

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: P636097

Luminaire Tested: **IFLD-L-SA8C-940-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636097
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-940-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (128) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34787.3 lumens
Efficiency: N/A
Efficacy: 82.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

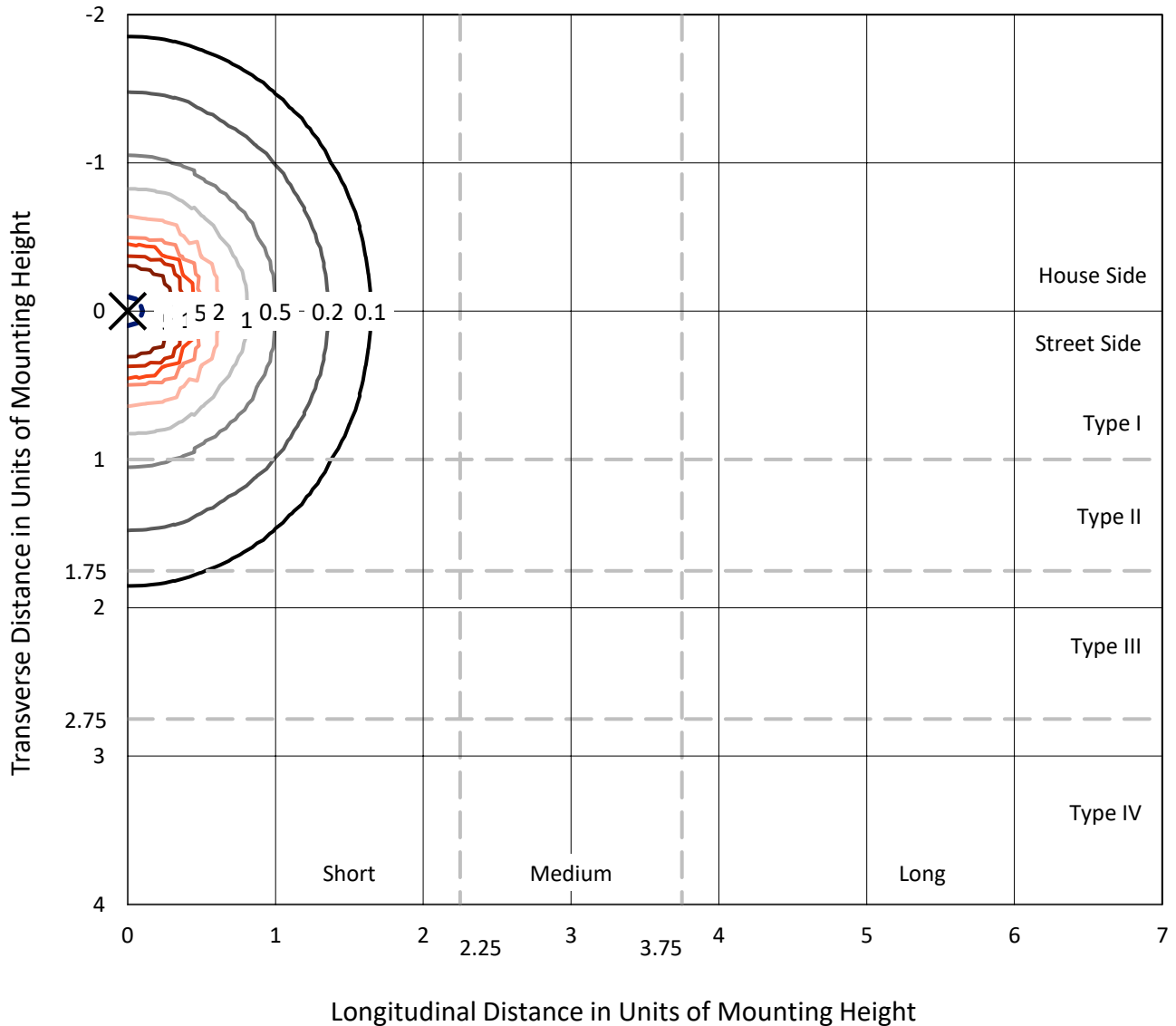
Input Watts (W): 420.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

