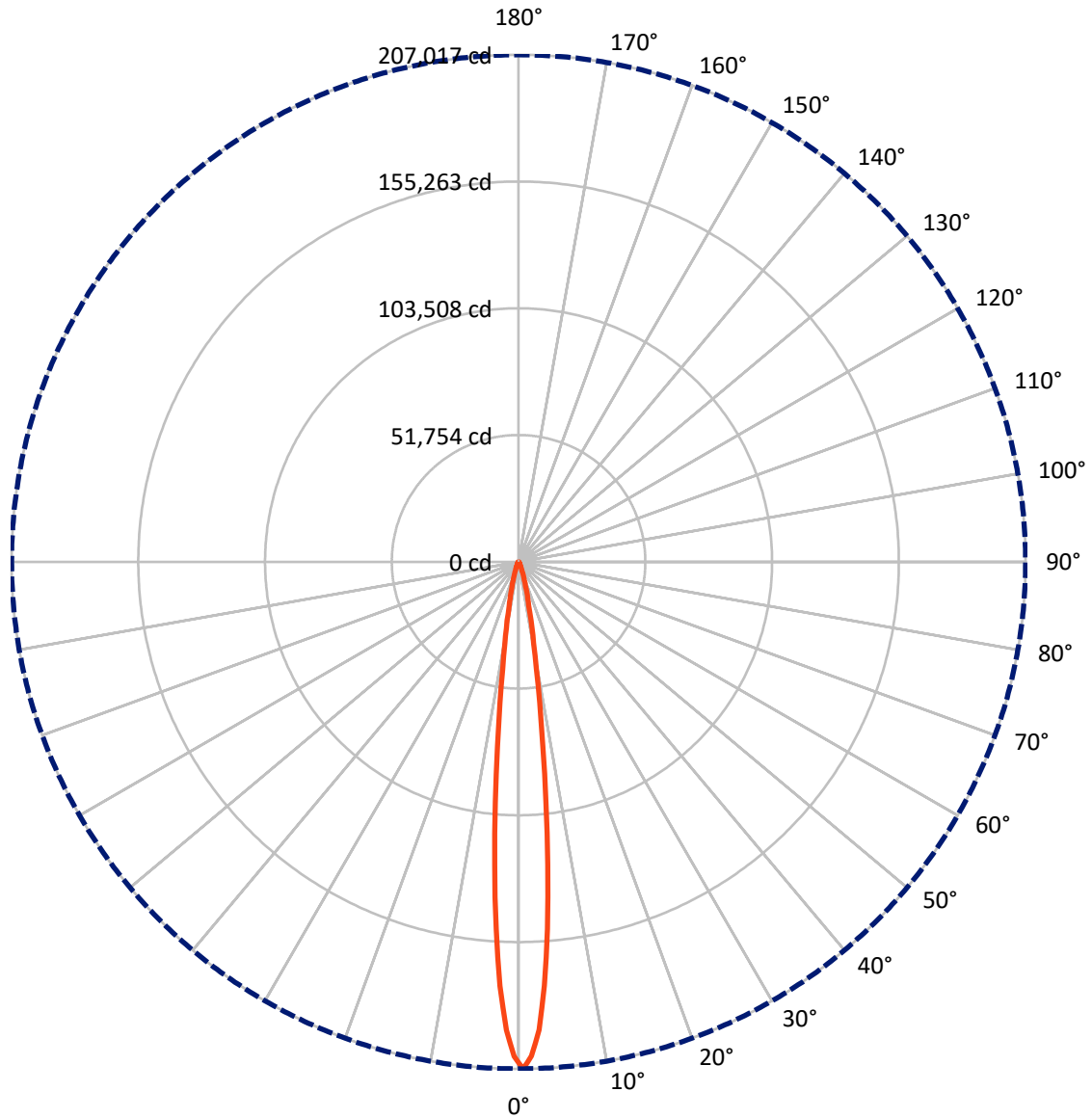
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 517.5 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	7272.1	0.0	7272.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7272.1	0.0	7272.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	14544.2	0.0	14544.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8865.8	61.0
10°-20°	3971.9	27.3
20°-30°	887.0	6.1
30°-40°	289.5	2.0
40°-50°	199.7	1.4
50°-60°	150.9	1.0
60°-70°	103.2	0.7
70°-80°	54.4	0.4
80°-90°	21.7	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°	14544.2	100.0
0°-180°	14544.2	100.0

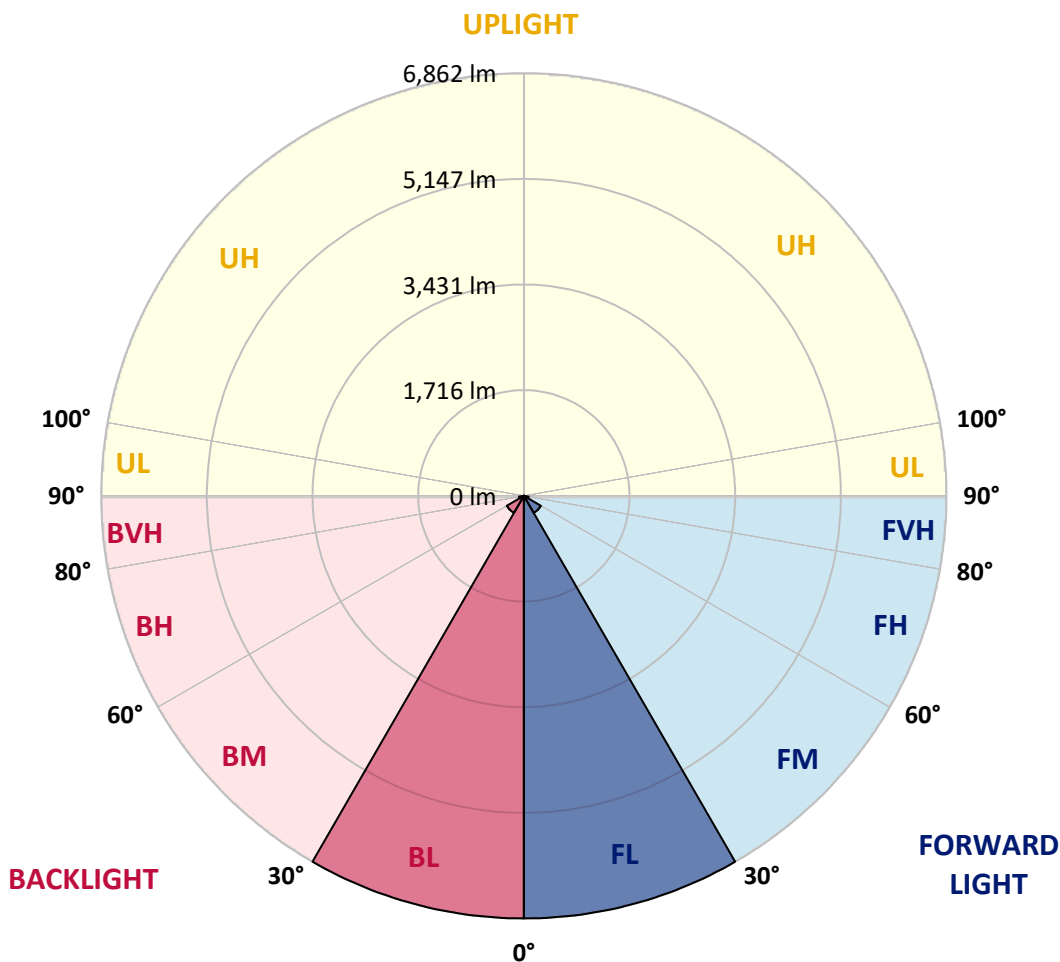


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6862.4	47.2			
FM (30°-60°)	320.0	2.2			
FH (60°-80°)	78.8	0.5			G0/660
FVH (80°-90°)	10.9	0.1			G1/100
BL (0°-30°)	6862.4	47.2	B5		
BM (30°-60°)	320.0	2.2	B1/1000		
BH (60°-80°)	78.8	0.5	B0/110		G0/660
BVH (80°-90°)	10.9	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°	207016.9	207016.9	207016.9	207016.9	207016.9	207016.9	207016.9	207016.9	207016.9	207016.9
1°	201877.1	202151.7	201846.1	203390.1	204027.3	204358.9	204397.8	205268.2	204597.3	204783.8
2°	191237.6	191849.0	190825.7	191815.3	193794.5	194543.2	193323.0	194830.7	194291.9	194605.4
3°	173359.9	174108.6	172694.1	173903.9	176450.5	177020.4	175020.5	177162.9	177108.5	177559.2
4°	150316.6	151531.6	149510.9	150943.5	152070.4	154054.8	152117.0	154554.8	154508.2	155290.5
