

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: P524143

Luminaire Tested: **IFLD-S-SA2E-935-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524143
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2E-935-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (32) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

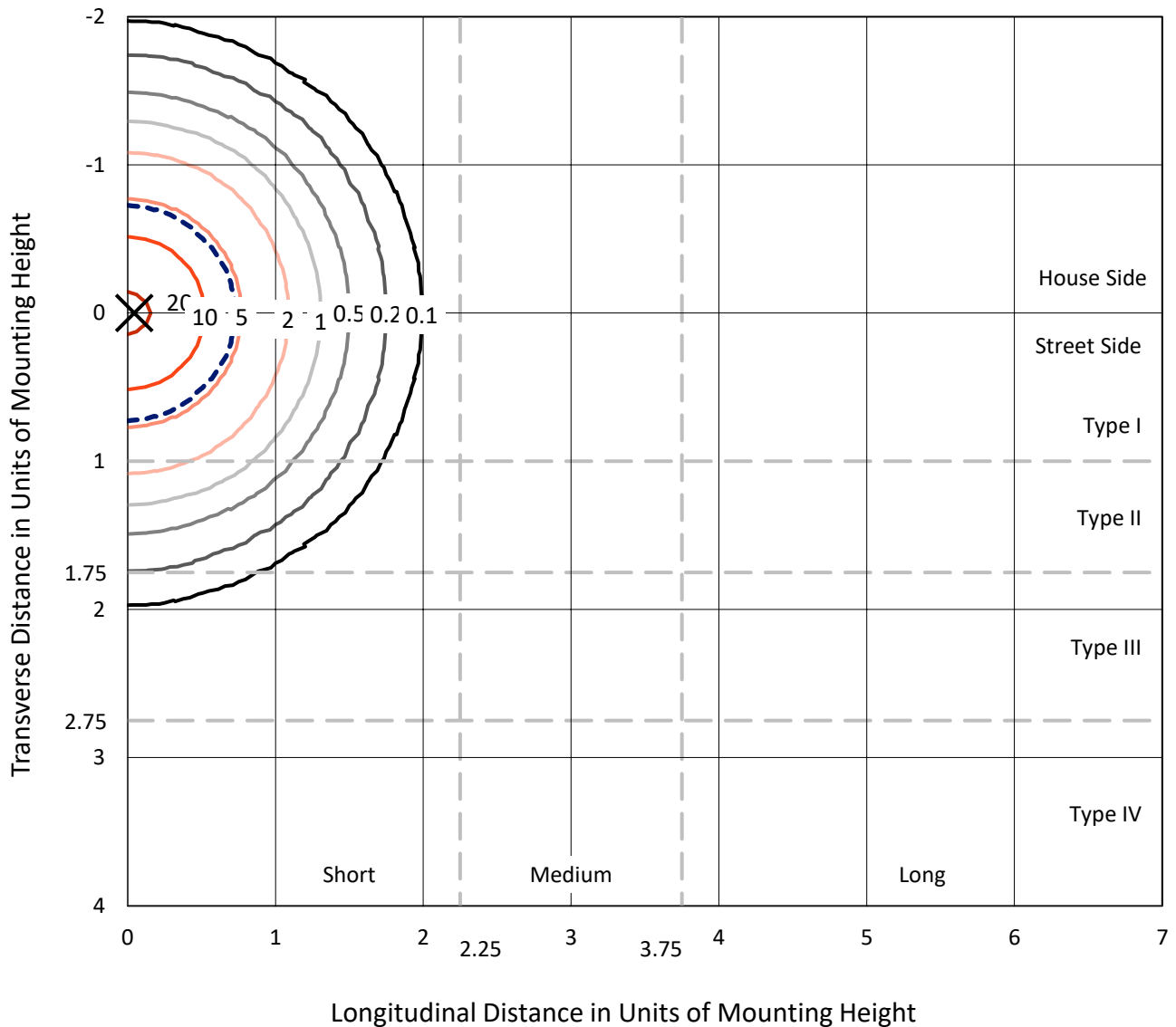
Lumens per Lamp: N/A
Luminaire Lumens: 12469.4 lumens
Efficiency: N/A
Efficacy: 79.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

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

REPORT NUMBER: P524143
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Iso-Footcandle Lines of Horizontal Illumination