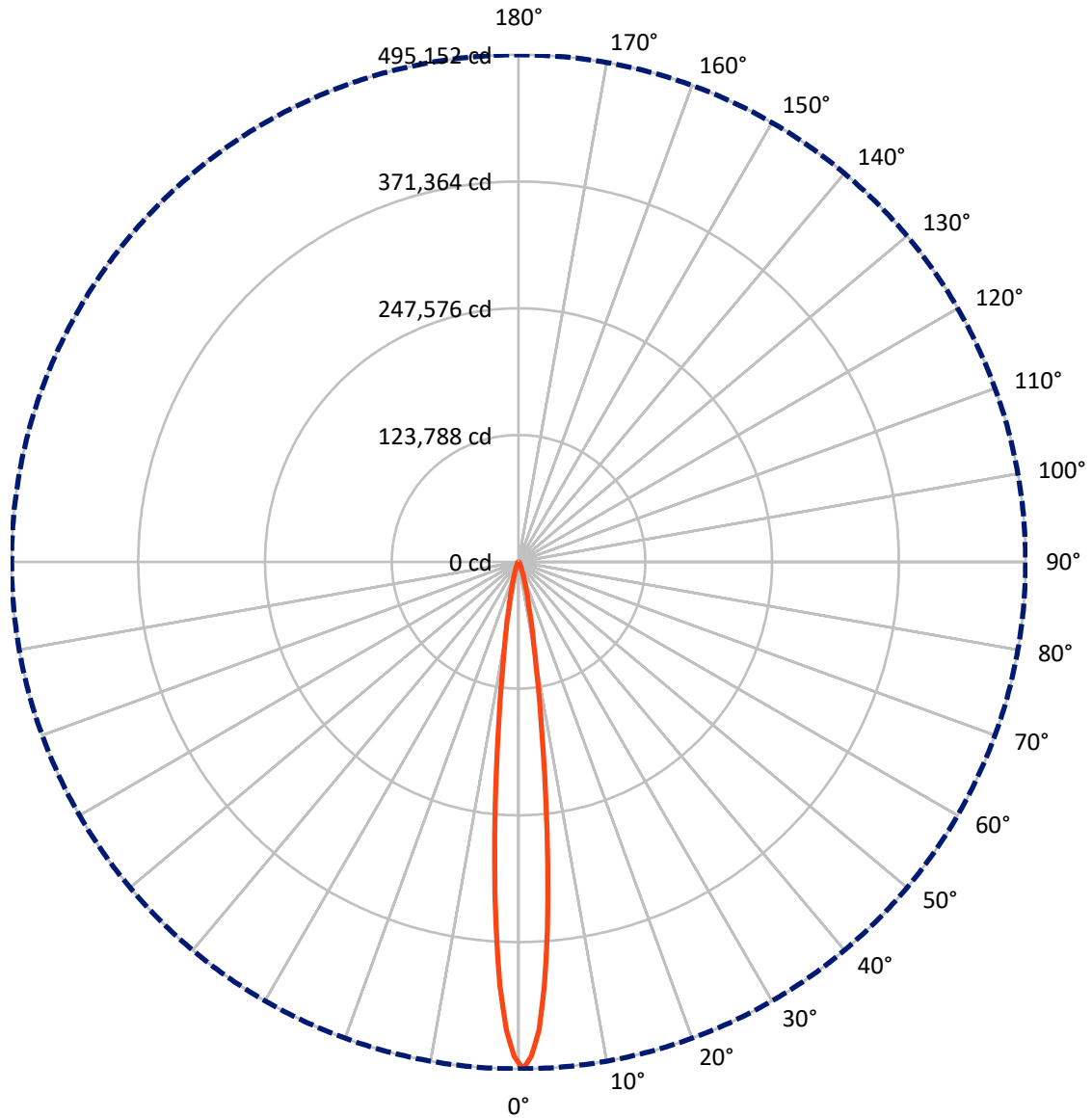
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1237.9 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	17393.7	0.0	17393.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17393.7	0.0	17393.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	34787.3	0.0	34787.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21205.7	61.0
10°-20°	9500.3	27.3
20°-30°	2121.6	6.1
30°-40°	692.5	2.0
40°-50°	477.6	1.4
50°-60°	360.8	1.0
60°-70°	246.9	0.7
70°-80°	130.0	0.4
80°-90°	51.9	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°	34787.3	100.0
0°-180°	34787.3	100.0

