

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: P524083

Luminaire Tested: **IFLD-S-SA6C-927-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524083
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-927-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (96) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

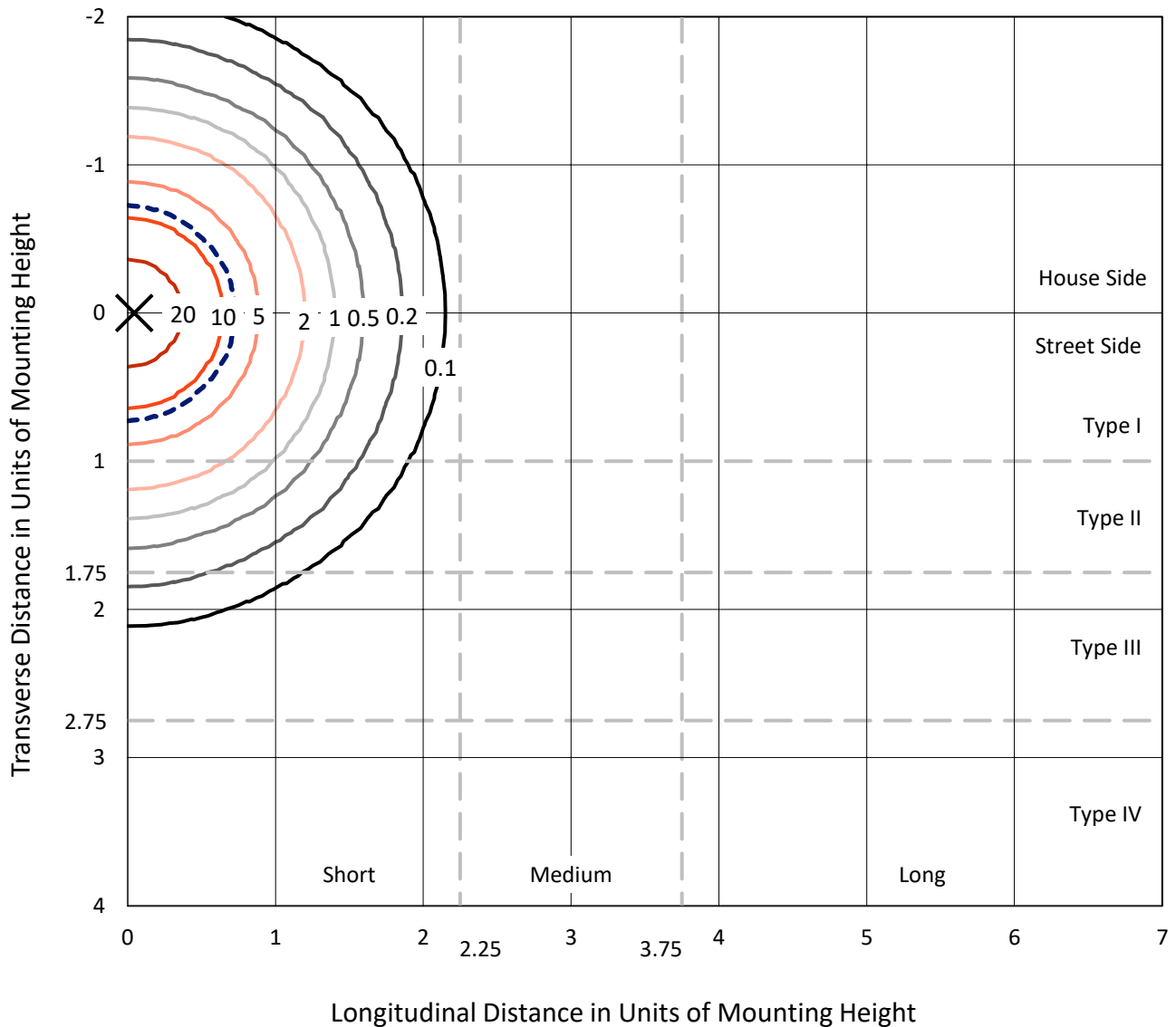
Lumens per Lamp: N/A
Luminaire Lumens: 27293.4 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 321.5
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

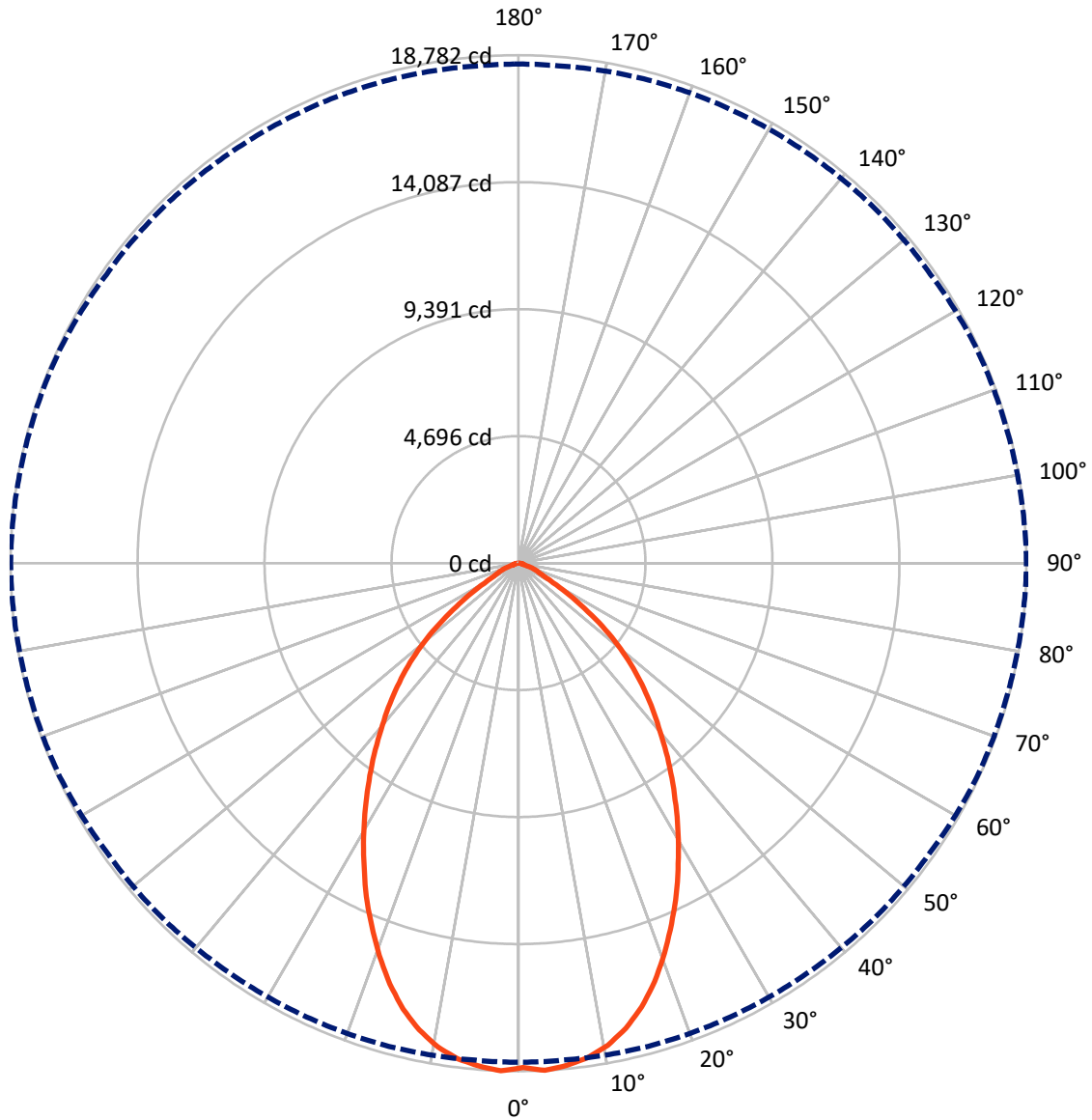
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 29.8 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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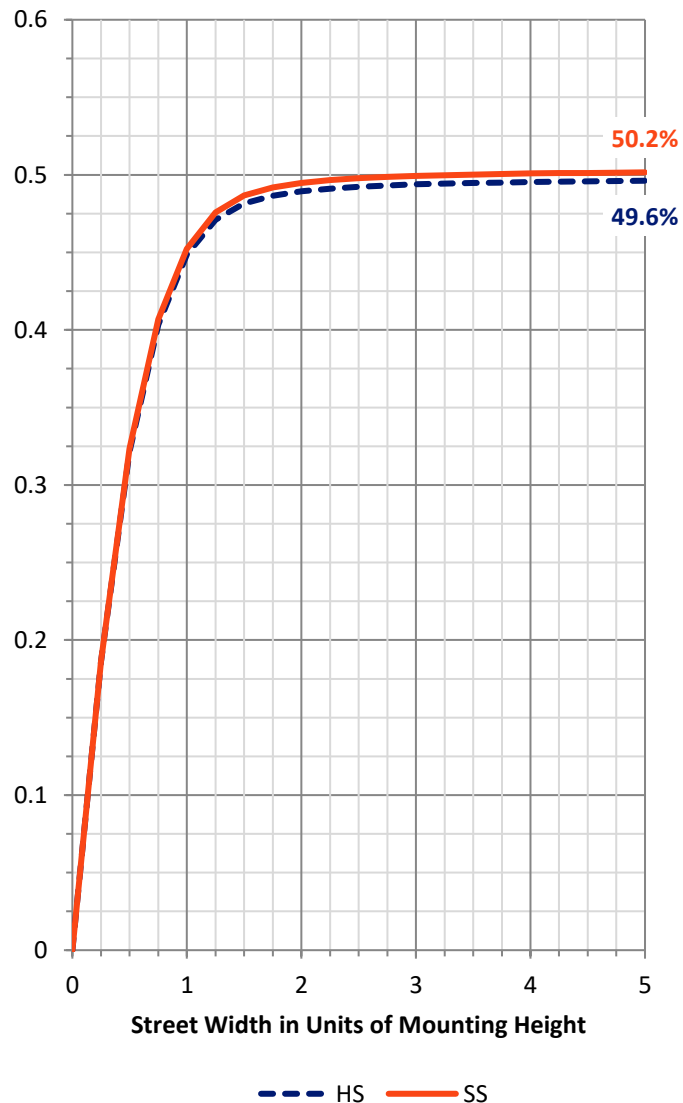
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13646.7	0.0	13646.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13646.7	0.0	13646.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	27293.4	0.0	27293.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1751.3	6.4
