

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: P524105

Luminaire Tested: **IFLD-S-SA3A-930-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524105
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-930-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (48) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

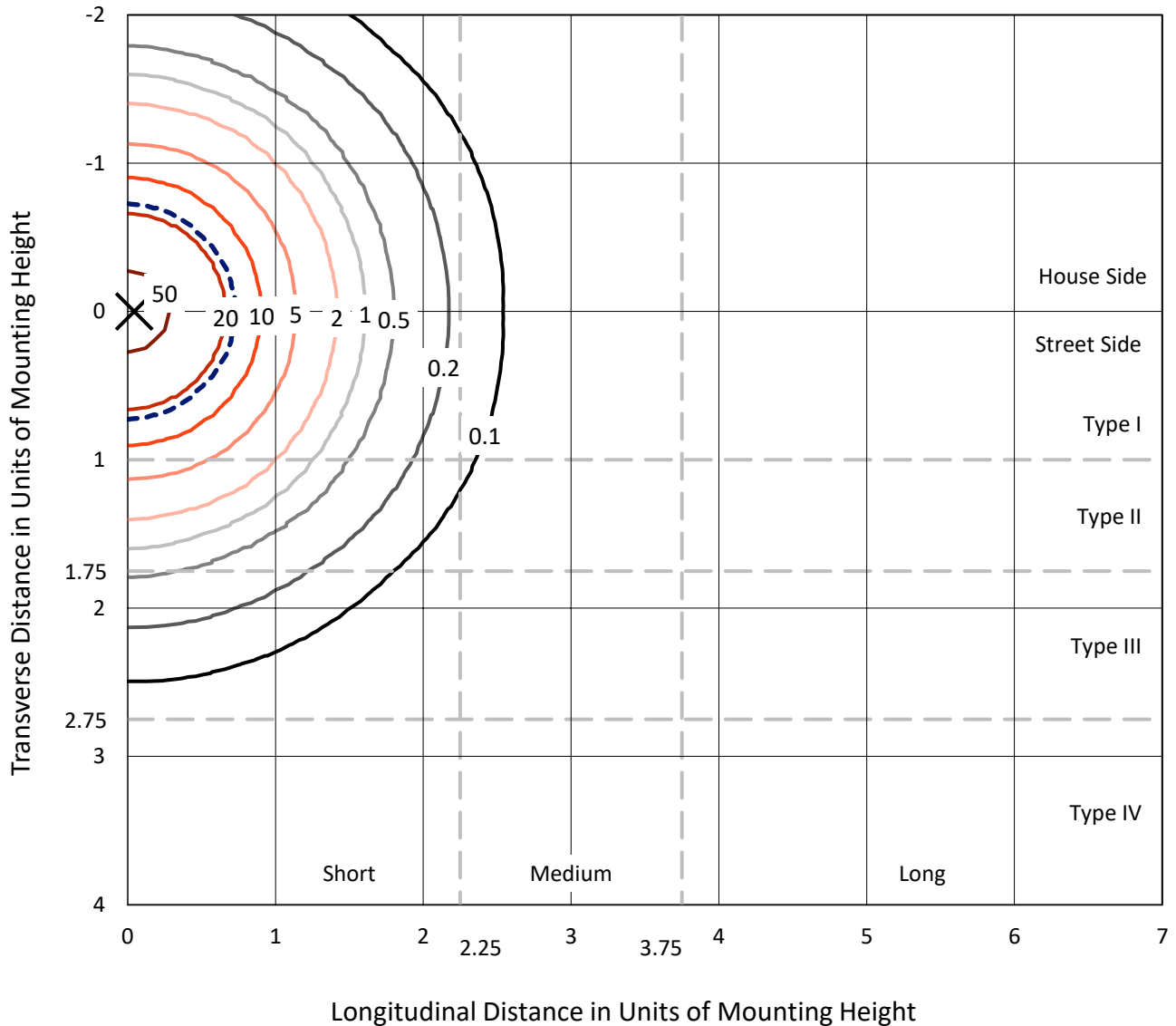
Lumens per Lamp: N/A
Luminaire Lumens: 9136.3 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 94.8
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