5°	124159.4	125472.8	123716.4	125203.4	126270.7	127009.0	126299.2	128996.0	129167.0	129975.2
6°	98564.3	99789.6	97828.6	99248.2	100939.9	101243.0	101059.0	103380.2	103895.7	103266.2
7°	75855.2	76160.8	75852.6	77142.7	78500.2	78549.4	78787.7	80829.1	81282.4	81064.8
8°	58094.0	56695.1	57897.2	58581.1	59000.8	60928.2	61070.6	62099.1	62933.3	62992.9
9°	44221.4	42926.1	44317.3	44589.3	45553.0	47265.4	47050.4	48174.7	48698.0	48664.3
10°	33714.0	33056.0	33752.8	34053.3	34846.1	36296.8	36548.1	37063.6	37452.2	37706.1
12.5°	18294.8	18447.6	18851.7	19167.8	20235.1	20621.1	20776.6	20820.6	20818.0	20859.5
15°	11364.9	11489.3	11771.7	12344.2	12994.4	13473.7	13541.0	13292.3	13077.3	13043.6
17.5°	7087.9	7038.6	7701.8	8328.8	9111.1	9359.8	9100.8	8815.8	8523.1	8354.7
20°	4253.8	4287.4	4512.8	4792.6	5424.7	5854.7	5585.3	5295.2	4992.1	4792.6
22.5°	2417.0	2453.3	2551.7	2696.8	2937.7	3328.9	3157.9	2865.2	2650.2	2562.1
25°	1427.4	1427.4	1487.0	1551.8	1652.8	1743.5	1707.2	1551.8	1424.8	1388.6
27.5°	924.8	917.1	937.8	968.9	1015.5	1020.7	979.2	932.6	867.8	844.5
30°	676.1	678.7	676.1	689.1	686.5	668.4	642.5	645.1	619.2	616.6
32.5°	549.2	551.8	551.8	549.2	536.3	507.8	489.6	507.8	502.6	497.4
35°	455.9	458.5	484.4	481.9	461.1	430.0	417.1	437.8	453.4	430.0
37.5°	393.8	396.4	417.1	427.4	401.5	380.8	365.3	383.4	406.7	380.8
40°	347.1	349.7	354.9	357.5	344.5	334.2	326.4	331.6	342.0	329.0
42.5°	305.7	303.1	305.7	303.1	287.6	292.7	287.6	279.8	287.6	277.2