10°-20°	4705.9	17.2
20°-30°	6088.5	22.3
30°-40°	6004.7	22.0
40°-50°	4858.1	17.8
50°-60°	2645.1	9.7
60°-70°	838.1	3.1
70°-80°	324.3	1.2
80°-90°	77.5	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°	27293.4	100.0
0°-180°	27293.4	100.0

Coefficient of Utilization



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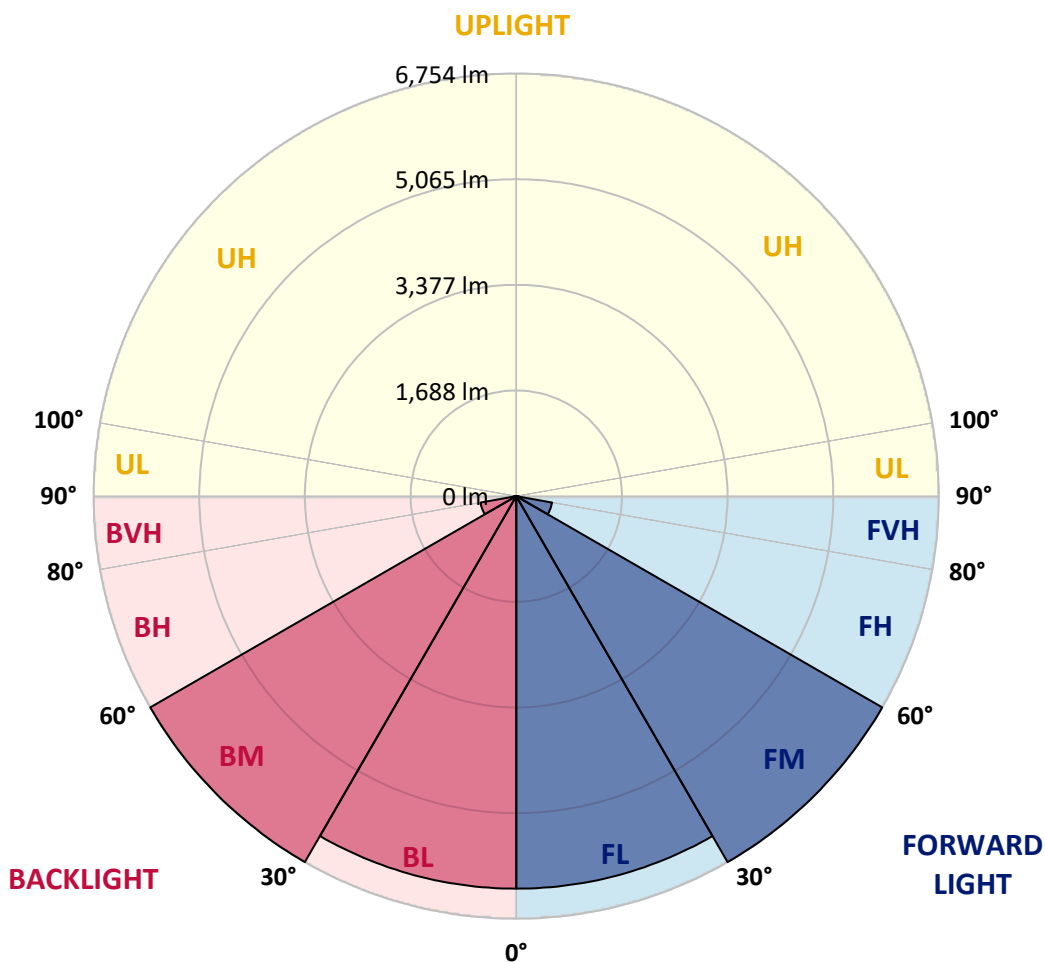
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6272.9	23.0			
FM (30°-60°)	6753.9	24.7			
FH (60°-80°)	581.2	2.1			G0/660
FVH (80°-90°)	38.8	0.1			G1/100
BL (0°-30°)	6272.9	23.0	B5		
BM (30°-60°)	6753.9	24.7	B4/8500		
BH (60°-80°)	581.2	2.1	B2/1000		G0/660
BVH (80°-90°)	38.8	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°	18655.8	18655.8	18655.8	18655.8	18655.8	18655.8	18655.8	18655.8	18655.8	18655.8	18655.8
2.5°	18454.7	18450.7	18498.0	18517.8	18541.4	18588.7	18604.5	18707.0	18718.9	18758.3	18782.0
