

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: P565321

Luminaire Tested: **IFLD-S-SA6A-AMB-U-5WQ**

Issue Date: 09/02/2021



Test Information

Test Method: LM-79-08
Report Number: P565321
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-AMB-U-5WQ
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ 5WQ distribution lens
Light Source: (96) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

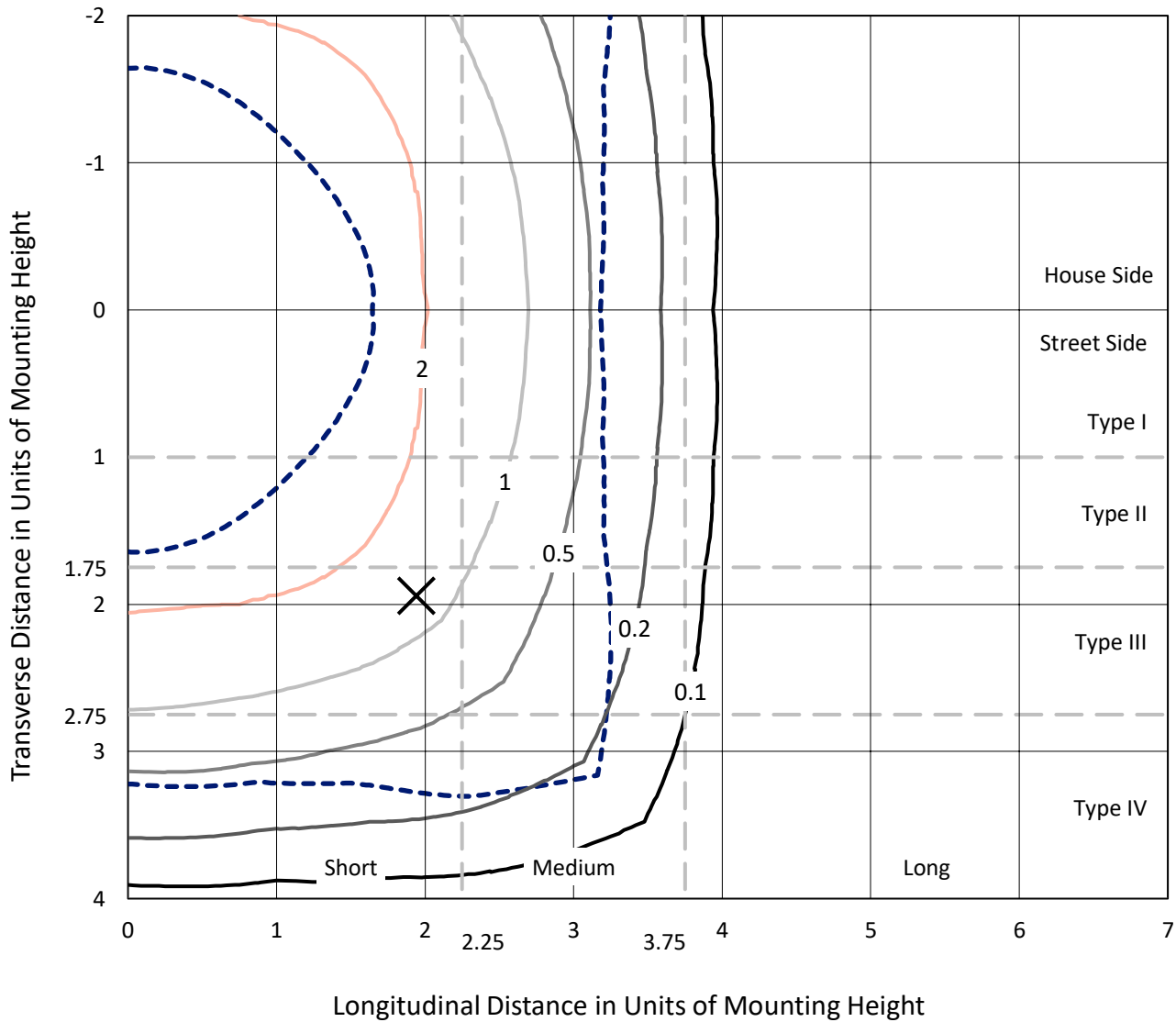
Lumens per Lamp: N/A
Luminaire Lumens: 6585.4 lumens
Efficiency: N/A
Efficacy: 53.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 122.4
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: P565321
 CATALOG NUMBER: IFLD-S-SA6A-AMB-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

