

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: P524129

Luminaire Tested: **IFLD-M-SA4E-930-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524129
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-930-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (64) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

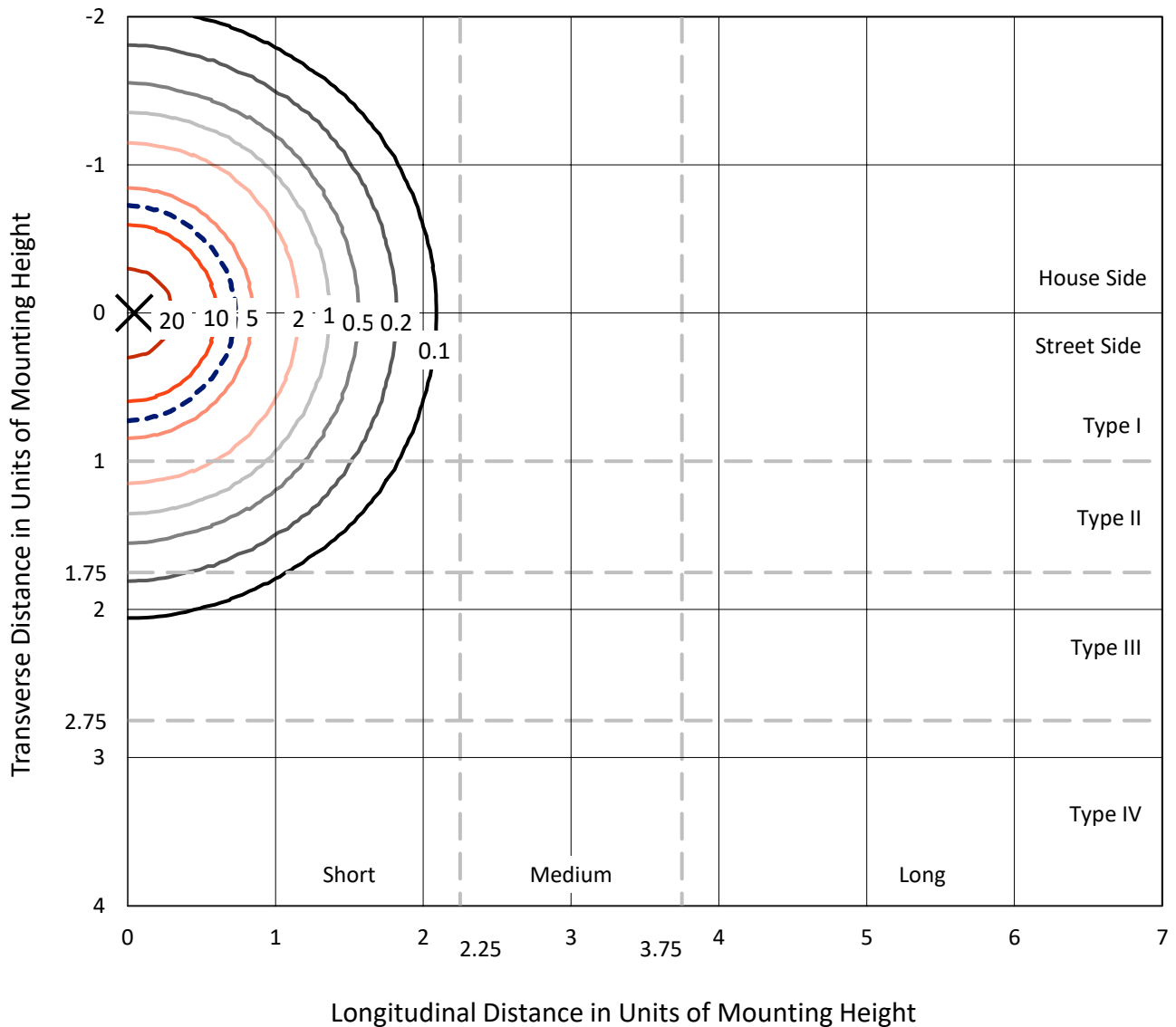
Lumens per Lamp: N/A
Luminaire Lumens: 24041.6 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 314.8
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: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

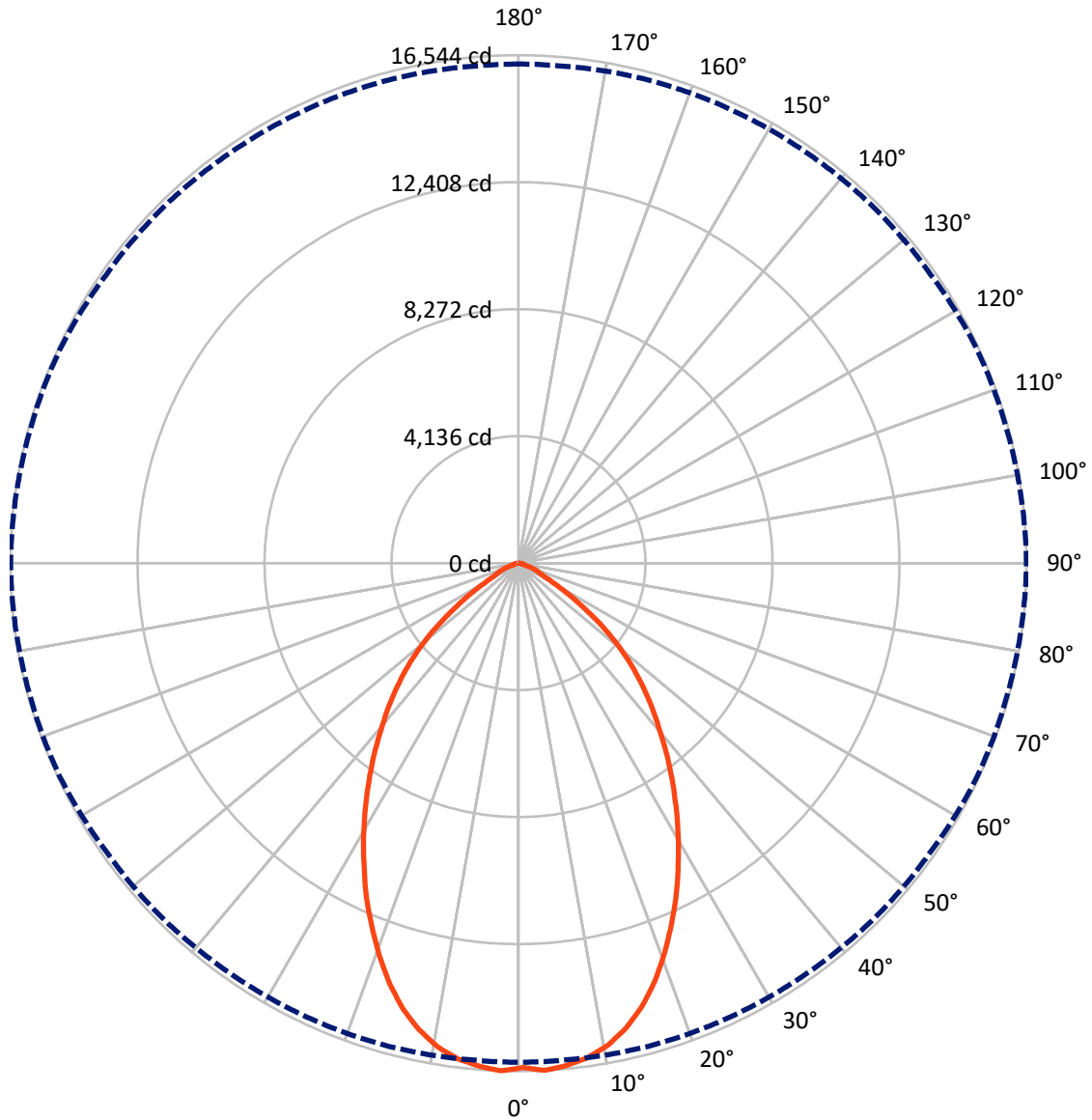
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 26.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12020.8	0.0	12020.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12020.8	0.0	12020.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	24041.6	0.0	24041.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1542.7	6.4
10°-20°	4145.2	17.2
20°-30°	5363.1	22.3
30°-40°	5289.3	22.0
40°-50°	4279.3	17.8
50°-60°	2329.9	9.7
60°-70°	738.2	3.1
70°-80°	285.6	1.2
80°-90°	68.3	0.3
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°	24041.6	100.0
