

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: P524186

Luminaire Tested: **IFLD-S-SA3D-940-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524186
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-940-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (48) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

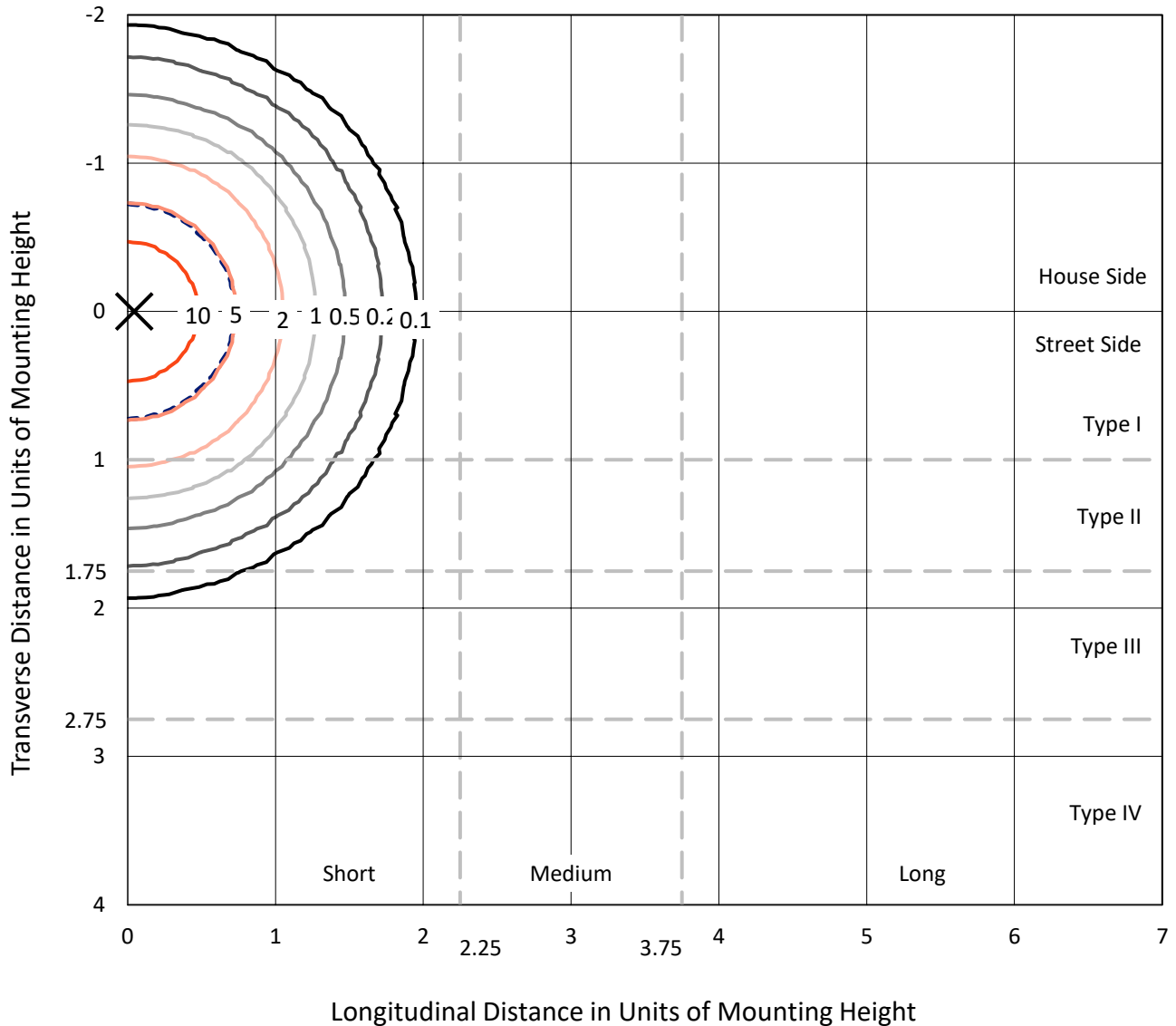
Lumens per Lamp: N/A
Luminaire Lumens: 17474.3 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 184.1
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: P524186
 CATALOG NUMBER: IFLD-S-SA3D-940-U-66