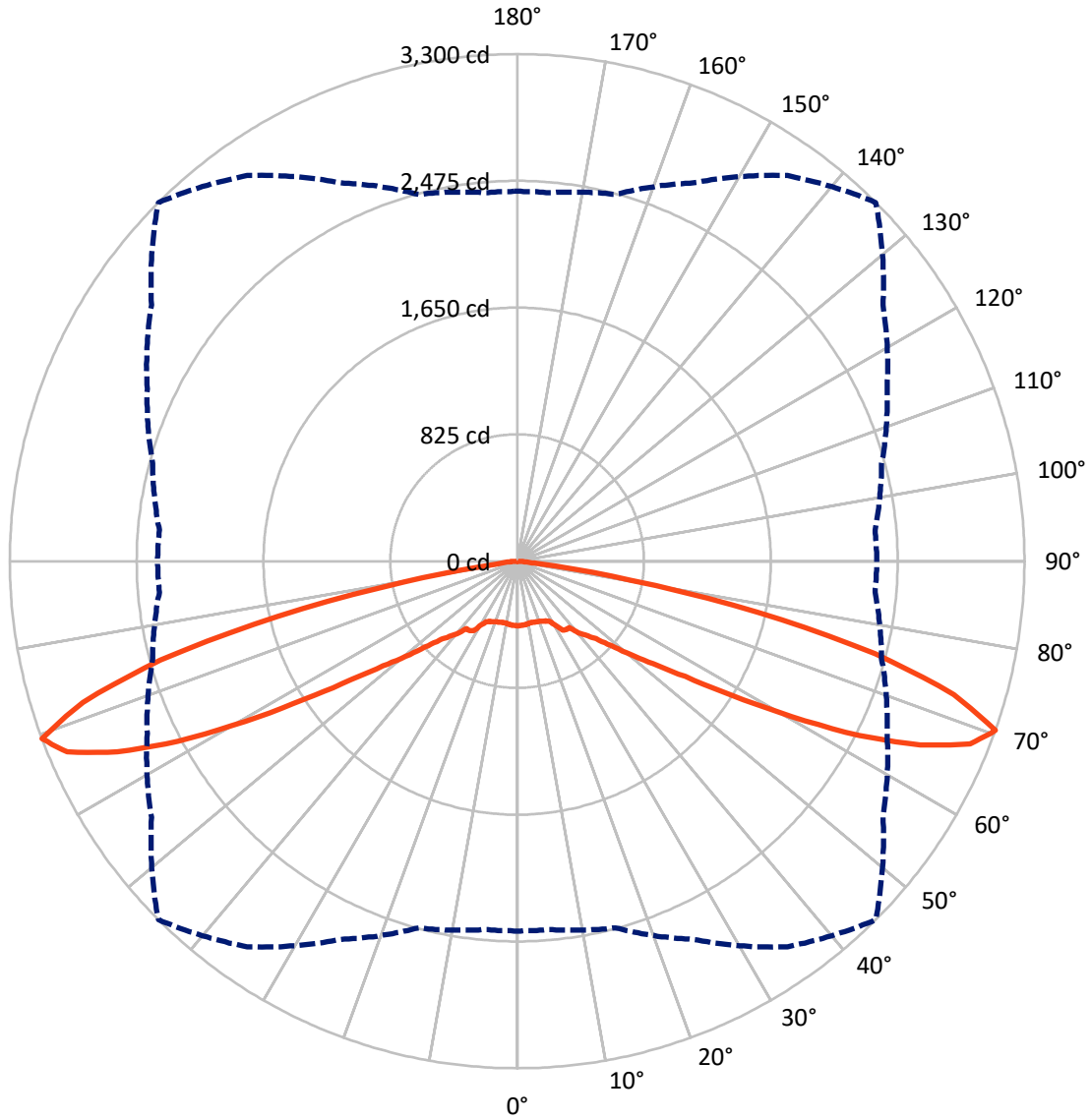
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
 Type V - Short - N/A

