

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: P524065

Luminaire Tested: **IFLD-S-SA2E-927-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524065
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2E-927-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (32) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

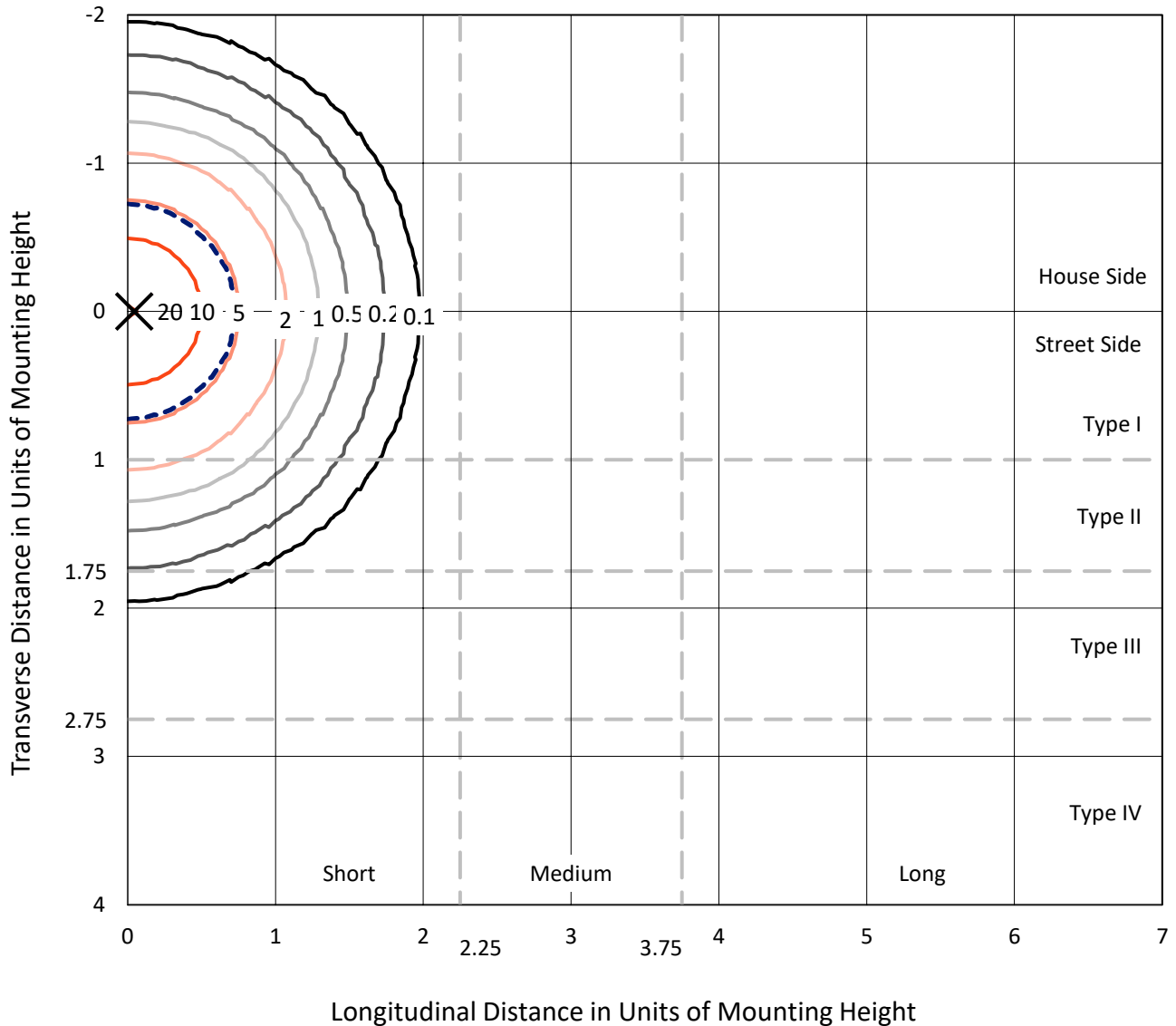
Lumens per Lamp: N/A
Luminaire Lumens: 11888.6 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 156.2
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

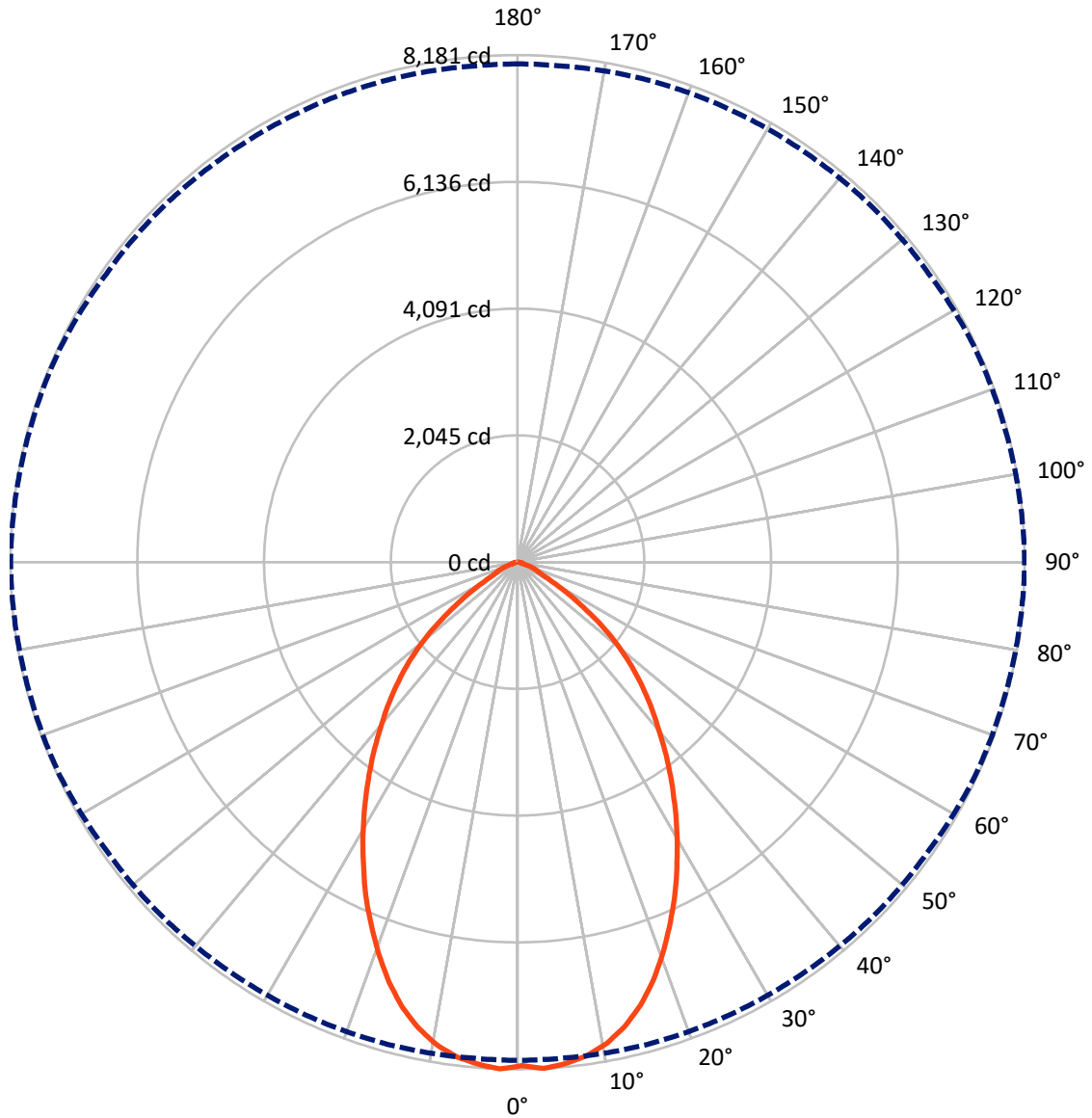
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 20.3 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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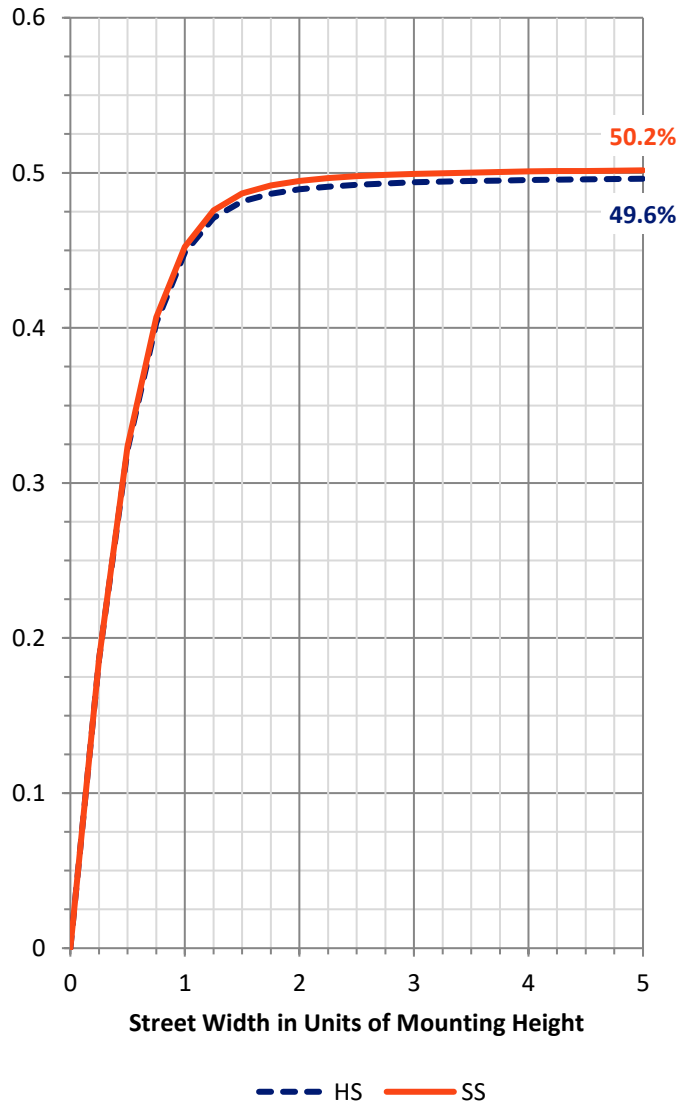
