

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: P636232

Luminaire Tested: **IFLD-M-SA4C-940-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636232
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4C-940-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (64) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19660.7 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

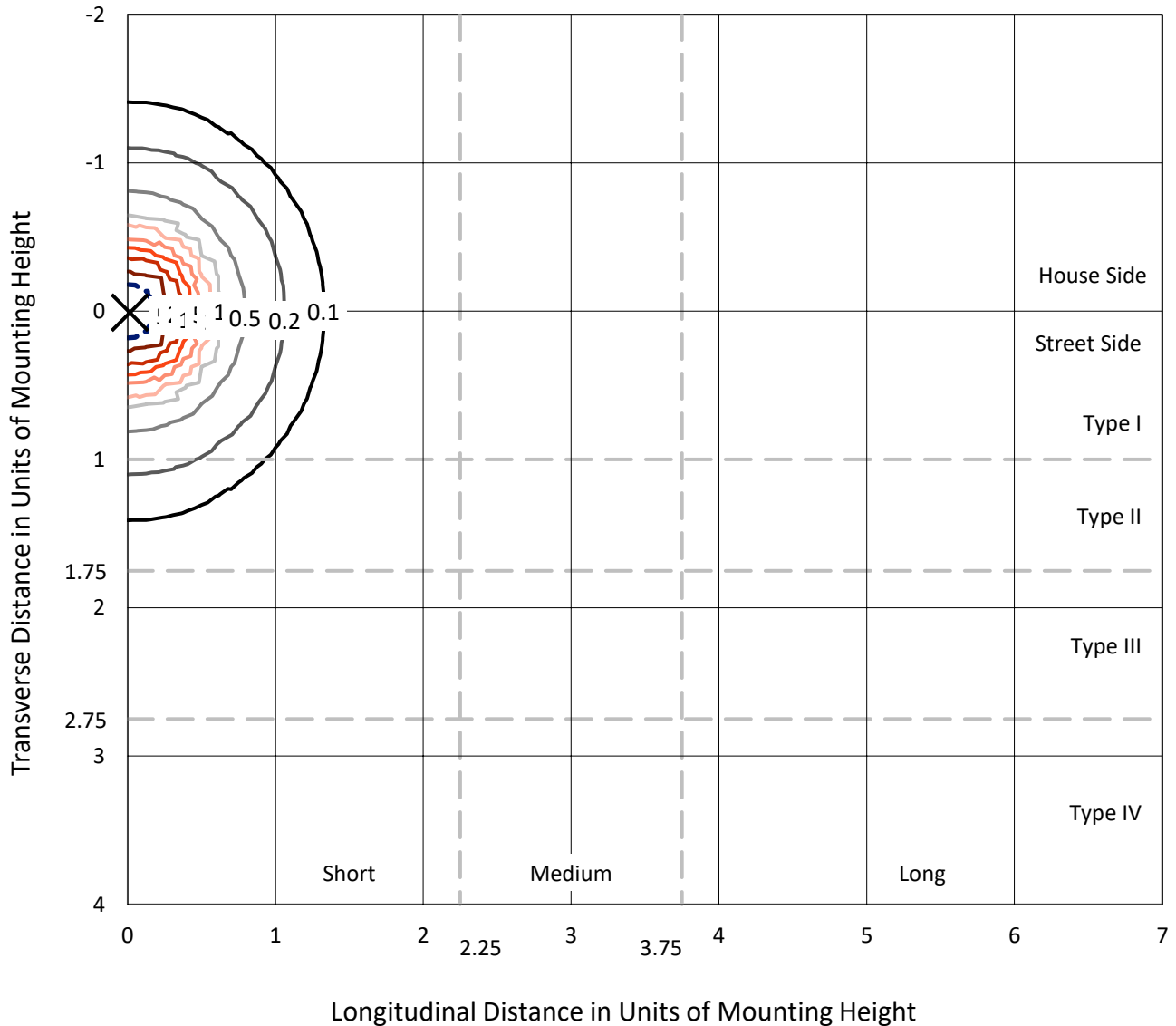
Input Watts (W): 218.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