REPORT NUMBER: P524105
 CATALOG NUMBER: IFLD-S-SA3A-930-U-66

Iso-Footcandle Lines of Horizontal Illumination

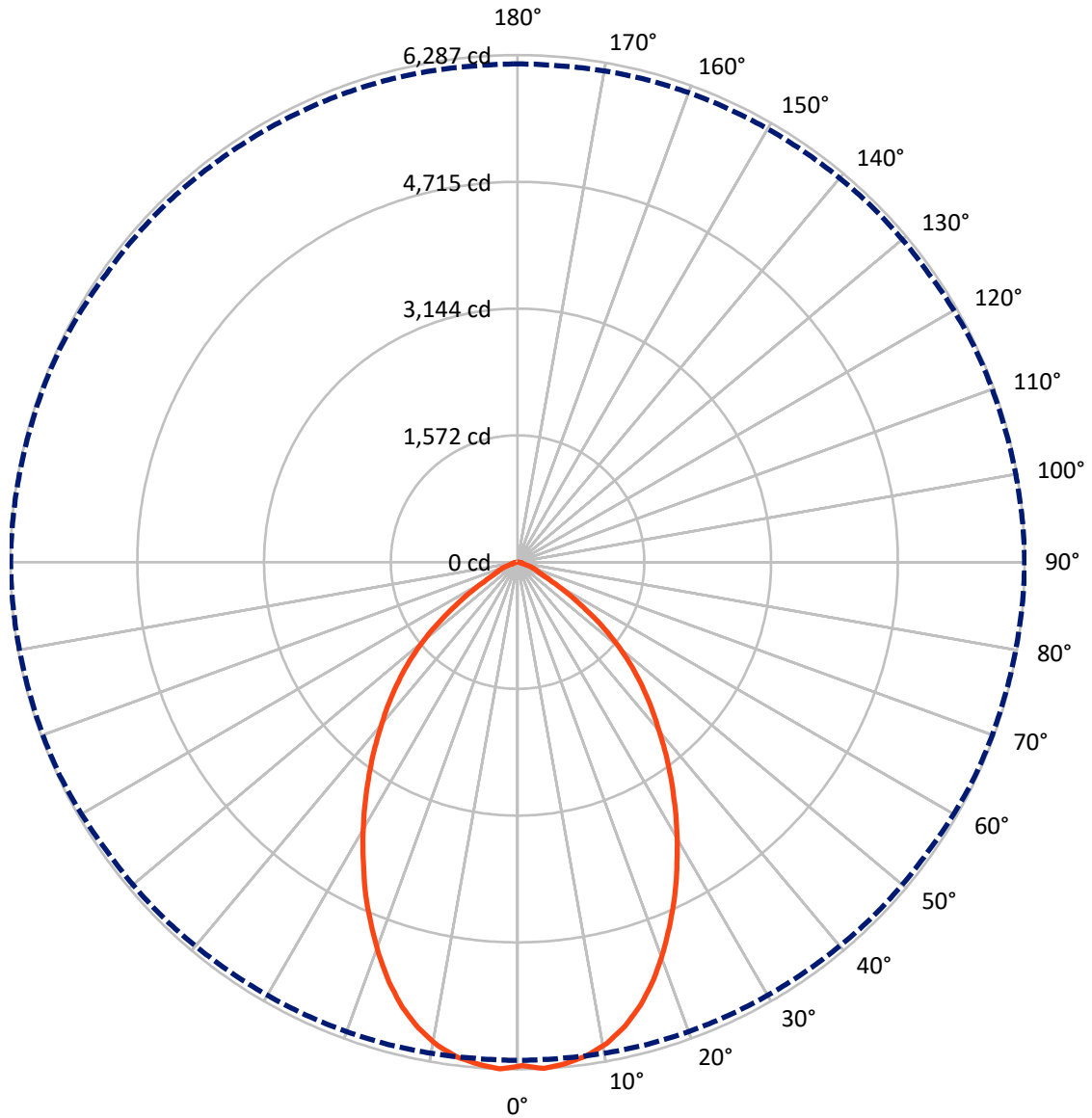
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 62.4 fc
 Type V - Short - N/A