5°	18423.1	18407.4	18454.7	18462.6	18490.2	18498.0	18521.7	18592.7	18584.8	18644.0	18655.8
7.5°	18253.6	18233.8	18273.3	18281.2	18320.6	18308.8	18348.2	18399.5	18399.5	18442.8	18462.6
10°	17875.0	17871.1	17910.5	17914.4	17969.6	17957.8	18020.9	18032.7	18064.3	18095.8	18131.3
12.5°	17421.5	17370.3	17421.5	17401.8	17476.7	17433.4	17520.1	17547.7	17563.5	17618.7	17646.3
15°	16837.9	16774.8	16810.3	16790.6	16837.9	16782.7	16873.4	16928.6	16948.3	17003.5	17031.1
17.5°	16057.1	16005.9	16013.8	15986.2	16017.7	15974.3	16061.1	16147.8	16175.4	16234.6	16274.0
20°	15075.3	15075.3	15079.2	15055.5	15083.1	15039.8	15095.0	15229.0	15256.7	15335.5	15402.6
22.5°	14117.0	14117.0	14128.9	14097.3	14105.2	14085.5	14144.6	14274.8	14318.1	14401.0	14483.8
25°	13198.2	13182.5	13190.4	13162.8	13131.2	13139.1	13210.1	13292.9	13387.5	13494.0	13557.1
27.5°	12322.8	12342.5	12295.2	12275.5	12251.9	12208.5	12291.3	12393.8	12460.8	12547.6	12579.1
