

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: P524123

Luminaire Tested: **IFLD-S-SA6D-930-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524123
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-930-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (96) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

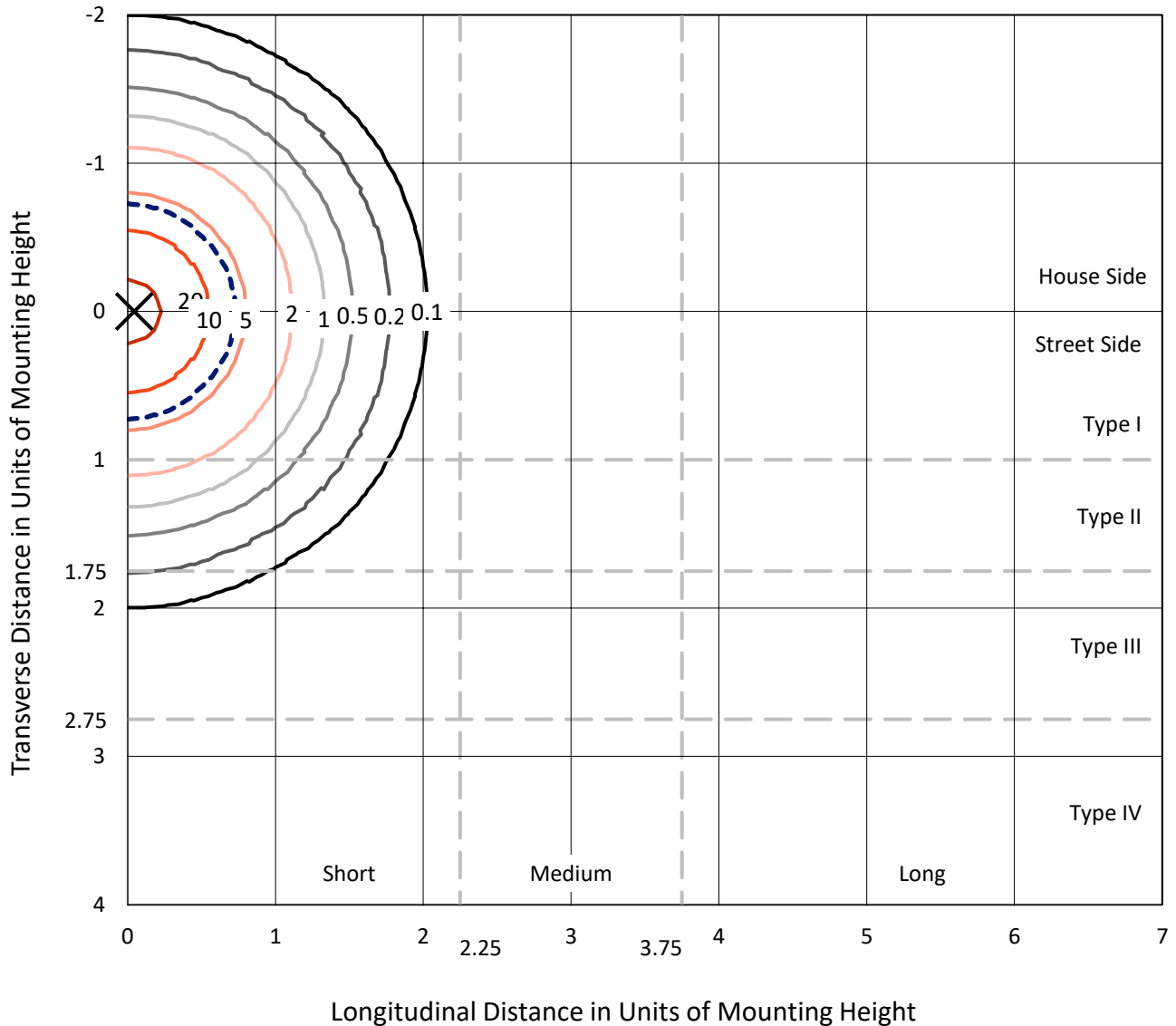
Lumens per Lamp: N/A
Luminaire Lumens: 30361.6 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 368.2
Input Voltage (V): 120
Input Current (A_{in}): 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

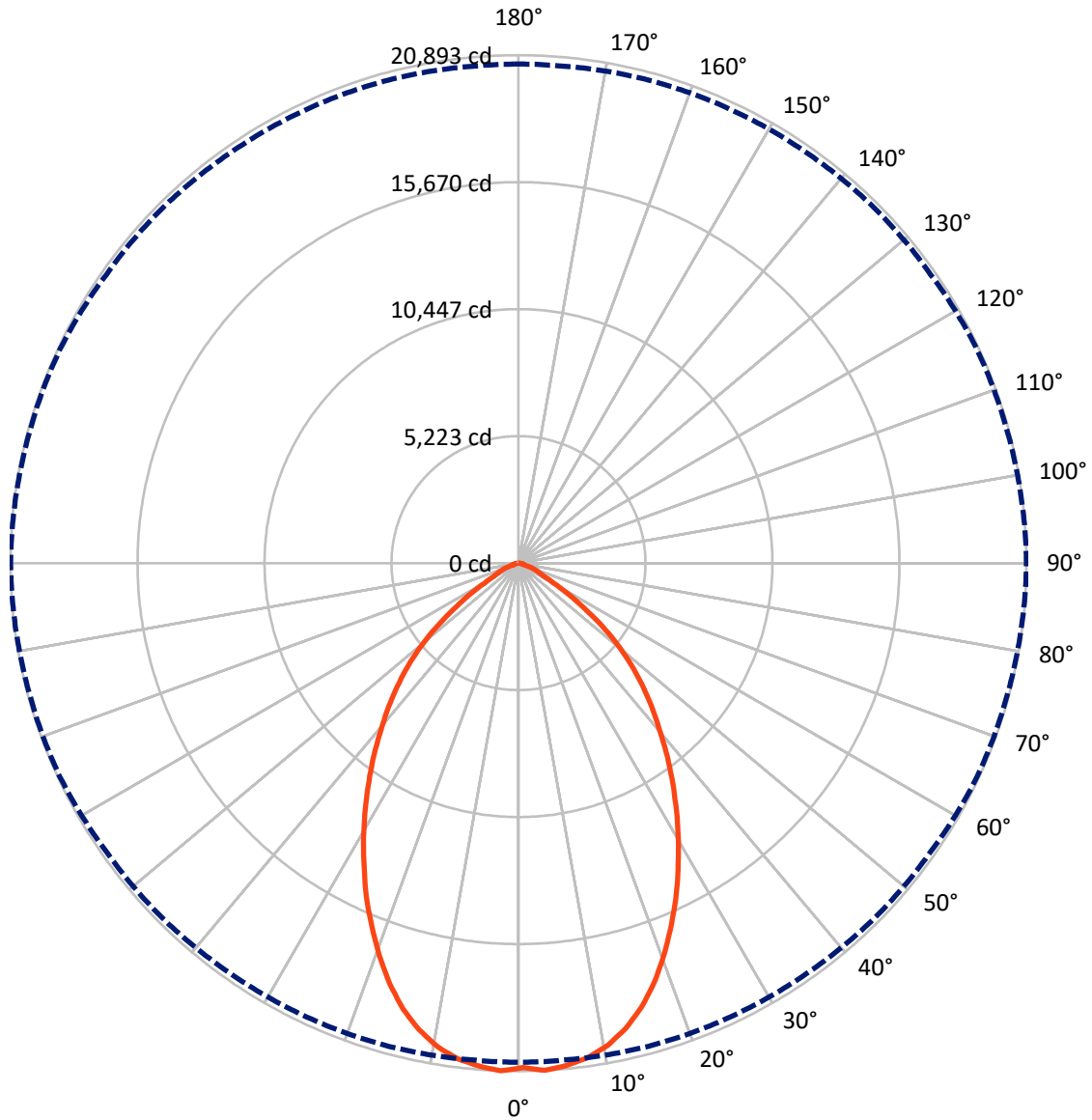
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 23.1 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	15180.8	0.0	15180.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15180.8	0.0	15180.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	30361.6	0.0	30361.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1948.2	6.4
10°-20°	5234.9	17.2
20°-30°	6772.9	22.3
30°-40°	6679.7	22.0
40°-50°	5404.2	17.8
50°-60°	2942.4	9.7
60°-70°	932.3	3.1
70°-80°	360.7	1.2
80°-90°	86.2	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°	30361.6	100.0