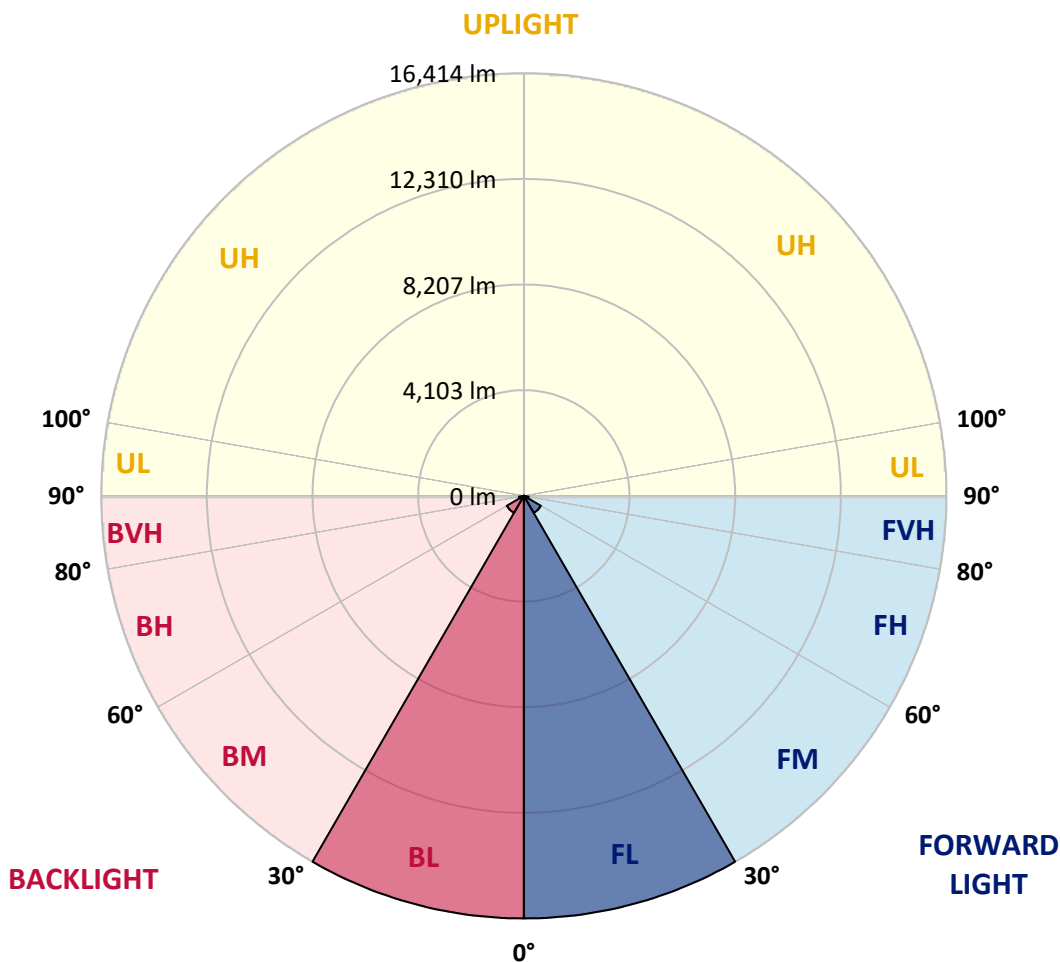


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	16413.8	47.2			
FM (30°-60°)	765.4	2.2			
FH (60°-80°)	188.5	0.5			G0/660
FVH (80°-90°)	26.0	0.1			G1/100
BL (0°-30°)	16413.8	47.2	B5		
BM (30°-60°)	765.4	2.2	B1/1000		
BH (60°-80°)	188.5	0.5	B1/500		G0/660
BVH (80°-90°)	26.0	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°	495151.9	495151.9	495151.9	495151.9	495151.9	495151.9	495151.9	495151.9	495151.9	495151.9
1°	482858.5	483515.3	482784.1	486477.1	488001.4	488794.6	488887.5	490969.5	489364.6	489810.7
2°	457410.3	458872.7	456425.1	458792.1	463526.1	465316.8	462398.3	466004.6	464715.8	465465.5
3°	414649.7	416440.4	413057.3	415950.9	422041.9	423405.1	418621.5	423745.9	423615.7	424693.9
4°	359533.7	362439.8	357606.6	361033.2	363728.6	368474.9	363840.1	369670.8	369559.3	371430.6
5°	296969.7	300111.2	295910.2	299466.8	302019.7	303785.6	302087.9	308538.2	308947.2	310880.4
6°	235750.4	238681.2	233990.6	237386.2	241432.4	242157.3	241717.4	247269.3	248502.3	246996.6
7°	181433.6	182164.8	181427.5	184513.2	187760.1	187877.8	188447.9	193330.5	194414.9	193894.4
8°	138951.9	135605.9	138480.9	140116.8	141120.6	145730.6	146071.4	148531.3	150526.5	150669.1
9°	105770.7	102672.6	106000.0	106650.6	108955.6	113051.4	112537.1	115226.3	116477.9	116397.4
10°	80638.6	79064.7	80731.5	81450.3	83346.3	86816.3	87417.3	88650.4	89579.8	90187.0
12.5°	43758.2	44123.8	45090.4	45846.4	48399.2	49322.5	49694.3	49799.6	49793.4	49892.5
15°	27183.1	27480.6	28156.0	29525.3	31080.6	32226.9	32388.0	31793.2	31278.9	31198.3
17.5°	16953.1	16835.3	18421.6	19921.1	21792.4	22387.2	21767.6	21086.0	20385.8	19983.0
20°	10174.3	10254.9	10793.9	11463.1	12975.0	14003.6	13359.2	12665.2	11940.3	11463.1
22.5°	5781.1	5867.9	6103.3	6450.3	7026.6	7962.2	7553.3	6853.1	6338.8	6128.1
25°	3414.2	3414.2	3556.7	3711.6	3953.2	4170.1	4083.4	3711.6	3408.0	3321.2
27.5°	2212.1	2193.5	2243.1	2317.4	2428.9	2441.3	2342.2	2230.7	2075.8	2020.0
