

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: P479731

Luminaire Tested: **IFLD-S-SA6A-740-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479731
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-740-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (96) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

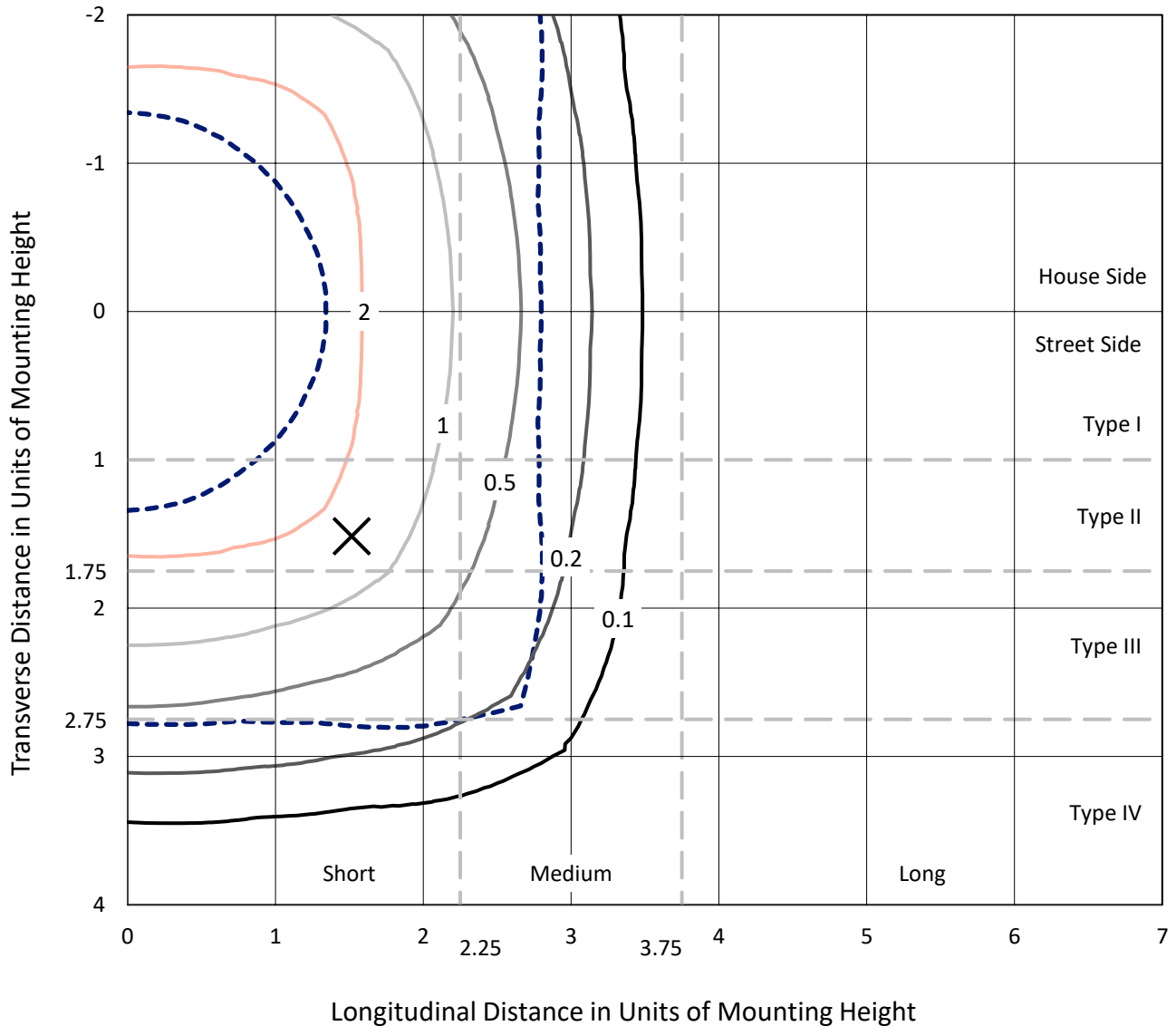
Lumens per Lamp: N/A
Luminaire Lumens: 27696.8 lumens
Efficiency: N/A
Efficacy: 146.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 189.6
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: P479731
 CATALOG NUMBER: IFLD-S-SA6A-740-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