30°	11388.3	11427.7	11392.2	11376.4	11317.3	11262.1	11348.8	11451.4	11518.4	11601.2	11636.7
32.5°	10556.2	10544.4	10512.9	10477.4	10418.2	10374.8	10410.3	10528.6	10579.9	10666.6	10678.5
35°	9665.0	9657.2	9637.4	9566.5	9546.7	9495.5	9527.0	9629.6	9669.0	9720.2	9759.7
37.5°	8793.6	8766.0	8758.1	8730.5	8695.0	8683.2	8683.2	8738.4	8777.8	8829.1	8868.5
40°	7930.0	7937.9	7914.2	7890.6	7878.7	7863.0	7866.9	7898.4	7930.0	7953.6	7977.3
42.5°	7149.2	7105.8	7090.1	7066.4	7078.2	7098.0	7054.6	7101.9	7141.3	7141.3	7192.6
45°	6254.1	6273.8	6281.7	6321.1	6321.1	6301.4	6285.6	6309.3	6348.7	6344.8	6396.0
47.5°	5473.3	5449.6	5469.4	5528.5	5579.8	5587.7	5540.3	5552.2	5564.0	5544.3	5591.6
50°	4617.6	4625.5	4621.6	4712.3	4814.8	4779.3	4743.8	4755.6	4751.7	4751.7	4759.6
52.5°	3687.0	3706.7	3683.0	3813.2	3923.6	3896.0	3872.3	3872.3	3892.0	3888.1	3884.2
55°	2839.2	2831.3	2780.0	2843.1	2941.7	2945.6	2910.2	2925.9	2945.6	2965.4	2961.4