0°-180°	24041.6	100.0

Coefficient of Utilization



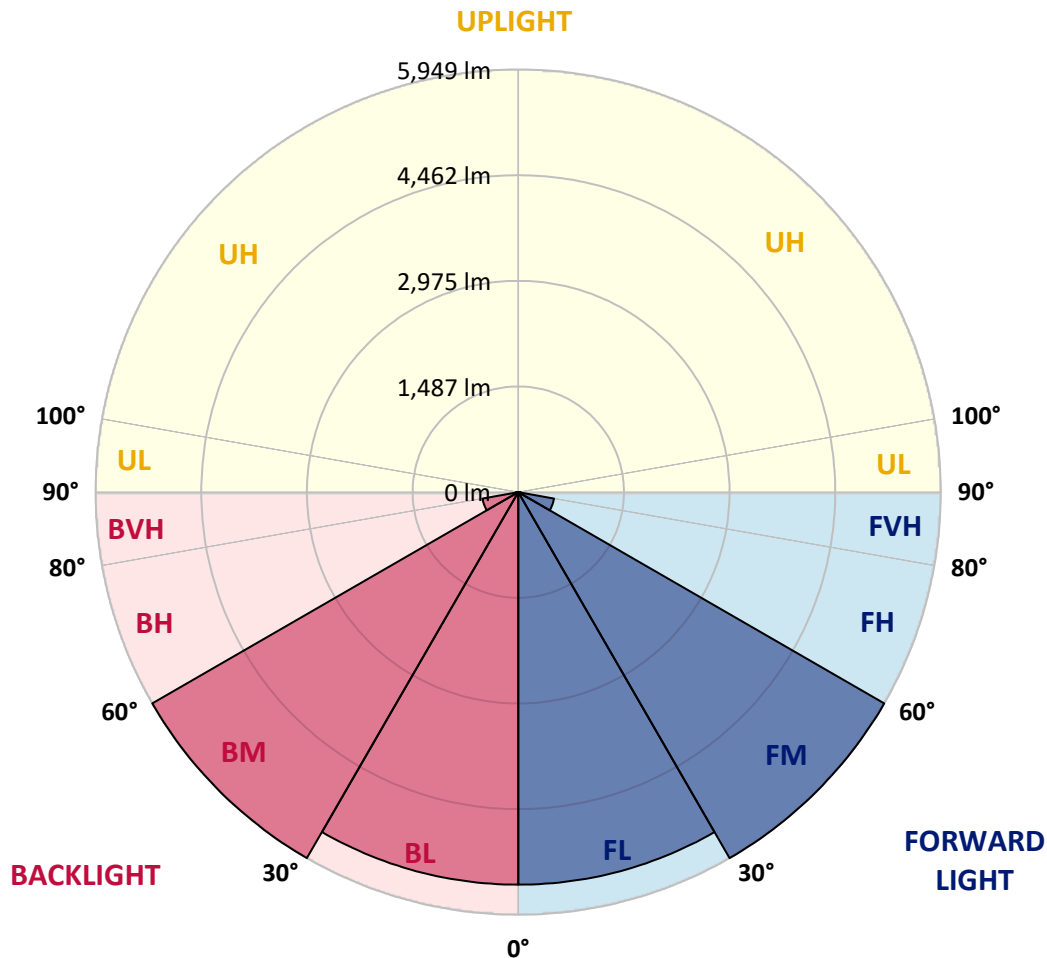
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5525.5	23.0			
FM (30°-60°)	5949.3	24.7			
FH (60°-80°)	511.9	2.1			G0/660
FVH (80°-90°)	34.1	0.1			G1/100
BL (0°-30°)	5525.5	23.0	B5		
BM (30°-60°)	5949.3	24.7	B4/8500		
BH (60°-80°)	511.9	2.1	B2/1000		G0/660
BVH (80°-90°)	34.1	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°	90°
0°	16433.1	16433.1	16433.1	16433.1	16433.1	16433.1	16433.1	16433.1	16433.1	16433.1	16433.1
2.5°	16256.0	16252.5	16294.2	16311.5	16332.4	16374.1	16388.0	16478.3	16488.7	16523.4	16544.3
5°	16228.2	16214.3	16256.0	16262.9	16287.2	16294.2	16315.0	16377.5	16370.6	16422.7	16433.1
7.5°	16078.8	16061.5	16096.2	16103.1	16137.9	16127.5	16162.2	16207.3	16207.3	16245.5	16262.9
10°	15745.4	15741.9	15776.6	15780.1	15828.7	15818.3	15873.9	15884.3	15912.1	15939.9	15971.1
12.5°	15345.9	15300.8	15345.9	15328.5	15394.5	15356.3	15432.8	15457.1	15471.0	15519.6	15543.9
15°	14831.8	14776.3	14807.5	14790.2	14831.8	14783.2	14863.1	14911.7	14929.1	14977.7	15002.0