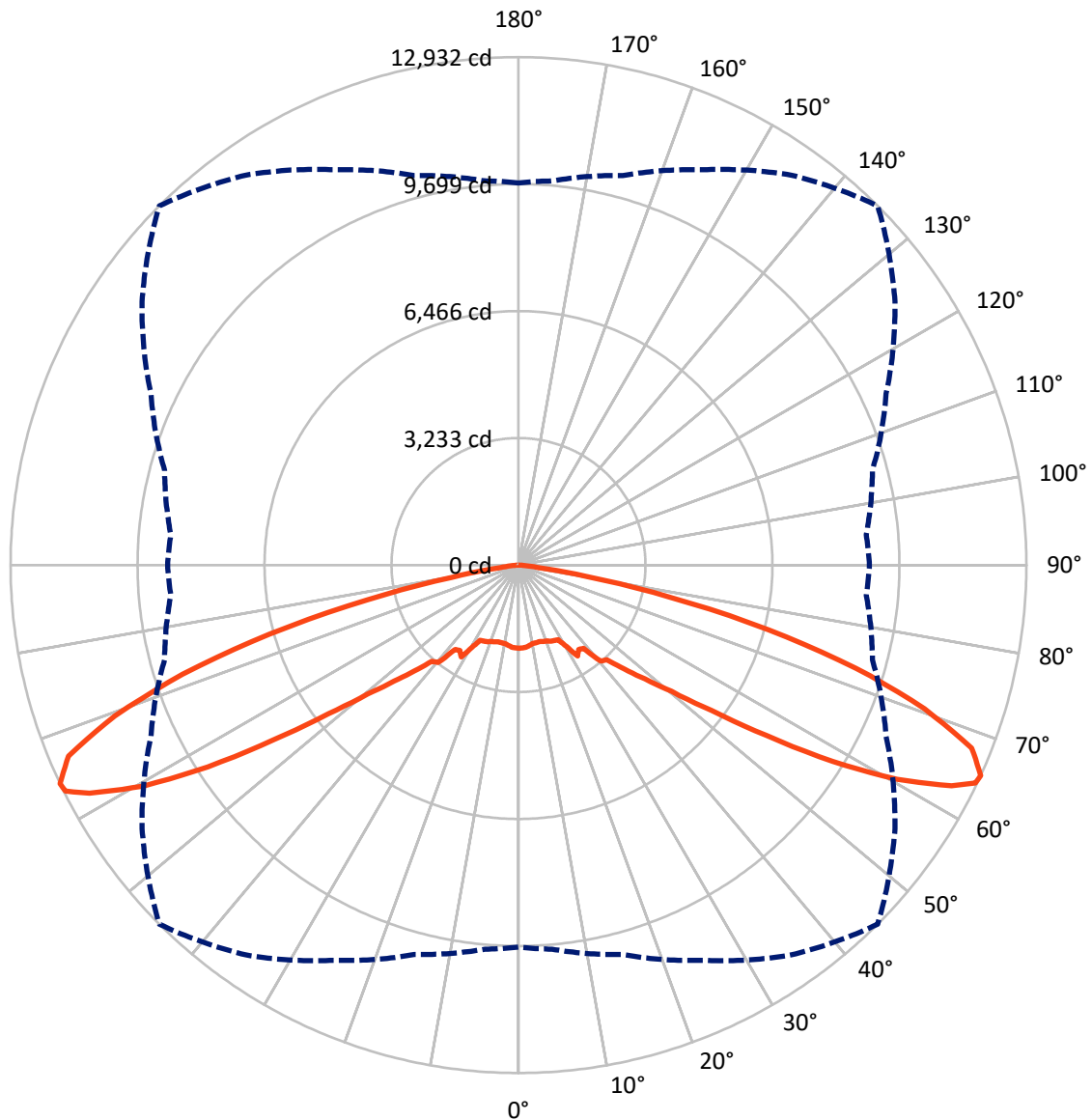
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type V - Short - N/A

REPORT NUMBER: P479731
CATALOG NUMBER: IFLD-S-SA6A-740-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P479731