30°	1617.2	1623.4	1617.2	1648.2	1642.0	1598.6	1536.7	1542.9	1480.9	1474.7
32.5°	1313.6	1319.8	1319.8	1313.6	1282.6	1214.5	1171.1	1214.5	1202.1	1189.7
35°	1090.5	1096.7	1158.7	1152.5	1102.9	1028.6	997.6	1047.2	1084.4	1028.6
37.5°	941.8	948.0	997.6	1022.4	960.4	910.9	873.7	917.1	972.8	910.9
40°	830.3	836.5	848.9	855.1	824.1	799.3	780.7	793.1	817.9	786.9
42.5°	731.2	725.0	731.2	725.0	687.8	700.2	687.8	669.2	687.8	663.0
45°	638.2	638.2	638.2	619.6	582.5	607.2	594.8	576.3	582.5	563.9
47.5°	582.5	582.5	582.5	557.7	526.7	526.7	532.9	501.9	508.1	501.9
50°	526.7	526.7	539.1	514.3	489.5	470.9	477.1	452.3	458.5	452.3
52.5°	483.3	483.3	483.3	470.9	452.3	439.9	427.5	415.2	409.0	402.8
55°	464.7	464.7	458.5	421.3	415.2	402.8	378.0	371.8	359.4	353.2
57.5°	433.7	433.7	427.5	396.6	371.8	371.8	334.6	328.4	309.8	309.8
60°	384.2	384.2	378.0	371.8	340.8	322.2	297.4	285.0	266.4	260.2
62.5°	365.6	365.6	353.2	322.2	316.0	285.0	260.2	235.5	223.1	210.7
65°	340.8	334.6	328.4	297.4	272.6	254.0	223.1	192.1	179.7	154.9
67.5°	303.6	303.6	297.4	272.6	247.9	216.9	185.9	161.1	130.1	111.5
70°	266.4	260.2	260.2	235.5	216.9	192.1	148.7	123.9	92.9	74.4
72.5°	223.1	223.1	216.9	198.3	185.9	167.3	130.1	99.1	62.0	49.6
75°	179.7	179.7	173.5	161.1	154.9	136.3	111.5	86.7	49.6	24.8
77.5°	148.7	142.5	142.5	130.1	123.9	111.5	92.9	68.2	37.2	18.6
80°	111.5	111.5	117.7	111.5	99.1	92.9	80.6	62.0	31.0	12.4
82.5°	80.6	80.6	86.7	86.7	86.7	80.6	80.6	62.0	31.0	6.2
85°	55.8	55.8	68.2	62.0	62.0	68.2	99.1	80.6	24.8	6.2
87.5°	31.0	31.0	31.0	24.8	24.8	31.0	37.2	31.0	12.4	6.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
495151.9
486532.9
462788.7
421800.2
368146.5
307187.4
247151.5
193181.8
148872.1
118293.4
90546.4
49973.1
30950.5
19921.1
11568.5
6152.9
3308.8
2020.0
1468.5
1164.9
1016.2
904.7
774.5
663.0
563.9
501.9
452.3
402.8
347.0
309.8
247.9
204.5
148.7
111.5
74.4
43.4
24.8
12.4
6.2
6.2
6.2
6.2
0.0

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