REPORT NUMBER: P524105
CATALOG NUMBER: IFLD-S-SA3A-930-U-66

Luminous Intensity Polar Plot



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

REPORT NUMBER: P524105
 CATALOG NUMBER: IFLD-S-SA3A-930-U-66

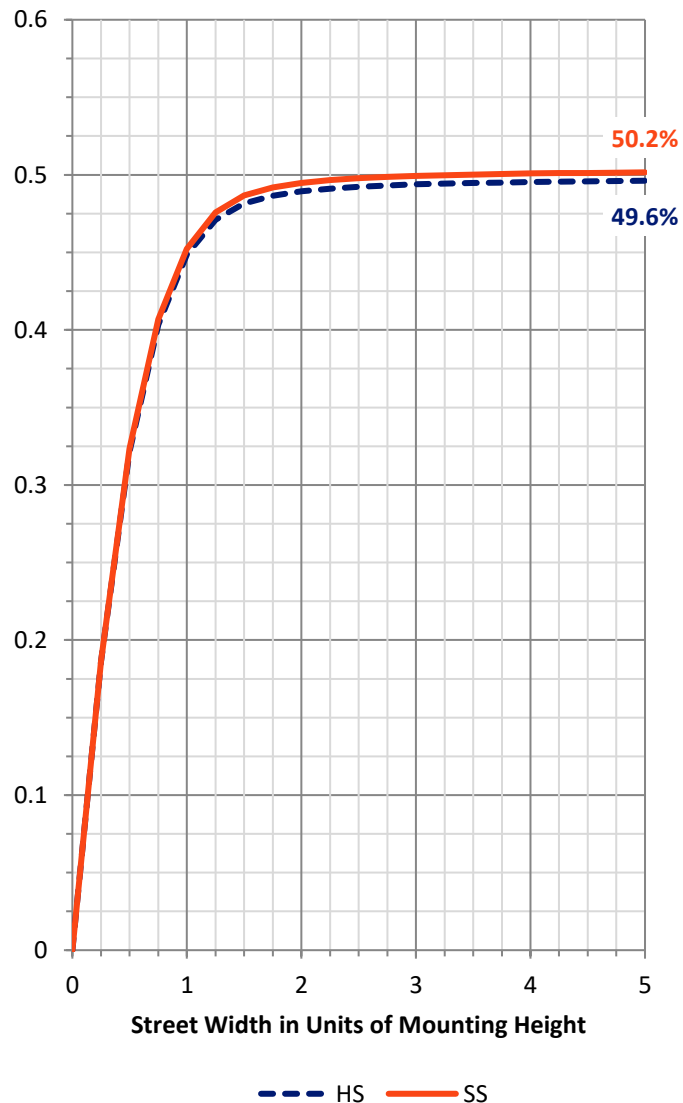
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4568.2	0.0	4568.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4568.2	0.0	4568.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	9136.3	0.0	9136.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	586.3	6.4
10°-20°	1575.3	17.2
20°-30°	2038.1	22.3
30°-40°	2010.0	22.0
40°-50°	1626.2	17.8
50°-60°	885.4	9.7
60°-70°	280.5	3.1
70°-80°	108.5	1.2
80°-90°	25.9	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°	9136.3	100.0
0°-180°	9136.3	100.0