CATALOG NUMBER: IFLD-S-SA6A-740-U-5WQ

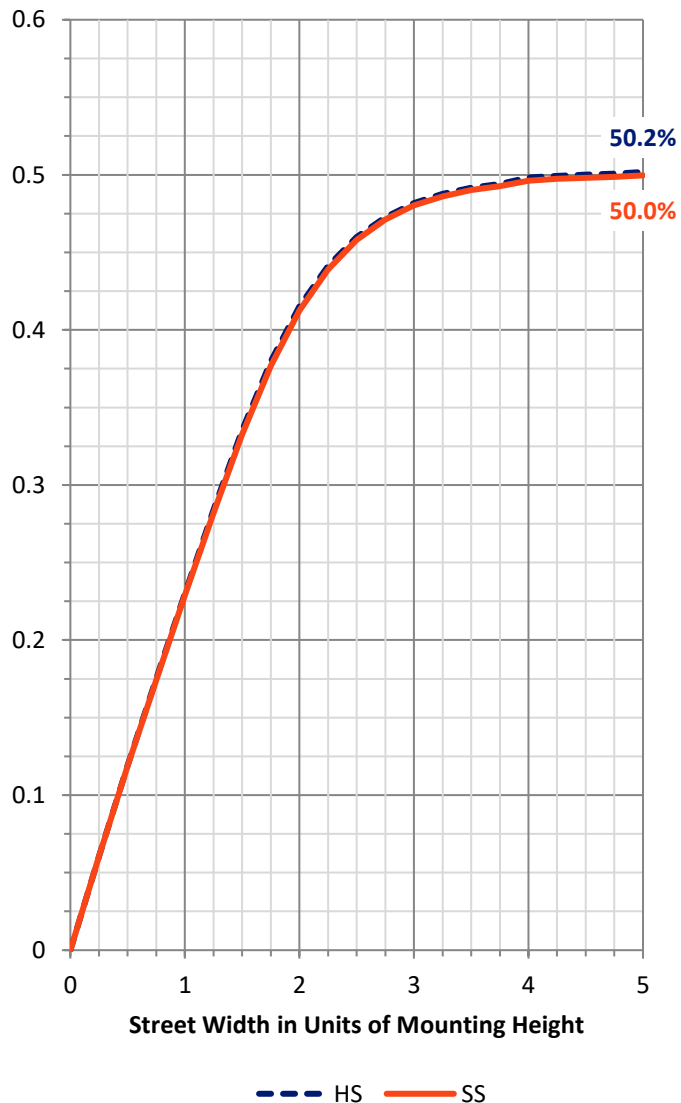
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13848.4	0.0	13848.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13848.4	0.0	13848.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	27696.8	0.0	27696.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.7	0.7
10°-20°	583.7	2.1
20°-30°	1010.4	3.6
30°-40°	1680.1	6.1
40°-50°	3031.2	10.9
50°-60°	6752.4	24.4
60°-70°	10063.3	36.3
70°-80°	4170.4	15.1
80°-90°	206.5	0.7
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°	27696.8	100.0
0°-180°	27696.8	100.0