17.5°	14144.1	14098.9	14105.9	14081.6	14109.3	14071.1	14147.6	14224.0	14248.3	14300.4	14335.1
20°	13279.2	13279.2	13282.7	13261.8	13286.1	13247.9	13296.5	13414.6	13439.0	13508.4	13567.5
22.5°	12435.1	12435.1	12445.5	12417.8	12424.7	12407.3	12459.4	12574.1	12612.3	12685.2	12758.2
25°	11625.8	11611.9	11618.9	11594.5	11566.7	11573.7	11636.2	11709.2	11792.5	11886.3	11941.9
27.5°	10854.7	10872.0	10830.4	10813.0	10792.2	10753.9	10826.9	10917.2	10976.3	11052.7	11080.5
30°	10031.5	10066.2	10034.9	10021.0	9968.9	9920.3	9996.7	10087.0	10146.1	10219.0	10250.3
32.5°	9298.6	9288.1	9260.3	9229.1	9177.0	9138.8	9170.0	9274.2	9319.4	9395.8	9406.2
35°	8513.5	8506.6	8489.2	8426.7	8409.3	8364.2	8392.0	8482.3	8517.0	8562.2	8596.9
37.5°	7745.9	7721.6	7714.6	7690.3	7659.1	7648.6	7648.6	7697.3	7732.0	7777.2	7811.9
40°	6985.2	6992.2	6971.3	6950.5	6940.0	6926.2	6929.6	6957.4	6985.2	7006.0	7026.9
42.5°	6297.5	6259.2	6245.3	6224.5	6234.9	6252.3	6214.1	6255.8	6290.5	6290.5	6335.7
45°	5509.0	5526.3	5533.3	5568.0	5568.0	5550.6	5536.8	5557.6	5592.3	5588.9	5634.0
47.5°	4821.2	4800.4	4817.7	4869.8	4915.0	4921.9	4880.3	4890.7	4901.1	4883.7	4925.4
50°	4067.5	4074.4	4070.9	4150.8	4241.1	4209.9	4178.6	4189.0	4185.6	4185.6	4192.5