Iso-Footcandle Lines of Horizontal Illumination

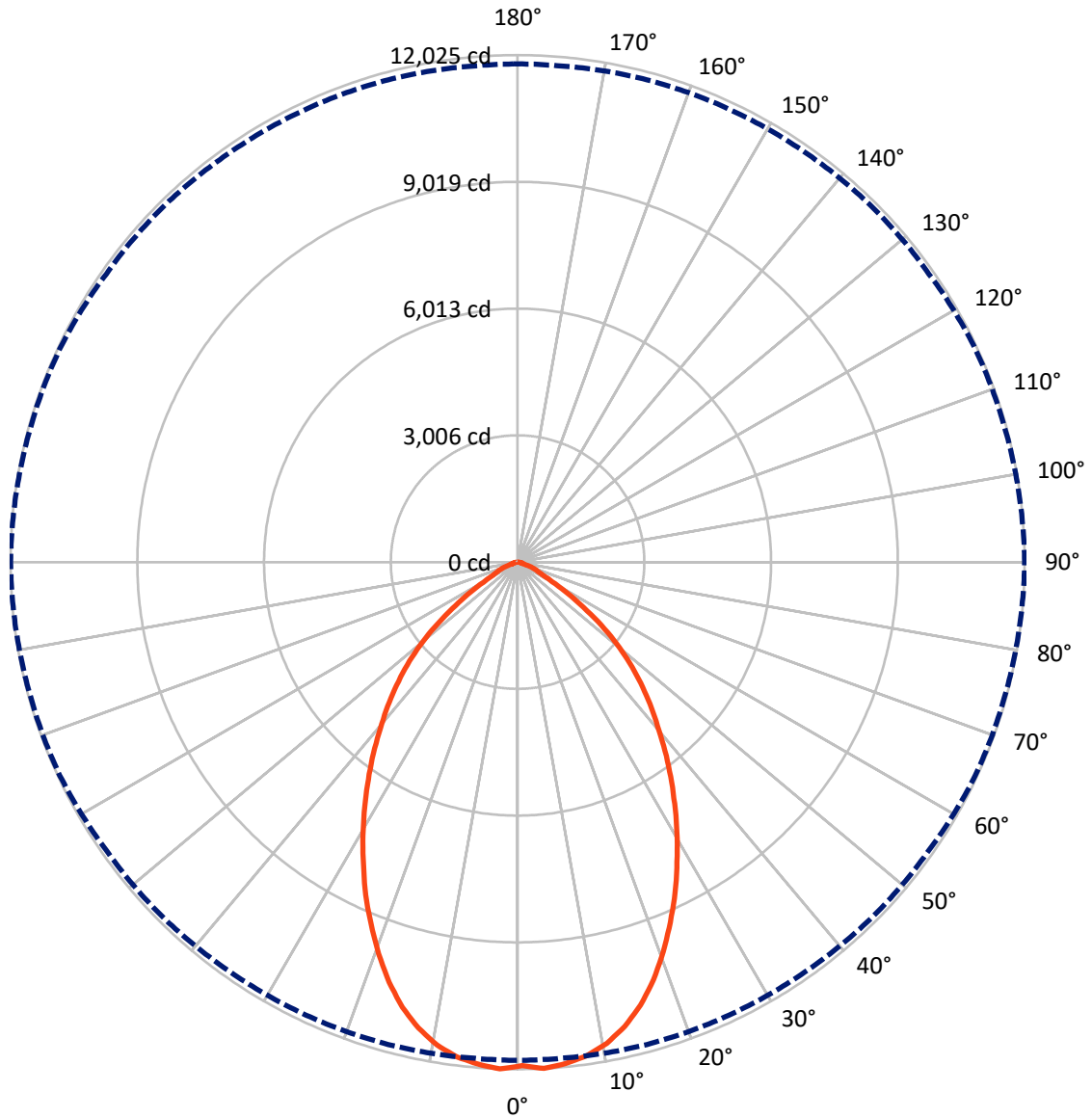
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.1 fc
 Type V - Short - N/A

REPORT NUMBER: P524186
CATALOG NUMBER: IFLD-S-SA3D-940-U-66

Luminous Intensity Polar Plot



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

REPORT NUMBER: P524186
 CATALOG NUMBER: IFLD-S-SA3D-940-U-66

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8737.2	0.0	8737.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8737.2	0.0	8737.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	17474.3	0.0	17474.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1121.3	6.4
10°-20°	3012.9	17.2
20°-30°	3898.1	22.3
30°-40°	3844.5	22.0
40°-50°	3110.3	17.8
50°-60°	1693.5	9.7
60°-70°	536.6	3.1
70°-80°	207.6	1.2
80°-90°	49.6	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°	17474.3	100.0
0°-180°	17474.3	100.0