REPORT NUMBER: P565321
CATALOG NUMBER: IFLD-S-SA6A-AMB-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P565321
 CATALOG NUMBER: IFLD-S-SA6A-AMB-U-5WQ

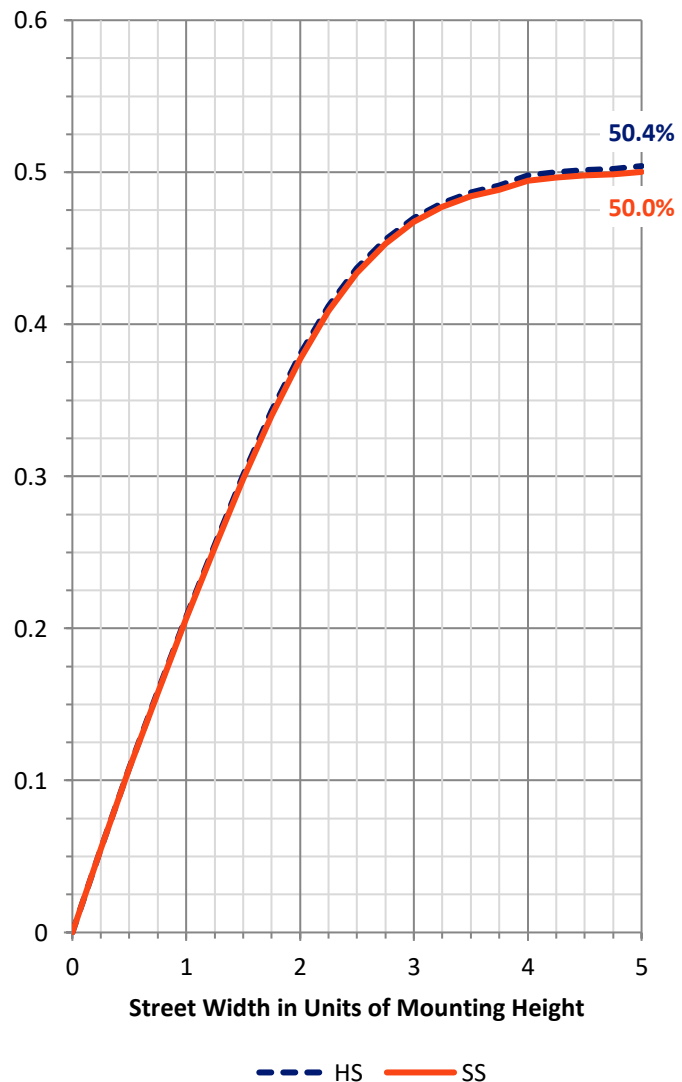
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3292.7	0.0	3292.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3292.7	0.0	3292.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	6585.4	0.0	6585.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.8	0.6
10°-20°	118.1	1.8
20°-30°	205.1	3.1
30°-40°	334.7	5.1
40°-50°	582.1	8.8
50°-60°	1214.6	18.4
60°-70°	2491.5	37.8
70°-80°	1526.3	23.2
80°-90°	73.2	1.1
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°	6585.4	100.0
0°-180°	6585.4	100.0