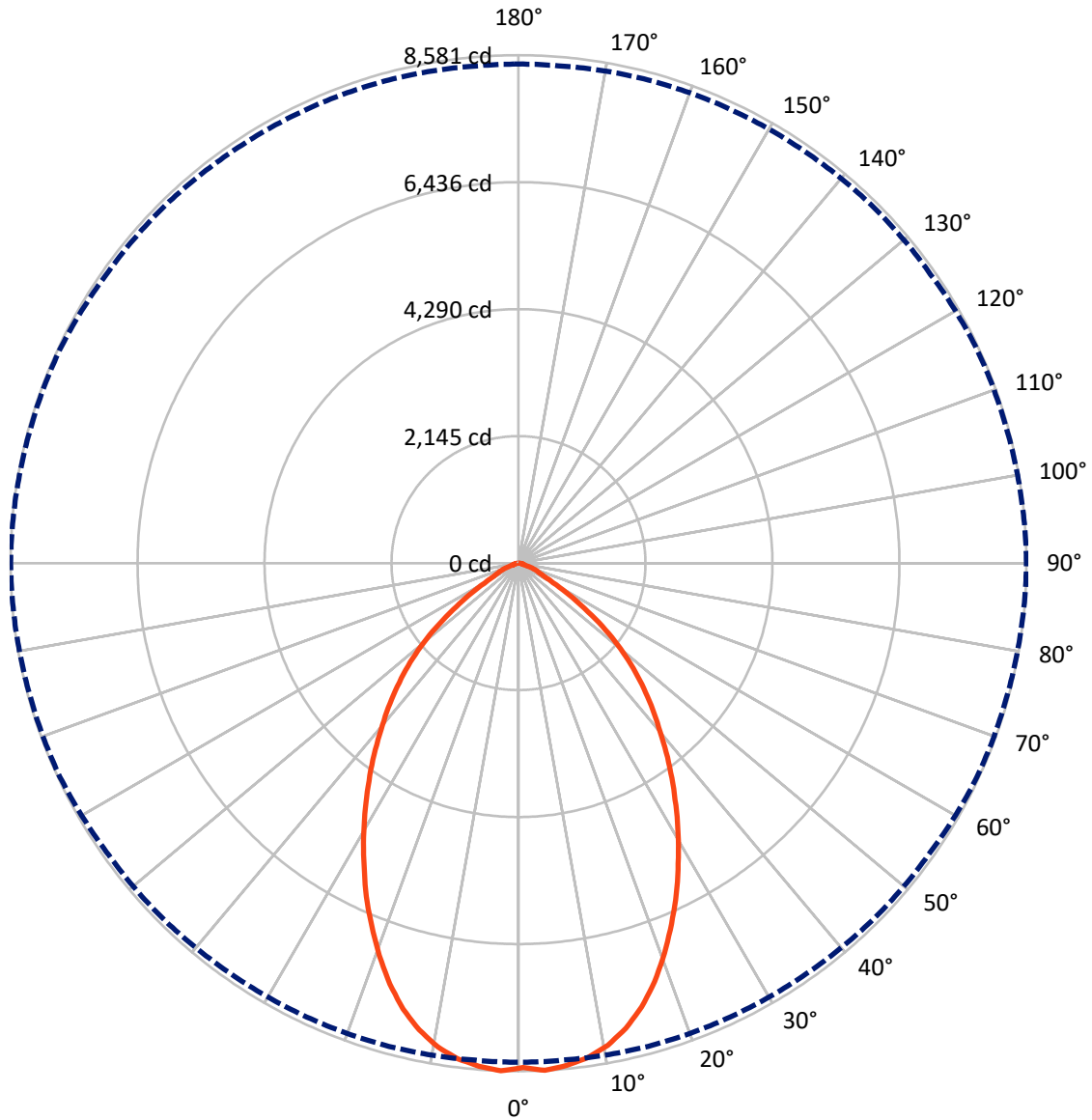
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 21.3 fc
 Type V - Short - N/A

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CATALOG NUMBER: IFLD-S-SA2E-935-U-66

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	6234.7	0.0	6234.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6234.7	0.0	6234.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	12469.4	0.0	12469.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	800.1	6.4
10°-20°	2150.0	17.2
20°-30°	2781.6	22.3
30°-40°	2743.3	22.0
40°-50°	2219.5	17.8
50°-60°	1208.4	9.7
60°-70°	382.9	3.1
70°-80°	148.1	1.2
80°-90°	35.4	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°	12469.4	100.0
0°-180°	12469.4	100.0