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5944.3	0.0	5944.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5944.3	0.0	5944.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	11888.6	0.0	11888.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	762.9	6.4
10°-20°	2049.8	17.2
20°-30°	2652.0	22.3
30°-40°	2615.6	22.0
40°-50°	2116.1	17.8
50°-60°	1152.2	9.7
60°-70°	365.1	3.1
70°-80°	141.2	1.2
80°-90°	33.8	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°	11888.6	100.0
0°-180°	11888.6	100.0

Coefficient of Utilization



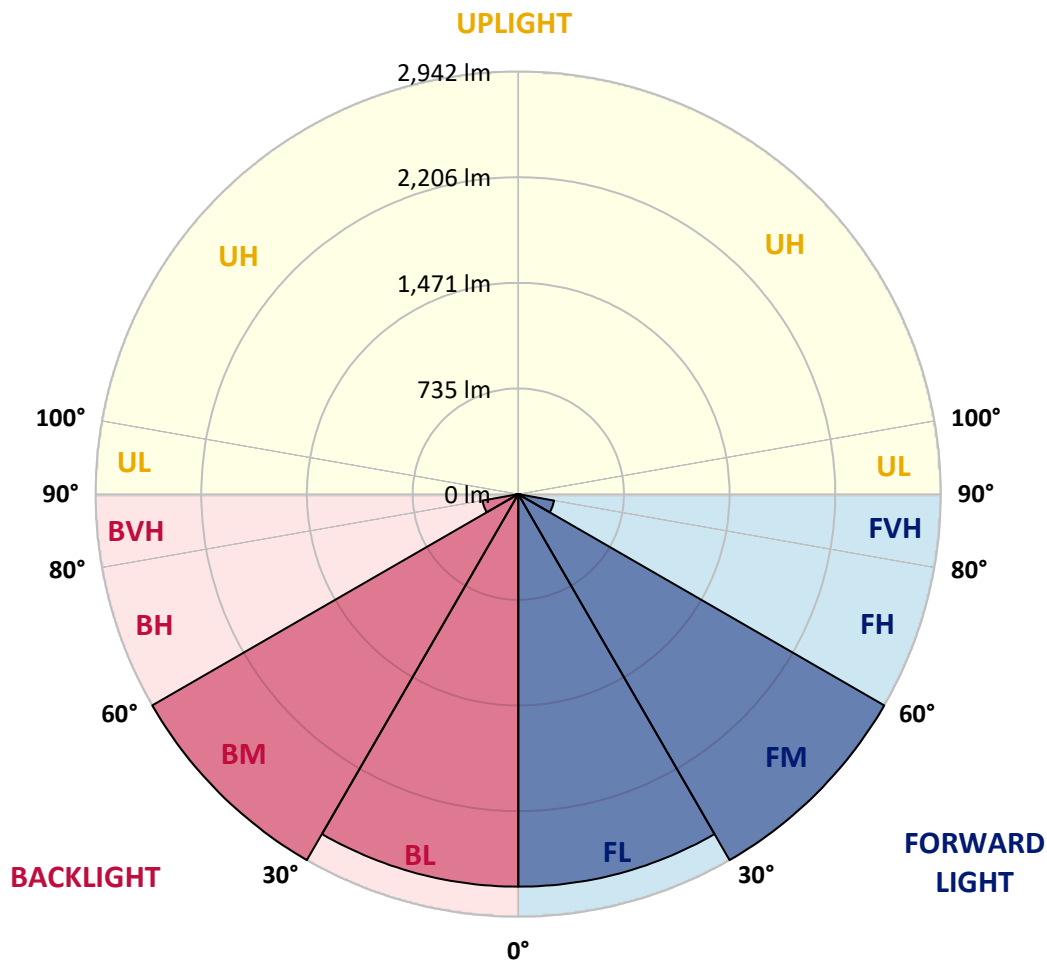
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2732.4	23.0			
FM (30°-60°)	2941.9	24.7			
FH (60°-80°)	253.1	2.1			G0/660
FVH (80°-90°)	16.9	0.1			G1/100
BL (0°-30°)	2732.4	23.0	B4/5000		
BM (30°-60°)	2941.9	24.7	B3/5000		
BH (60°-80°)	253.1	2.1	B1/500		G0/660
BVH (80°-90°)	16.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8126.2	8126.2	8126.2	8126.2	8126.2	8126.2	8126.2	8126.2	8126.2	8126.2	8126.2