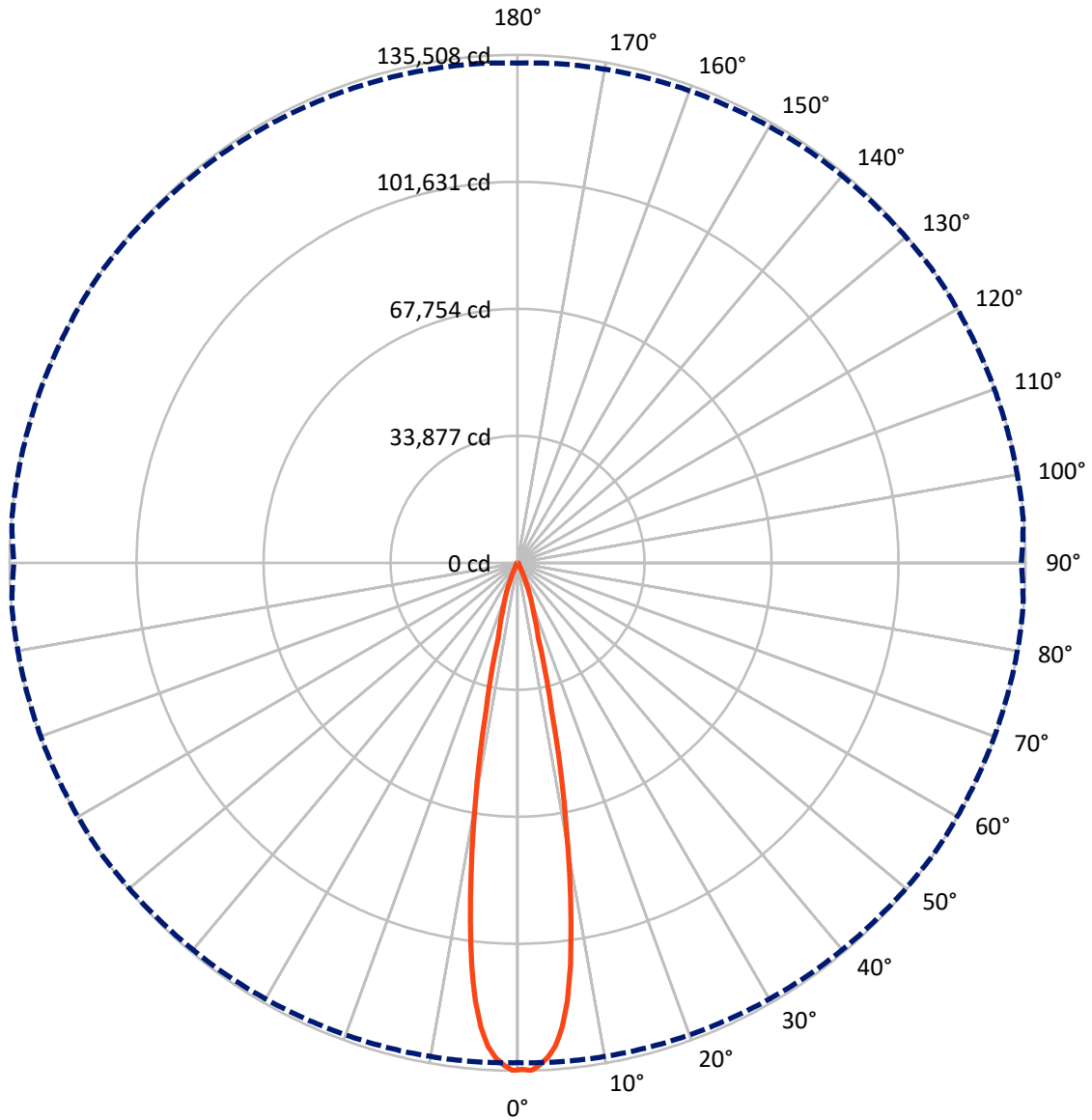
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 337.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 1-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9830.3	0.0	9830.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9830.3	0.0	9830.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	19660.7	0.0	19660.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9989.1	50.8
10°-20°	7079.4	36.0
20°-30°	1658.8	8.4
30°-40°	346.7	1.8
40°-50°	223.7	1.1
50°-60°	165.7	0.8
60°-70°	112.6	0.6
70°-80°	60.1	0.3
80°-90°	24.6	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°	19660.7	100.0
0°-180°	19660.7	100.0