Coefficient of Utilization



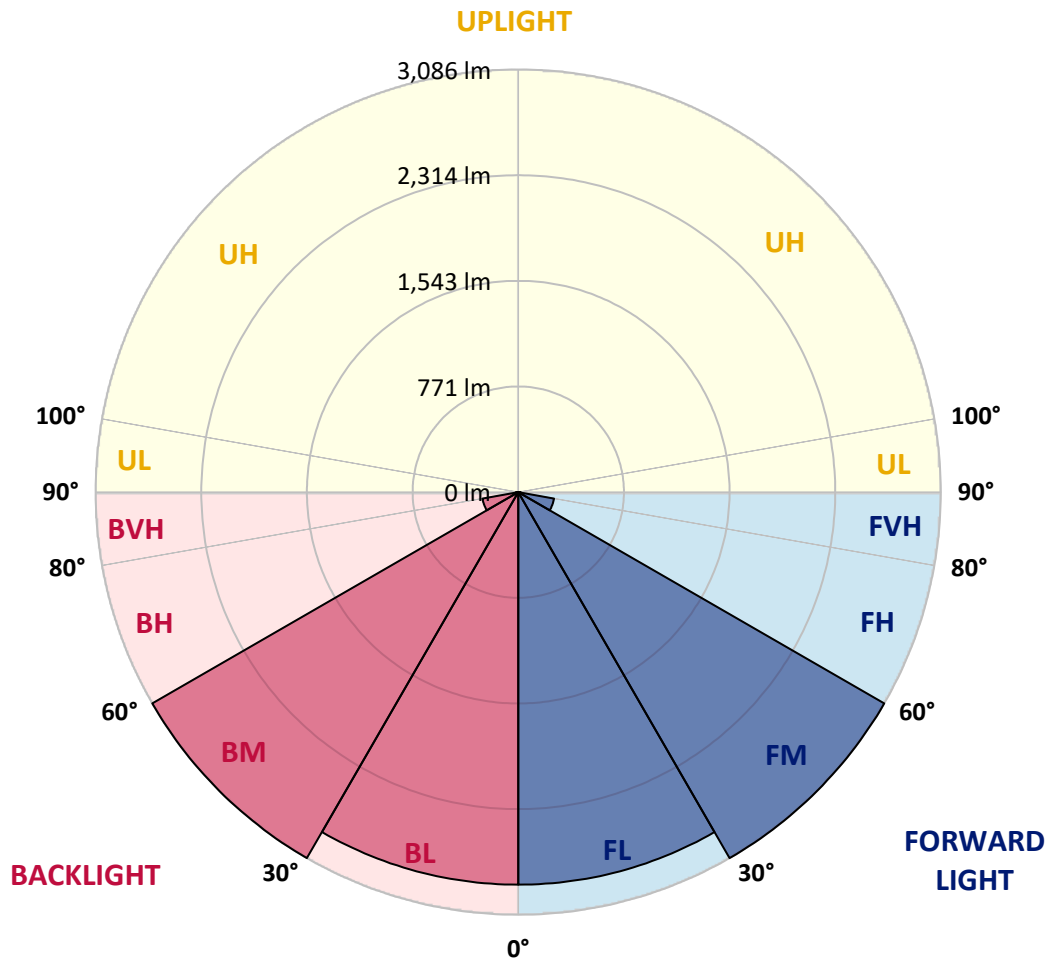
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2865.8	23.0			
FM (30°-60°)	3085.6	24.7			
FH (60°-80°)	265.5	2.1			G0/660
FVH (80°-90°)	17.7	0.1			G1/100
BL (0°-30°)	2865.8	23.0	B4/5000		
BM (30°-60°)	3085.6	24.7	B3/5000		
BH (60°-80°)	265.5	2.1	B1/500		G0/660
BVH (80°-90°)	17.7	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°	8523.2	8523.2	8523.2	8523.2	8523.2	8523.2	8523.2	8523.2	8523.2	8523.2	8523.2
2.5°	8431.3	8429.5	8451.1	8460.1	8470.9	8492.5	8499.8	8546.6	8552.0	8570.0	8580.8
5°	8416.9	8409.7	8431.3	8434.9	8447.5	8451.1	8461.9	8494.3	8490.7	8517.8	8523.2
7.5°	8339.4	8330.4	8348.4	8352.0	8370.0	8364.6	8382.7	8406.1	8406.1	8425.9	8434.9
10°	8166.5	8164.7	8182.7	8184.5	8209.7	8204.3	8233.1	8238.5	8252.9	8267.4	8283.6
12.5°	7959.3	7935.9	7959.3	7950.3	7984.5	7964.7	8004.3	8016.9	8024.1	8049.4	8062.0
15°	7692.7	7663.8	7680.0	7671.0	7692.7	7667.4	7708.9	7734.1	7743.1	7768.3	7780.9
17.5°	7335.9	7312.5	7316.1	7303.5	7317.9	7298.1	7337.7	7377.4	7390.0	7417.0	7435.0
20°	6887.4	6887.4	6889.2	6878.4	6891.0	6871.1	6896.4	6957.6	6970.2	7006.3	7036.9
22.5°	6449.6	6449.6	6455.0	6440.6	6444.2	6435.2	6462.2	6521.6	6541.5	6579.3	6617.1
25°	6029.8	6022.6	6026.2	6013.6	5999.2	6002.8	6035.2	6073.1	6116.3	6164.9	6193.8
27.5°	5629.9	5638.9	5617.3	5608.3	5597.4	5577.6	5615.5	5662.3	5692.9	5732.6	5747.0
30°	5202.9	5220.9	5204.7	5197.5	5170.5	5145.3	5184.9	5231.7	5262.4	5300.2	5316.4
32.5°	4822.8	4817.4	4803.0	4786.7	4759.7	4739.9	4756.1	4810.2	4833.6	4873.2	4878.6
35°	4415.6	4412.0	4403.0	4370.6	4361.6	4338.2	4352.6	4399.4	4417.4	4440.8	4458.9