2.5°	8038.6	8036.9	8057.5	8066.1	8076.4	8097.0	8103.9	8148.5	8153.7	8170.8	8181.2
5°	8024.8	8018.0	8038.6	8042.0	8054.0	8057.5	8067.8	8098.7	8095.3	8121.0	8126.2
7.5°	7951.0	7942.4	7959.6	7963.0	7980.2	7975.0	7992.2	8014.5	8014.5	8033.4	8042.0
10°	7786.1	7784.4	7801.6	7803.3	7827.3	7822.2	7849.6	7854.8	7868.5	7882.3	7897.7
12.5°	7588.6	7566.2	7588.6	7580.0	7612.6	7593.7	7631.5	7643.5	7650.4	7674.4	7686.5
15°	7334.4	7306.9	7322.3	7313.7	7334.4	7310.3	7349.8	7373.9	7382.4	7406.5	7418.5
17.5°	6994.3	6971.9	6975.4	6963.3	6977.1	6958.2	6996.0	7033.8	7045.8	7071.6	7088.7
20°	6566.6	6566.6	6568.3	6558.0	6570.0	6551.1	6575.2	6633.6	6645.6	6679.9	6709.1
22.5°	6149.2	6149.2	6154.3	6140.6	6144.0	6135.4	6161.2	6217.9	6236.8	6272.8	6308.9
25°	5749.0	5742.1	5745.5	5733.5	5719.8	5723.2	5754.1	5790.2	5831.4	5877.8	5905.3
27.5°	5367.6	5376.2	5355.6	5347.0	5336.7	5317.8	5353.9	5398.6	5427.8	5465.6	5479.3