Coefficient of Utilization



REPORT NUMBER: P479731

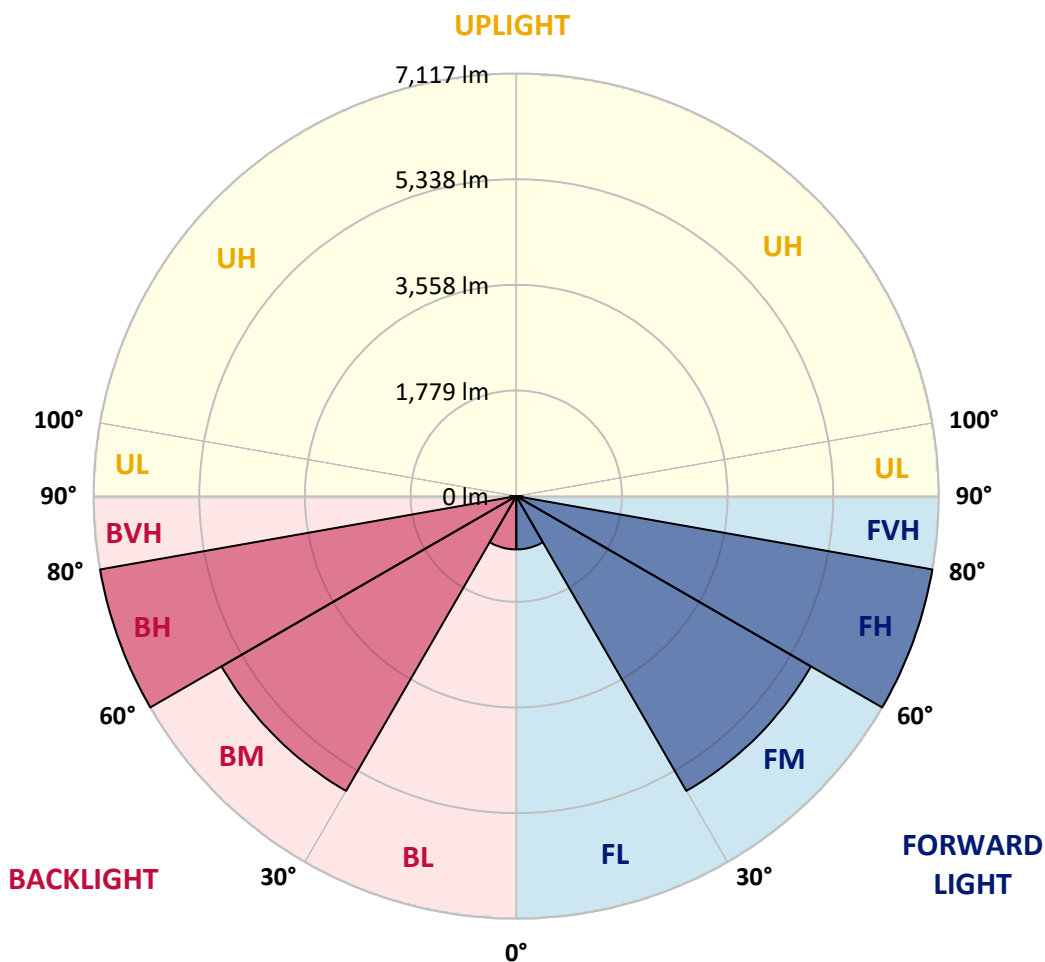
CATALOG NUMBER: IFLD-S-SA6A-740-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	896.4	3.2			
FM (30°-60°)	5731.9	20.7			
FH (60°-80°)	7116.8	25.7			G3/7500
FVH (80°-90°)	103.3	0.4			G2/225
BL (0°-30°)	896.4	3.2	B2/1000		
BM (30°-60°)	5731.9	20.7	B4/8500		
BH (60°-80°)	7116.8	25.7	B5		G3/7500
BVH (80°-90°)	103.3	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