37.5°	4017.5	4004.9	4001.3	3988.7	3972.4	3967.0	3967.0	3992.3	4010.3	4033.7	4051.7
40°	3622.9	3626.5	3615.7	3604.9	3599.5	3592.3	3594.1	3608.5	3622.9	3633.7	3644.6
42.5°	3266.2	3246.4	3239.2	3228.4	3233.8	3242.8	3223.0	3244.6	3262.6	3262.6	3286.0
45°	2857.3	2866.3	2869.9	2887.9	2887.9	2878.9	2871.7	2882.5	2900.5	2898.7	2922.1
47.5°	2500.6	2489.8	2498.8	2525.8	2549.2	2552.8	2531.2	2536.6	2542.0	2533.0	2554.6
50°	2109.6	2113.2	2111.4	2152.9	2199.7	2183.5	2167.3	2172.7	2170.9	2170.9	2174.5
52.5°	1684.5	1693.5	1682.7	1742.1	1792.6	1779.9	1769.1	1769.1	1778.1	1776.3	1774.5
55°	1297.1	1293.5	1270.1	1298.9	1344.0	1345.8	1329.6	1336.8	1345.8	1354.8	1353.0
57.5°	965.6	954.8	922.4	924.2	974.6	987.3	972.8	971.0	981.8	985.5	1005.3
60°	650.4	648.6	619.7	617.9	637.8	672.0	655.8	655.8	659.4	664.8	670.2
62.5°	445.0	448.6	437.8	436.0	439.6	468.4	466.6	464.8	463.0	470.2	468.4
65°	349.5	351.3	347.7	347.7	349.5	362.1	374.7	376.5	378.3	380.1	378.3
67.5°	281.0	282.8	279.2	282.8	282.8	284.6	302.7	309.9	311.7	311.7	309.9
70°	216.2	223.4	227.0	227.0	227.0	227.0	239.6	248.6	246.8	236.0	225.2
72.5°	108.1	131.5	182.0	183.8	182.0	180.2	187.4	196.4	194.6	136.9	102.7
75°	72.1	77.5	142.3	149.5	147.7	140.5	147.7	158.5	154.9	88.3	84.7
77.5°	41.4	45.0	95.5	109.9	118.9	102.7	117.1	127.9	122.5	72.1	70.3
80°	32.4	30.6	68.5	84.7	81.1	64.9	95.5	102.7	93.7	54.0	48.6
82.5°	19.8	19.8	45.0	64.9	59.5	37.8	66.7	79.3	70.3	39.6	36.0
85°	10.8	12.6	21.6	32.4	34.2	25.2	36.0	43.2	43.2	25.2	25.2
87.5°	5.4	5.4	7.2	7.2	9.0	10.8	10.8	12.6	9.0	7.2	7.2
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)