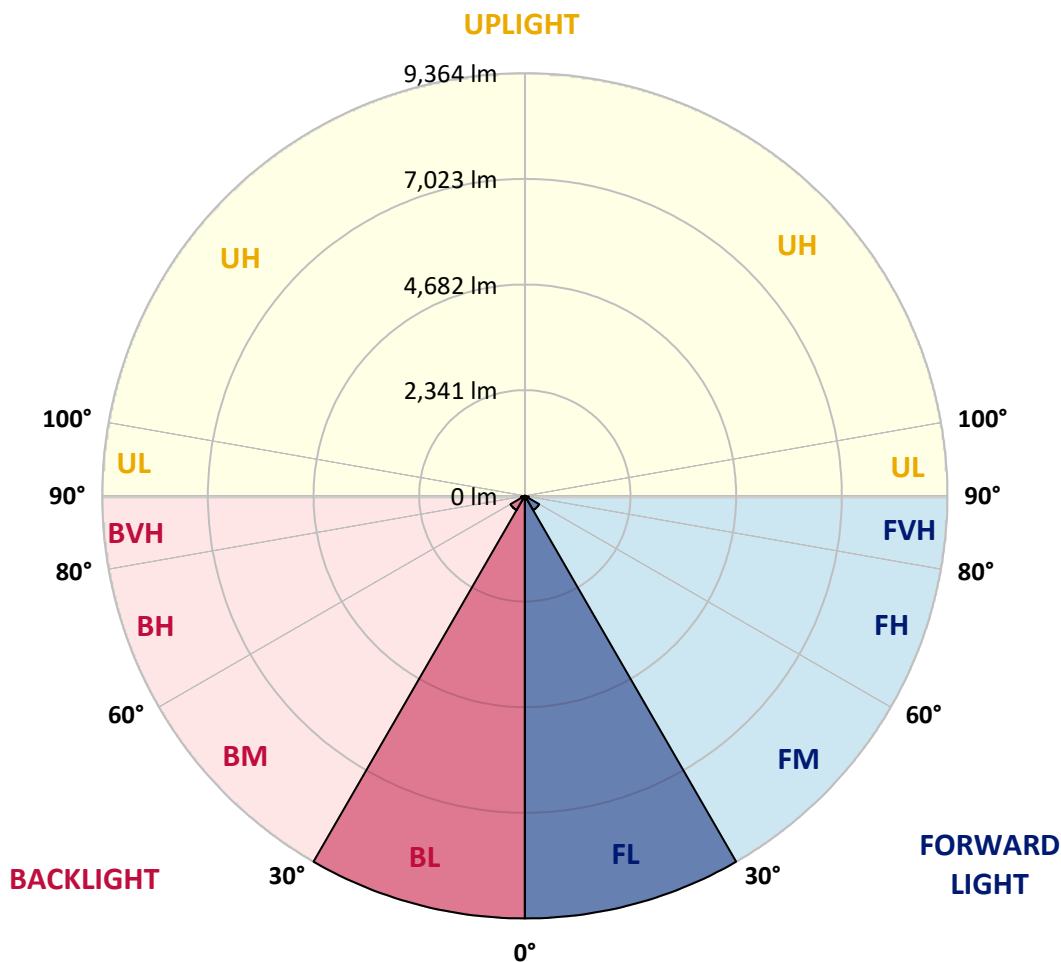


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9363.7	47.6			
FM (30°-60°)	368.0	1.9			
FH (60°-80°)	86.3	0.4			G0/660
FVH (80°-90°)	12.3	0.1			G1/100
BL (0°-30°)	9363.7	47.6	B5		
BM (30°-60°)	368.0	1.9	B1/1000		
BH (60°-80°)	86.3	0.4	B0/110		G0/660
BVH (80°-90°)	12.3	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°	135160.3	135160.3	135160.3	135160.3	135160.3	135160.3	135160.3	135160.3	135160.3	135160.3
1°	133341.8	133588.7	133891.2	134165.8	134579.6	134916.9	135508.0	135382.8	135365.4	135389.7
2°	130758.4	131067.9	131533.8	131808.5	132875.9	133314.0	134207.6	134471.8	134259.7	134499.6
3°	126888.5	127142.4	127872.5	128411.5	129795.3	130977.5	132173.5	132569.9	132323.1	132434.3
4°	122281.6	122542.3	123425.5	124524.2	126523.5	127834.3	129266.8	129621.4	128814.8	128870.4
5°	116798.4	116920.1	118001.4	119002.8	121394.9	122983.9	124343.4	124454.7	123717.6	123435.9
6°	110630.2	110411.2	111405.6	111829.8	114802.6	116422.9	117417.3	117288.6	116728.8	116488.9
7°	103300.8	103001.8	103804.9	103575.5	106207.5	107132.4	108088.6	107650.5	107205.4	107758.3
8°	94820.5	94653.6	94135.5	95074.3	95595.8	96423.3	96419.9	96166.0	96152.1	97073.5
9°	82491.1	84031.4	83575.9	84559.9	84427.8	84389.5	84135.7	83972.3	83276.9	84337.4
10°	68951.8	69960.1	70728.5	72195.8	71910.7	72314.0	70902.4	71142.3	70679.8	71556.0
12.5°	35691.1	36824.6	37488.7	38608.3	39839.1	41097.8	40691.0	40270.3	39640.9	40412.8
15°	17569.1	18017.7	18229.8	19366.7	20242.9	20559.3	20608.0	20236.0	20076.0	20242.9
17.5°	10782.1	10938.5	11554.0	12861.3	13619.3	13807.0	13685.4	13278.5	12823.1	12631.8
20°	7805.8	7851.0	8084.0	8337.8	9349.6	9878.1	9683.4	9283.5	8862.8	8664.6
22.5°	5097.2	5142.4	5218.9	5358.0	5629.2	6282.9	6070.8	5799.6	5514.5	5455.4
25°	2885.9	2885.9	2965.9	3108.4	3310.1	3358.8	3400.5	3111.9	2979.8	2920.7
27.5°	1609.8	1620.3	1637.7	1693.3	1794.1	1783.7	1738.5	1662.0	1571.6	1477.7