Coefficient of Utilization



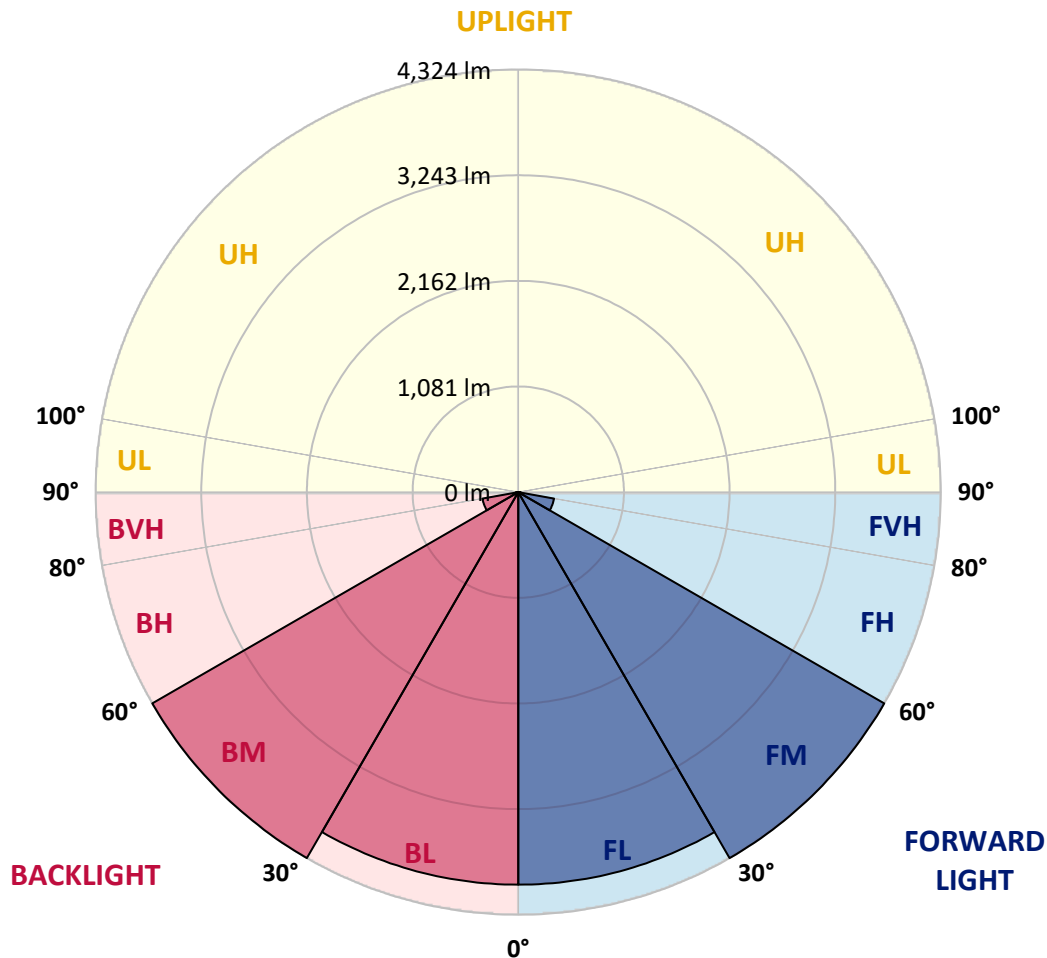
REPORT NUMBER: P524186
 CATALOG NUMBER: IFLD-S-SA3D-940-U-66

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4016.1	23.0			
FM (30°-60°)	4324.1	24.7			
FH (60°-80°)	372.1	2.1			G0/660
FVH (80°-90°)	24.8	0.1			G1/100
BL (0°-30°)	4016.1	23.0	B4/5000		
BM (30°-60°)	4324.1	24.7	B3/5000		
BH (60°-80°)	372.1	2.1	B1/500		G0/660
BVH (80°-90°)	24.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