REPORT NUMBER: P479731
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2117.6	2117.6	2117.6	2117.6	2117.6	2117.6	2117.6	2117.6	2117.6	2117.6	2117.6
2.5°	2093.1	2099.2	2096.2	2096.2	2105.4	2111.5	2114.5	2145.1	2132.9	2142.1	2132.9
5°	2099.2	2099.2	2105.4	2099.2	2105.4	2099.2	2105.4	2096.2	2105.4	2111.5	2120.7
7.5°	2087.0	2080.9	2071.7	2071.7	2068.6	2062.5	2053.3	2077.8	2065.6	2074.8	2090.1
10°	2090.1	2080.9	2050.3	2056.4	2028.8	2028.8	2035.0	2035.0	2062.5	2093.1	2102.3
12.5°	2090.1	2071.7	2062.5	2022.7	2022.7	2025.8	2041.1	2047.2	2065.6	2077.8	2108.4
15°	2090.1	2080.9	2065.6	2013.5	2025.8	2019.7	2035.0	2035.0	2074.8	2096.2	2111.5
17.5°	2102.3	2108.4	2080.9	2031.9	2035.0	2047.2	2038.0	2047.2	2096.2	2111.5	2132.9
20°	2105.4	2080.9	2071.7	2041.1	2068.6	2062.5	2059.5	2077.8	2093.1	2120.7	2145.1
22.5°	2099.2	2108.4	2071.7	2068.6	2093.1	2105.4	2111.5	2090.1	2108.4	2126.8	2148.2
25°	2151.3	2117.6	2108.4	2102.3	2114.5	2126.8	2120.7	2139.0	2139.0	2160.4	2188.0
27.5°	2292.0	2295.1	2276.7	2203.3	2178.8	2151.3	2163.5	2212.5	2270.6	2316.5	2325.7
30°	2356.3	2368.5	2417.5	2405.2	2396.1	2405.2	2402.2	2414.4	2420.5	2423.6	2414.4
32.5°	2414.4	2408.3	2386.9	2442.0	2622.5	2760.2	2628.6	2448.1	2408.3	2396.1	2408.3
35°	2625.6	2625.6	2579.7	2509.3	2604.1	2637.8	2576.6	2490.9	2539.9	2640.9	2647.0
37.5°	2897.9	2858.1	2876.5	2867.3	2763.3	2689.8	2796.9	2852.0	2861.2	2858.1	2888.7
40°	3060.1	3032.6	3005.0	3054.0	3148.8	3216.2	3121.3	2989.7	3023.4	3090.7	3063.2
42.5°	3430.4	3360.0	3366.1	3317.2	3314.1	3292.7	3271.3	3280.4	3329.4	3405.9	3418.1
45°	3809.8	3843.5	3822.1	3730.3	3773.1	3773.1	3711.9	3757.8	3782.3	3871.0	3883.3
47.5°	4403.5	4388.2	4397.4	4314.7	4311.7	4333.1	4311.7	4314.7	4391.2	4385.1	4351.5
50°	5098.1	5141.0	5153.2	5113.4	5064.5	5055.3	5021.6	5064.5	5110.4	5113.4	5085.9
52.5°	6059.0	6104.9	6104.9	6117.1	6178.4	6147.7	6141.6	6144.7	6055.9	5994.7	6025.3
55°	7270.8	7286.1	7338.1	7445.2	7631.9	7656.4	7540.1	7488.1	7325.9	7228.0	7304.5
57.5°	8467.3	8528.5	8672.3	8950.8	9180.3	9431.2	9094.6	8751.9	8433.6	8277.6	8305.1
60°	9461.8	9550.6	9826.0	10214.6	10851.1	11080.6	10511.5	9923.9	9278.2	8800.9	8993.6
62.5°	9930.0	10067.7	10300.3	11086.8	12041.5	12372.0	11536.6	10468.6	9489.4	9030.4	9021.2
64°	9933.1	9954.5	10419.7	11267.3	12249.6	12889.2	11784.5	10468.6	9541.4	8975.3	9079.3
65°	9728.1	9816.8	10266.7	11102.1	12118.0	12932.0	11698.8	10324.8	9327.2	8886.5	8935.5
67.5°	8797.8	8794.7	9210.9	10040.2	11450.9	12445.4	10970.5	9520.0	8797.8	8320.4	8378.6
70°	6674.1	6781.2	7179.0	8198.0	9908.6	10973.5	9593.4	8090.9	7191.2	6808.7	6787.3
72.5°	3993.4	4134.2	4642.2	5884.6	7696.2	8990.6	7613.5	5985.6	4902.3	4296.4	4311.7
75°	1820.8	1924.8	2273.7	3286.6	5128.7	6573.1	5159.3	3461.0	2481.7	2096.2	2041.1
77.5°	511.0	575.3	768.1	1508.6	2815.3	3941.4	2894.9	1667.8	1083.3	899.7	881.3
80°	229.5	241.7	272.3	367.2	893.6	1738.1	1196.5	612.0	407.0	336.6	321.3
82.5°	125.5	134.6	177.5	189.7	254.0	462.1	394.8	287.6	244.8	195.8	189.7
85°	70.4	73.4	101.0	101.0	122.4	134.6	143.8	153.0	149.9	110.2	107.1
87.5°	21.4	24.5	30.6	30.6	30.6	30.6	49.0	67.3	73.4	52.0	52.0
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)