0°-180°	30361.6	100.0

Coefficient of Utilization



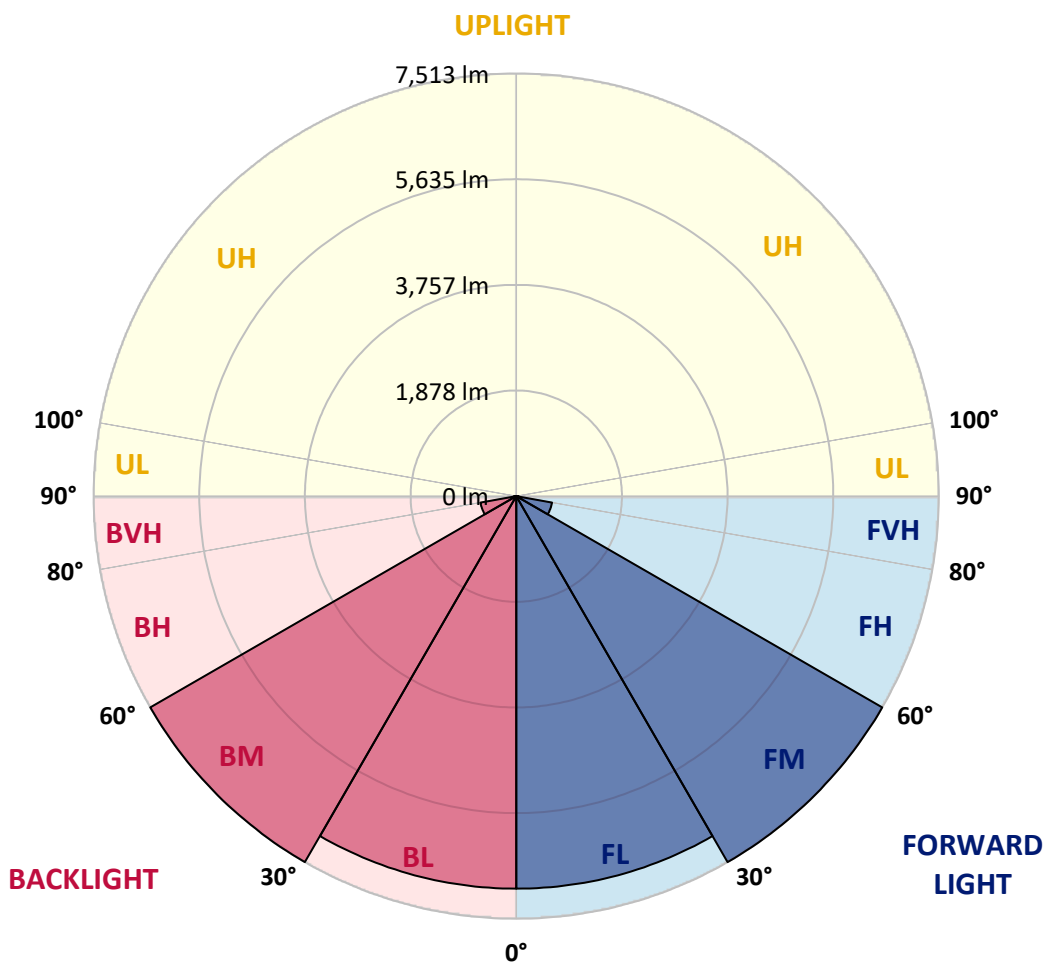
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6978.0	23.0			
FM (30°-60°)	7513.2	24.7			
FH (60°-80°)	646.5	2.1			G0/660
FVH (80°-90°)	43.1	0.1			G1/100
BL (0°-30°)	6978.0	23.0	B5		
BM (30°-60°)	7513.2	24.7	B4/8500		
BH (60°-80°)	646.5	2.1	B2/1000		G0/660
BVH (80°-90°)	43.1	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°	20753.0	20753.0	20753.0	20753.0	20753.0	20753.0	20753.0	20753.0	20753.0	20753.0	20753.0
2.5°	20529.2	20524.9	20577.5	20599.4	20625.7	20678.4	20695.9	20810.0	20823.1	20867.0	20893.3
5°	20494.2	20476.6	20529.2	20538.0	20568.7	20577.5	20603.8	20682.8	20674.0	20739.8	20753.0
7.5°	20305.5	20283.6	20327.5	20336.2	20380.1	20366.9	20410.8	20467.8	20467.8	20516.1	20538.0
10°	19884.4	19880.0	19923.9	19928.3	19989.7	19976.5	20046.7	20059.9	20095.0	20130.1	20169.5
12.5°	19380.0	19322.9	19380.0	19358.0	19441.4	19393.1	19489.6	19520.3	19537.9	19599.3	19630.0
15°	18730.7	18660.6	18700.0	18678.1	18730.7	18669.3	18770.2	18831.6	18853.6	18915.0	18945.7
17.5°	17862.2	17805.2	17813.9	17783.2	17818.3	17770.1	17866.6	17963.1	17993.8	18059.6	18103.5