57.5°	2113.6	2090.0	2019.0	2022.9	2133.3	2160.9	2129.4	2125.4	2149.1	2157.0	2200.4
60°	1423.5	1419.6	1356.5	1352.6	1395.9	1470.9	1435.4	1435.4	1443.3	1455.1	1466.9
62.5°	974.0	981.9	958.2	954.3	962.2	1025.3	1021.3	1017.4	1013.4	1029.2	1025.3
65°	765.0	768.9	761.1	761.1	765.0	792.6	820.2	824.2	828.1	832.0	828.1
67.5°	615.2	619.1	611.2	619.1	619.1	623.0	662.5	678.2	682.2	682.2	678.2
70°	473.2	489.0	496.9	496.9	496.9	496.9	524.5	544.2	540.2	516.6	492.9
72.5°	236.6	287.9	398.3	402.2	398.3	394.3	410.1	429.8	425.9	299.7	224.8
75°	157.7	169.6	311.5	327.3	323.4	307.6	323.4	347.0	339.1	193.2	185.3
77.5°	90.7	98.6	209.0	240.5	260.3	224.8	256.3	280.0	268.1	157.7	153.8
80°	71.0	67.0	149.8	185.3	177.4	142.0	209.0	224.8	205.1	118.3	106.5
82.5°	43.4	43.4	98.6	142.0	130.1	82.8	145.9	173.5	153.8	86.8	78.9
85°	23.7	27.6	47.3	71.0	74.9	55.2	78.9	94.6	94.6	55.2	55.2
87.5°	11.8	11.8	15.8	15.8	19.7	23.7	23.7	27.6	19.7	15.8	15.8
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)