30°	4960.6	4977.7	4962.3	4955.4	4929.6	4905.6	4943.4	4988.0	5017.2	5053.3	5068.8
32.5°	4598.1	4593.0	4579.2	4563.8	4538.0	4519.1	4534.6	4586.1	4608.4	4646.2	4651.4
35°	4210.0	4206.5	4197.9	4167.0	4158.4	4136.1	4149.8	4194.5	4211.7	4234.0	4251.2
37.5°	3830.4	3818.3	3814.9	3802.9	3787.4	3782.3	3782.3	3806.3	3823.5	3845.8	3863.0
40°	3454.2	3457.6	3447.3	3437.0	3431.9	3425.0	3426.7	3440.4	3454.2	3464.5	3474.8
42.5°	3114.1	3095.2	3088.3	3078.0	3083.2	3091.8	3072.9	3093.5	3110.7	3110.7	3133.0
45°	2724.2	2732.8	2736.2	2753.4	2753.4	2744.8	2737.9	2748.2	2765.4	2763.7	2786.0
47.5°	2384.1	2373.8	2382.4	2408.1	2430.5	2433.9	2413.3	2418.4	2423.6	2415.0	2435.6
50°	2011.4	2014.8	2013.1	2052.6	2097.2	2081.8	2066.3	2071.5	2069.8	2069.8	2073.2
52.5°	1606.0	1614.6	1604.3	1661.0	1709.1	1697.0	1686.7	1686.7	1695.3	1693.6	1691.9
55°	1236.7	1233.3	1210.9	1238.4	1281.4	1283.1	1267.6	1274.5	1283.1	1291.7	1290.0