52.5°	3247.7	3265.1	3244.2	3358.9	3456.1	3431.8	3411.0	3411.0	3428.3	3424.9	3421.4
55°	2500.9	2494.0	2448.8	2504.4	2591.2	2594.7	2563.4	2577.3	2594.7	2612.1	2608.6
57.5°	1861.8	1841.0	1778.4	1781.9	1879.2	1903.5	1875.7	1872.2	1893.1	1900.0	1938.2
60°	1253.9	1250.5	1194.9	1191.4	1229.6	1295.6	1264.4	1264.4	1271.3	1281.7	1292.1
62.5°	858.0	864.9	844.1	840.6	847.5	903.1	899.6	896.2	892.7	906.6	903.1
65°	673.9	677.3	670.4	670.4	673.9	698.2	722.5	726.0	729.4	732.9	729.4
67.5°	541.9	545.3	538.4	545.3	545.3	548.8	583.5	597.4	600.9	600.9	597.4
70°	416.8	430.7	437.7	437.7	437.7	437.7	462.0	479.3	475.9	455.0	434.2
72.5°	208.4	253.6	350.8	354.3	350.8	347.3	361.2	378.6	375.1	264.0	198.0
75°	138.9	149.4	274.4	288.3	284.8	270.9	284.8	305.7	298.7	170.2	163.3
77.5°	79.9	86.8	184.1	211.9	229.3	198.0	225.8	246.6	236.2	138.9	135.5
80°	62.5	59.0	132.0	163.3	156.3	125.0	184.1	198.0	180.6	104.2	93.8
82.5°	38.2	38.2	86.8	125.0	114.6	72.9	128.5	152.8	135.5	76.4	69.5
85°	20.8	24.3	41.7	62.5	66.0	48.6	69.5	83.4	83.4	48.6	48.6
87.5°	10.4	10.4	13.9	13.9	17.4	20.8	20.8	24.3	17.4	13.9	13.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)