20°	16769.9	16769.9	16774.3	16748.0	16778.7	16730.5	16791.9	16941.0	16971.7	17059.5	17134.0
22.5°	15704.0	15704.0	15717.2	15682.1	15690.8	15668.9	15734.7	15879.5	15927.7	16019.8	16111.9
25°	14681.9	14664.4	14673.1	14642.4	14607.3	14616.1	14695.1	14787.2	14892.5	15010.9	15081.1
27.5°	13708.1	13730.0	13677.4	13655.5	13629.1	13580.9	13673.0	13787.1	13861.6	13958.1	13993.2
30°	12668.5	12712.3	12672.9	12655.3	12589.5	12528.1	12624.6	12738.7	12813.2	12905.3	12944.8
32.5°	11742.9	11729.7	11694.7	11655.2	11589.4	11541.1	11580.6	11712.2	11769.2	11865.7	11878.9
35°	10751.5	10742.8	10720.8	10641.9	10619.9	10562.9	10598.0	10712.1	10755.9	10812.9	10856.8
37.5°	9782.1	9751.4	9742.6	9711.9	9672.4	9659.3	9659.3	9720.7	9764.6	9821.6	9865.4
40°	8821.4	8830.2	8803.9	8777.6	8764.4	8746.9	8751.2	8786.3	8821.4	8847.8	8874.1
42.5°	7952.9	7904.6	7887.1	7860.8	7873.9	7895.9	7847.6	7900.2	7944.1	7944.1	8001.1
45°	6957.1	6979.1	6987.8	7031.7	7031.7	7009.8	6992.2	7018.5	7062.4	7058.0	7115.0
47.5°	6088.6	6062.3	6084.2	6150.0	6207.0	6215.8	6163.2	6176.3	6189.5	6167.5	6220.2
50°	5136.7	5145.5	5141.1	5242.0	5356.0	5316.5	5277.1	5290.2	5285.8	5285.8	5294.6