Coefficient of Utilization



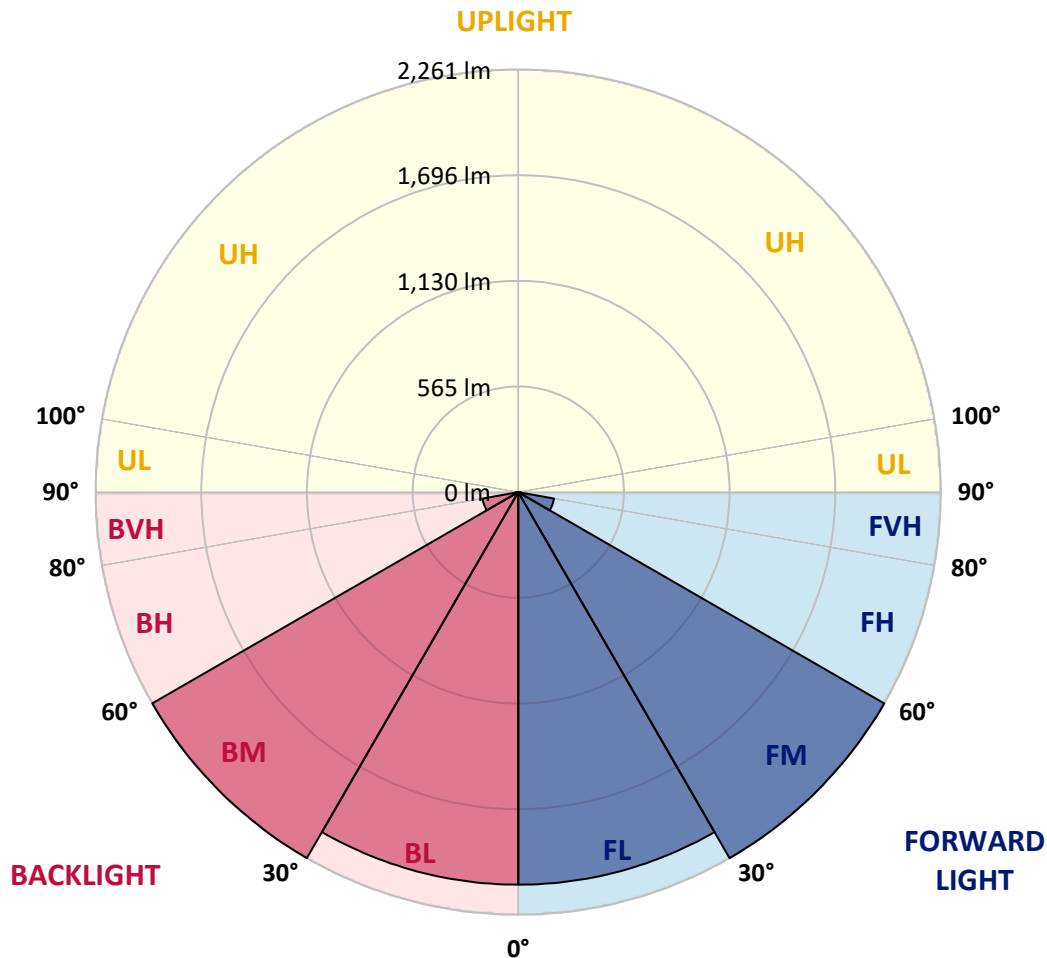
REPORT NUMBER: P524105
 CATALOG NUMBER: IFLD-S-SA3A-930-U-66

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2099.8	23.0			
FM (30°-60°)	2260.8	24.7			
FH (60°-80°)	194.5	2.1			G0/660
FVH (80°-90°)	13.0	0.1			G1/100
BL (0°-30°)	2099.8	23.0	B3/2500		
BM (30°-60°)	2260.8	24.7	B2/2500		
BH (60°-80°)	194.5	2.1	B1/500		G0/660
BVH (80°-90°)	13.0	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