Coefficient of Utilization

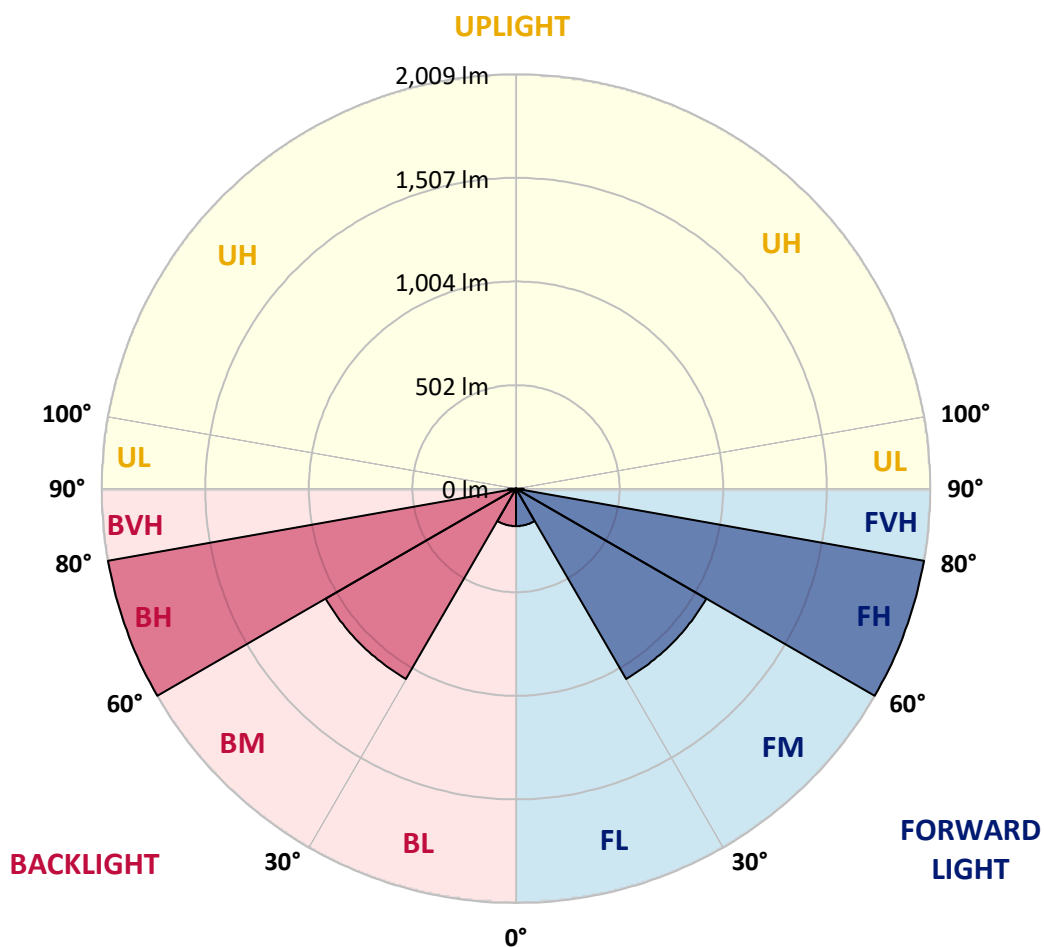


REPORT NUMBER: P565321
 CATALOG NUMBER: IFLD-S-SA6A-AMB-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	181.5	2.8			
FM (30°-60°)	1065.7	16.2			
FH (60°-80°)	2008.9	30.5			G2/5000
FVH (80°-90°)	36.6	0.6			G1/100
BL (0°-30°)	181.5	2.8	B1/500		
BM (30°-60°)	1065.7	16.2	B2/2500		
BH (60°-80°)	2008.9	30.5	B3/2500		G2/5000
BVH (80°-90°)	36.6	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
 Type V Short