REPORT NUMBER: P524186
 CATALOG NUMBER: IFLD-S-SA3D-940-U-66

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	11944.2	11944.2	11944.2	11944.2	11944.2	11944.2	11944.2	11944.2	11944.2	11944.2	11944.2
2.5°	11815.4	11812.9	11843.2	11855.8	11871.0	11901.3	11911.4	11977.0	11984.6	12009.8	12025.0
5°	11795.2	11785.1	11815.4	11820.5	11838.1	11843.2	11858.3	11903.8	11898.7	11936.6	11944.2
7.5°	11686.7	11674.0	11699.3	11704.3	11729.6	11722.0	11747.3	11780.1	11780.1	11807.8	11820.5
10°	11444.3	11441.8	11467.0	11469.5	11504.9	11497.3	11537.7	11545.3	11565.5	11585.7	11608.4
12.5°	11154.0	11121.1	11154.0	11141.3	11189.3	11161.5	11217.1	11234.7	11244.8	11280.2	11297.9
15°	10780.3	10739.9	10762.6	10750.0	10780.3	10745.0	10803.0	10838.4	10851.0	10886.3	10904.0
17.5°	10280.4	10247.6	10252.7	10235.0	10255.2	10227.4	10283.0	10338.5	10356.2	10394.0	10419.3
20°	9651.8	9651.8	9654.3	9639.2	9656.8	9629.1	9664.4	9750.2	9767.9	9818.4	9861.3
22.5°	9038.3	9038.3	9045.9	9025.7	9030.7	9018.1	9056.0	9139.3	9167.0	9220.1	9273.1
25°	8450.0	8439.9	8445.0	8427.3	8407.1	8412.2	8457.6	8510.6	8571.2	8639.4	8679.8
27.5°	7889.6	7902.2	7871.9	7859.3	7844.1	7816.4	7869.4	7935.0	7977.9	8033.5	8053.7
30°	7291.2	7316.5	7293.7	7283.7	7245.8	7210.4	7266.0	7331.6	7374.5	7427.6	7450.3
32.5°	6758.5	6750.9	6730.8	6708.0	6670.2	6642.4	6665.1	6740.8	6773.7	6829.2	6836.8
35°	6187.9	6182.9	6170.3	6124.8	6112.2	6079.4	6099.6	6165.2	6190.5	6223.3	6248.5
37.5°	5630.0	5612.3	5607.3	5589.6	5566.9	5559.3	5559.3	5594.7	5619.9	5652.7	5678.0
40°	5077.1	5082.1	5067.0	5051.8	5044.3	5034.2	5036.7	5056.9	5077.1	5092.2	5107.4
42.5°	4577.2	4549.4	4539.3	4524.2	4531.8	4544.4	4516.6	4546.9	4572.2	4572.2	4605.0
45°	4004.1	4016.7	4021.8	4047.0	4047.0	4034.4	4024.3	4039.5	4064.7	4062.2	4095.0
47.5°	3504.2	3489.1	3501.7	3539.6	3572.4	3577.4	3547.2	3554.7	3562.3	3549.7	3580.0
50°	2956.4	2961.4	2958.9	3017.0	3082.6	3059.9	3037.2	3044.7	3042.2	3042.2	3047.3
52.5°	2360.6	2373.2	2358.0	2441.3	2512.0	2494.4	2479.2	2479.2	2491.8	2489.3	2486.8
55°	1817.8	1812.7	1779.9	1820.3	1883.4	1885.9	1863.2	1873.3	1885.9	1898.5	1896.0
57.5°	1353.2	1338.1	1292.6	1295.2	1365.8	1383.5	1363.3	1360.8	1375.9	1381.0	1408.8
60°	911.4	908.9	868.5	866.0	893.7	941.7	919.0	919.0	924.0	931.6	939.2
62.5°	623.6	628.6	613.5	611.0	616.0	656.4	653.9	651.4	648.8	658.9	656.4
65°	489.8	492.3	487.3	487.3	489.8	507.5	525.1	527.7	530.2	532.7	530.2
67.5°	393.8	396.4	391.3	396.4	396.4	398.9	424.1	434.2	436.8	436.8	434.2
70°	303.0	313.1	318.1	318.1	318.1	318.1	335.8	348.4	345.9	330.7	315.6
72.5°	151.5	184.3	255.0	257.5	255.0	252.5	262.6	275.2	272.7	191.9	143.9
75°	101.0	108.6	199.4	209.5	207.0	196.9	207.0	222.2	217.1	123.7	118.7
77.5°	58.1	63.1	133.8	154.0	166.6	143.9	164.1	179.3	171.7	101.0	98.5
80°	45.4	42.9	95.9	118.7	113.6	90.9	133.8	143.9	131.3	75.7	68.2
82.5°	27.8	27.8	63.1	90.9	83.3	53.0	93.4	111.1	98.5	55.5	50.5
85°	15.1	17.7	30.3	45.4	48.0	35.3	50.5	60.6	60.6	35.3	35.3
87.5°	7.6	7.6	10.1	10.1	12.6	15.1	15.1	17.7	12.6	10.1	10.1
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)