REPORT NUMBER: P524105
 CATALOG NUMBER: IFLD-S-SA3A-930-U-66

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6244.9	6244.9	6244.9	6244.9	6244.9	6244.9	6244.9	6244.9	6244.9	6244.9	6244.9
2.5°	6177.6	6176.3	6192.1	6198.7	6206.7	6222.5	6227.8	6262.1	6266.1	6279.3	6287.2
5°	6167.1	6161.8	6177.6	6180.3	6189.5	6192.1	6200.1	6223.8	6221.2	6241.0	6244.9
7.5°	6110.3	6103.7	6116.9	6119.5	6132.7	6128.8	6142.0	6159.1	6159.1	6173.7	6180.3
10°	5983.6	5982.3	5995.5	5996.8	6015.3	6011.3	6032.4	6036.4	6046.9	6057.5	6069.4
12.5°	5831.8	5814.6	5831.8	5825.2	5850.3	5835.7	5864.8	5874.0	5879.3	5897.8	5907.0
15°	5636.4	5615.3	5627.2	5620.6	5636.4	5617.9	5648.3	5666.8	5673.4	5691.9	5701.1
17.5°	5375.1	5357.9	5360.5	5351.3	5361.9	5347.3	5376.4	5405.4	5414.7	5434.5	5447.7
20°	5046.4	5046.4	5047.7	5039.8	5049.0	5034.5	5053.0	5097.9	5107.1	5133.5	5155.9
22.5°	4725.6	4725.6	4729.6	4719.0	4721.7	4715.1	4734.9	4778.4	4792.9	4820.7	4848.4
25°	4418.1	4412.8	4415.4	4406.2	4395.6	4398.3	4422.0	4449.7	4481.4	4517.1	4538.2
27.5°	4125.0	4131.6	4115.8	4109.2	4101.3	4086.7	4114.5	4148.8	4171.2	4200.3	4210.8
30°	3812.2	3825.4	3813.5	3808.2	3788.4	3769.9	3799.0	3833.3	3855.7	3883.5	3895.3
32.5°	3533.7	3529.7	3519.1	3507.3	3487.5	3472.9	3484.8	3524.4	3541.6	3570.6	3574.6
35°	3235.3	3232.7	3226.1	3202.3	3195.7	3178.6	3189.1	3223.5	3236.7	3253.8	3267.0
37.5°	2943.6	2934.4	2931.7	2922.5	2910.6	2906.6	2906.6	2925.1	2938.3	2955.5	2968.7
40°	2654.5	2657.2	2649.2	2641.3	2637.4	2632.1	2633.4	2644.0	2654.5	2662.4	2670.4
42.5°	2393.2	2378.6	2373.4	2365.4	2369.4	2376.0	2361.5	2377.3	2390.5	2390.5	2407.7
45°	2093.5	2100.1	2102.8	2116.0	2116.0	2109.4	2104.1	2112.0	2125.2	2123.9	2141.0
47.5°	1832.2	1824.2	1830.8	1850.6	1867.8	1870.4	1854.6	1858.6	1862.5	1855.9	1871.8
50°	1545.7	1548.4	1547.0	1577.4	1611.7	1599.8	1588.0	1591.9	1590.6	1590.6	1593.2
52.5°	1234.2	1240.8	1232.9	1276.4	1313.4	1304.2	1296.2	1296.2	1302.8	1301.5	1300.2
55°	950.4	947.8	930.6	951.7	984.7	986.0	974.2	979.4	986.0	992.6	991.3
57.5°	707.5	699.6	675.8	677.2	714.1	723.4	712.8	711.5	719.4	722.0	736.6
60°	476.5	475.2	454.1	452.8	467.3	492.4	480.5	480.5	483.1	487.1	491.0
62.5°	326.0	328.7	320.8	319.4	322.1	343.2	341.9	340.6	339.2	344.5	343.2
65°	256.1	257.4	254.8	254.8	256.1	265.3	274.6	275.9	277.2	278.5	277.2
67.5°	205.9	207.2	204.6	207.2	207.2	208.6	221.8	227.0	228.4	228.4	227.0
70°	158.4	163.7	166.3	166.3	166.3	166.3	175.6	182.2	180.8	172.9	165.0
72.5°	79.2	96.4	133.3	134.6	133.3	132.0	137.3	143.9	142.6	100.3	75.2
75°	52.8	56.8	104.3	109.6	108.2	103.0	108.2	116.2	113.5	64.7	62.0
77.5°	30.4	33.0	70.0	80.5	87.1	75.2	85.8	93.7	89.8	52.8	51.5
80°	23.8	22.4	50.2	62.0	59.4	47.5	70.0	75.2	68.6	39.6	35.6
82.5°	14.5	14.5	33.0	47.5	43.6	27.7	48.8	58.1	51.5	29.0	26.4
85°	7.9	9.2	15.8	23.8	25.1	18.5	26.4	31.7	31.7	18.5	18.5
87.5°	4.0	4.0	5.3	5.3	6.6	7.9	7.9	9.2	6.6	5.3	5.3
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)