45°	266.8	266.8	266.8	259.1	243.5	253.9	248.7	240.9	243.5	235.7
47.5°	243.5	243.5	243.5	233.2	220.2	220.2	222.8	209.8	212.4	209.8
50°	220.2	220.2	225.4	215.0	204.7	196.9	199.5	189.1	191.7	189.1
52.5°	202.1	202.1	202.1	196.9	189.1	183.9	178.8	173.6	171.0	168.4
55°	194.3	194.3	191.7	176.2	173.6	168.4	158.0	155.4	150.3	147.7
57.5°	181.3	181.3	178.8	165.8	155.4	155.4	139.9	137.3	129.5	129.5
60°	160.6	160.6	158.0	155.4	142.5	134.7	124.3	119.2	111.4	108.8
62.5°	152.8	152.8	147.7	134.7	132.1	119.2	108.8	98.4	93.3	88.1
65°	142.5	139.9	137.3	124.3	114.0	106.2	93.3	80.3	75.1	64.8
67.5°	126.9	126.9	124.3	114.0	103.6	90.7	77.7	67.4	54.4	46.6
70°	111.4	108.8	108.8	98.4	90.7	80.3	62.2	51.8	38.9	31.1
72.5°	93.3	93.3	90.7	82.9	77.7	69.9	54.4	41.4	25.9	20.7
75°	75.1	75.1	72.5	67.4	64.8	57.0	46.6	36.3	20.7	10.4
77.5°	62.2	59.6	59.6	54.4	51.8	46.6	38.9	28.5	15.5	7.8
80°	46.6	46.6	49.2	46.6	41.4	38.9	33.7	25.9	13.0	5.2
82.5°	33.7	33.7	36.3	36.3	36.3	33.7	33.7	25.9	13.0	2.6
85°	23.3	23.3	28.5	25.9	25.9	28.5	41.4	33.7	10.4	2.6
87.5°	13.0	13.0	13.0	10.4	10.4	13.0	15.5	13.0	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°
207016.9
203413.4
193486.2
176349.4
153917.5
128431.2
103331.0
80766.9
62241.6
49457.0
37856.3
20893.1
12940.0
8328.8
4836.6
2572.5
1383.4
844.5
614.0
487.0
424.9
378.2
323.8
277.2
235.7
209.8
189.1
168.4
145.1
129.5
103.6
85.5
62.2
46.6
31.1
18.1
10.4
5.2
2.6
2.6
2.6
2.6
0.0

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