57.5°	920.7	910.4	879.4	881.2	929.2	941.3	927.5	925.8	936.1	939.6	958.4
60°	620.1	618.4	590.9	589.2	608.0	640.7	625.2	625.2	628.7	633.8	639.0
62.5°	424.3	427.7	417.4	415.7	419.1	446.6	444.9	443.2	441.4	448.3	446.6
65°	333.2	334.9	331.5	331.5	333.2	345.2	357.3	359.0	360.7	362.4	360.7
67.5°	268.0	269.7	266.2	269.7	269.7	271.4	288.6	295.4	297.2	297.2	295.4
70°	206.1	213.0	216.4	216.4	216.4	216.4	228.4	237.0	235.3	225.0	214.7
72.5°	103.1	125.4	173.5	175.2	173.5	171.8	178.6	187.2	185.5	130.5	97.9
75°	68.7	73.9	135.7	142.6	140.8	134.0	140.8	151.2	147.7	84.2	80.7
77.5°	39.5	42.9	91.0	104.8	113.4	97.9	111.6	122.0	116.8	68.7	67.0
80°	30.9	29.2	65.3	80.7	77.3	61.8	91.0	97.9	89.3	51.5	46.4
82.5°	18.9	18.9	42.9	61.8	56.7	36.1	63.6	75.6	67.0	37.8	34.4
85°	10.3	12.0	20.6	30.9	32.6	24.0	34.4	41.2	41.2	24.0	24.0
87.5°	5.2	5.2	6.9	6.9	8.6	10.3	10.3	12.0	8.6	6.9	6.9
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)