30°	890.1	900.5	911.0	924.9	942.3	911.0	883.2	869.2	831.0	820.6
32.5°	667.6	667.6	674.5	671.1	653.7	615.4	598.0	618.9	615.4	598.0
35°	549.4	549.4	556.3	570.2	535.5	507.6	493.7	521.5	521.5	511.1
37.5°	448.5	452.0	455.5	472.9	462.4	431.1	427.7	434.6	438.1	434.6
40°	392.9	389.4	389.4	392.9	385.9	379.0	372.0	368.6	372.0	368.6
42.5°	340.7	337.3	344.2	337.3	323.4	326.8	326.8	316.4	319.9	312.9
45°	299.0	295.5	299.0	292.1	281.6	285.1	285.1	271.2	271.2	267.7
47.5°	264.2	264.2	264.2	267.7	250.3	246.9	250.3	246.9	236.4	233.0
50°	229.5	233.0	236.4	243.4	226.0	219.0	219.0	219.0	212.1	208.6
52.5°	212.1	215.6	215.6	215.6	205.1	198.2	198.2	194.7	191.2	187.8
55°	205.1	205.1	205.1	191.2	187.8	184.3	173.8	170.4	166.9	166.9
57.5°	194.7	194.7	191.2	180.8	170.4	170.4	156.5	153.0	149.5	149.5
60°	173.8	173.8	173.8	170.4	156.5	153.0	139.1	132.1	128.6	128.6
62.5°	159.9	159.9	159.9	146.0	142.6	132.1	121.7	111.3	107.8	100.8
65°	146.0	146.0	146.0	132.1	125.2	114.7	100.8	90.4	83.4	73.0
67.5°	135.6	135.6	132.1	121.7	111.3	97.4	83.4	73.0	59.1	52.2
70°	118.2	118.2	114.7	107.8	97.4	86.9	69.5	55.6	45.2	34.8
72.5°	100.8	100.8	97.4	90.4	83.4	73.0	59.1	48.7	31.3	24.3
75°	83.4	83.4	80.0	73.0	69.5	62.6	52.2	38.2	24.3	10.4
77.5°	69.5	69.5	66.1	62.6	59.1	52.2	45.2	31.3	17.4	7.0
80°	52.2	55.6	55.6	55.6	48.7	45.2	41.7	31.3	13.9	3.5
82.5°	38.2	41.7	41.7	41.7	38.2	34.8	38.2	27.8	13.9	3.5
85°	27.8	27.8	31.3	31.3	31.3	31.3	41.7	31.3	10.4	3.5
87.5°	13.9	13.9	13.9	13.9	13.9	17.4	20.9	17.4	7.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
135160.3
134419.7
133588.7
131599.8
128042.9
122848.3
115950.0
107587.9
94518.0
82359.0
69309.9
38323.2
19464.1
12364.1
8511.6
5333.7
2872.0
1481.2
820.6
587.6
507.6
434.6
372.0
316.4
267.7
233.0
205.1
184.3
163.4
149.5
125.2
93.9
73.0
48.7
34.8
20.9
10.4
3.5
3.5
3.5
3.5
0.0
0.0

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