REPORT NUMBER: P565321
 CATALOG NUMBER: IFLD-S-SA6A-AMB-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	421.2	421.2	421.2	421.2	421.2	421.2	421.2	421.2	421.2	421.2	421.2
2.5°	418.1	418.1	418.1	418.1	418.1	418.1	421.2	421.2	421.2	424.4	424.4
5°	421.2	418.1	418.1	418.1	418.1	418.1	418.1	418.1	421.2	421.2	421.2
7.5°	418.1	418.1	418.1	414.9	414.9	414.9	414.9	414.9	414.9	414.9	414.9
10°	418.1	414.9	414.9	411.7	411.7	411.7	411.7	411.7	411.7	414.9	414.9
12.5°	421.2	418.1	414.9	411.7	408.5	408.5	408.5	408.5	414.9	414.9	418.1
15°	427.6	424.4	418.1	411.7	408.5	411.7	411.7	411.7	418.1	421.2	421.2
17.5°	430.8	427.6	421.2	414.9	411.7	414.9	414.9	414.9	421.2	427.6	427.6
20°	437.2	430.8	421.2	418.1	418.1	418.1	418.1	418.1	424.4	430.8	430.8
22.5°	440.4	434.0	424.4	421.2	421.2	424.4	424.4	424.4	427.6	434.0	437.2
25°	450.0	443.6	437.2	430.8	434.0	430.8	430.8	430.8	437.2	443.6	443.6
27.5°	469.1	462.7	453.2	446.8	446.8	443.6	446.8	450.0	456.4	462.7	465.9
30°	491.5	485.1	481.9	478.7	478.7	475.5	475.5	478.7	485.1	491.5	491.5
32.5°	491.5	491.5	488.3	494.6	517.0	532.9	517.0	497.8	494.6	494.6	497.8
35°	517.0	513.8	510.6	507.4	526.6	548.9	532.9	507.4	513.8	517.0	520.2
37.5°	574.4	571.2	564.9	548.9	552.1	548.9	548.9	545.7	555.3	561.7	561.7
40°	603.1	596.8	596.8	603.1	619.1	612.7	603.1	603.1	603.1	606.3	609.5
42.5°	663.8	657.4	651.0	647.8	651.0	660.6	644.6	641.4	654.2	667.0	673.4
45°	743.6	737.2	730.8	724.4	714.8	718.0	711.7	724.4	737.2	749.9	756.3
47.5°	839.3	832.9	826.5	820.2	817.0	820.2	810.6	823.3	836.1	848.9	855.3
50°	967.0	960.6	951.0	941.4	938.2	954.2	941.4	954.2	967.0	979.7	989.3
52.5°	1110.6	1107.4	1107.4	1101.0	1094.6	1107.4	1094.6	1104.2	1123.3	1129.7	1142.5
55°	1286.1	1279.7	1282.9	1298.8	1305.2	1324.4	1311.6	1308.4	1311.6	1295.7	1305.2
57.5°	1503.1	1493.5	1509.5	1554.1	1611.6	1643.5	1611.6	1573.3	1515.9	1487.1	1506.3
60°	1777.5	1761.6	1796.7	1866.9	1985.0	2052.0	1988.2	1879.7	1774.3	1739.2	1768.0
62.5°	2202.0	2179.6	2186.0	2265.8	2412.6	2498.8	2399.8	2240.3	2141.3	2109.4	2147.7
65°	2505.1	2492.4	2549.8	2709.4	2846.6	2881.7	2760.4	2629.6	2511.5	2415.8	2450.9
67.5°	2578.5	2569.0	2632.8	2862.6	3146.6	3178.5	2990.2	2786.0	2610.5	2524.3	2546.6
70°	2406.2	2406.2	2470.0	2715.8	3063.6	3299.8	2904.1	2655.1	2454.1	2336.0	2339.2
72.5°	1729.7	1783.9	1917.9	2259.4	2728.5	2971.1	2543.4	2150.9	1844.6	1685.0	1656.3
75°	810.6	839.3	954.2	1362.7	2013.7	2406.2	1905.2	1381.8	1046.7	887.2	832.9
77.5°	197.9	226.6	322.3	606.3	1136.1	1598.8	1116.9	651.0	402.1	312.7	284.0
80°	83.0	86.2	89.4	111.7	315.9	746.8	443.6	217.0	143.6	124.5	114.9
82.5°	38.3	44.7	54.3	57.4	73.4	134.0	137.2	105.3	92.5	83.0	73.4
85°	16.0	19.1	28.7	31.9	41.5	44.7	51.1	60.6	60.6	41.5	38.3
87.5°	3.2	6.4	9.6	9.6	12.8	12.8	16.0	22.3	28.7	16.0	12.8
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)