52.5°	4101.5	4123.4	4097.1	4241.8	4364.7	4334.0	4307.6	4307.6	4329.6	4325.2	4320.8
55°	3158.3	3149.6	3092.5	3162.7	3272.4	3276.8	3237.3	3254.9	3276.8	3298.7	3294.3
57.5°	2351.2	2324.9	2245.9	2250.3	2373.1	2403.9	2368.8	2364.4	2390.7	2399.5	2447.7
60°	1583.6	1579.2	1509.0	1504.6	1552.9	1636.2	1596.7	1596.7	1605.5	1618.7	1631.8
62.5°	1083.5	1092.3	1065.9	1061.6	1070.3	1140.5	1136.1	1131.7	1127.4	1144.9	1140.5
65°	851.0	855.4	846.6	846.6	851.0	881.7	912.4	916.8	921.2	925.6	921.2
67.5°	684.3	688.7	679.9	688.7	688.7	693.1	736.9	754.5	758.9	758.9	754.5
70°	526.4	543.9	552.7	552.7	552.7	552.7	583.4	605.3	601.0	574.6	548.3
72.5°	263.2	320.2	443.0	447.4	443.0	438.7	456.2	478.1	473.8	333.4	250.0
75°	175.5	188.6	346.5	364.1	359.7	342.2	359.7	386.0	377.2	214.9	206.2
77.5°	100.9	109.7	232.5	267.6	289.5	250.0	285.1	311.4	298.3	175.5	171.1
80°	79.0	74.6	166.7	206.2	197.4	157.9	232.5	250.0	228.1	131.6	118.4
82.5°	48.3	48.3	109.7	157.9	144.8	92.1	162.3	193.0	171.1	96.5	87.7
85°	26.3	30.7	52.6	79.0	83.3	61.4	87.7	105.3	105.3	61.4	61.4
87.5°	13.2	13.2	17.5	17.5	21.9	26.3	26.3	30.7	21.9	17.5	17.5
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)