

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: P479576

Luminaire Tested: **IFLD-S-SA6B-722-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479576
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-722-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (96) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

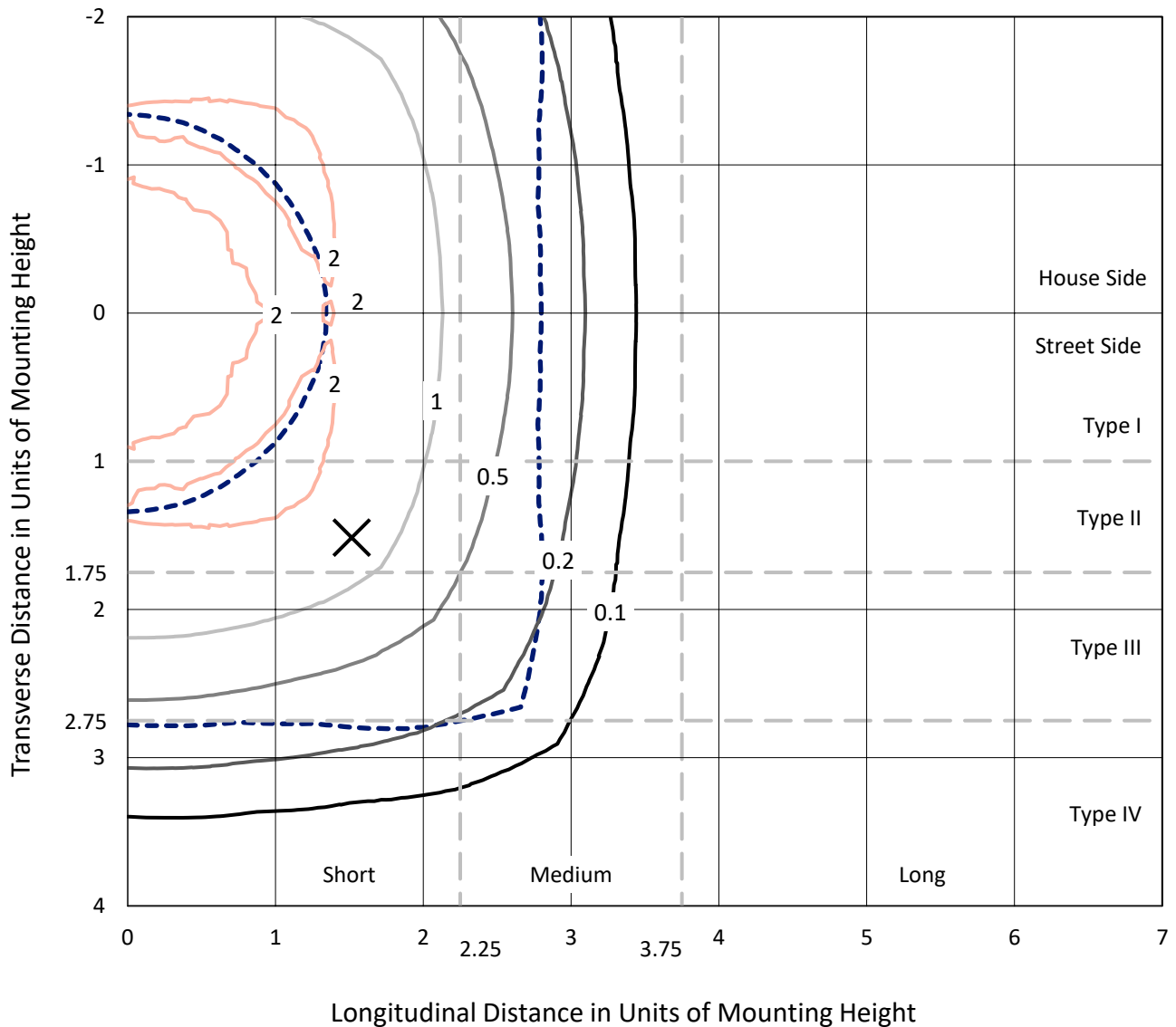
Lumens per Lamp: N/A
Luminaire Lumens: 25231.4 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 244.9
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: P479576
 CATALOG NUMBER: IFLD-S-SA6B-722-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

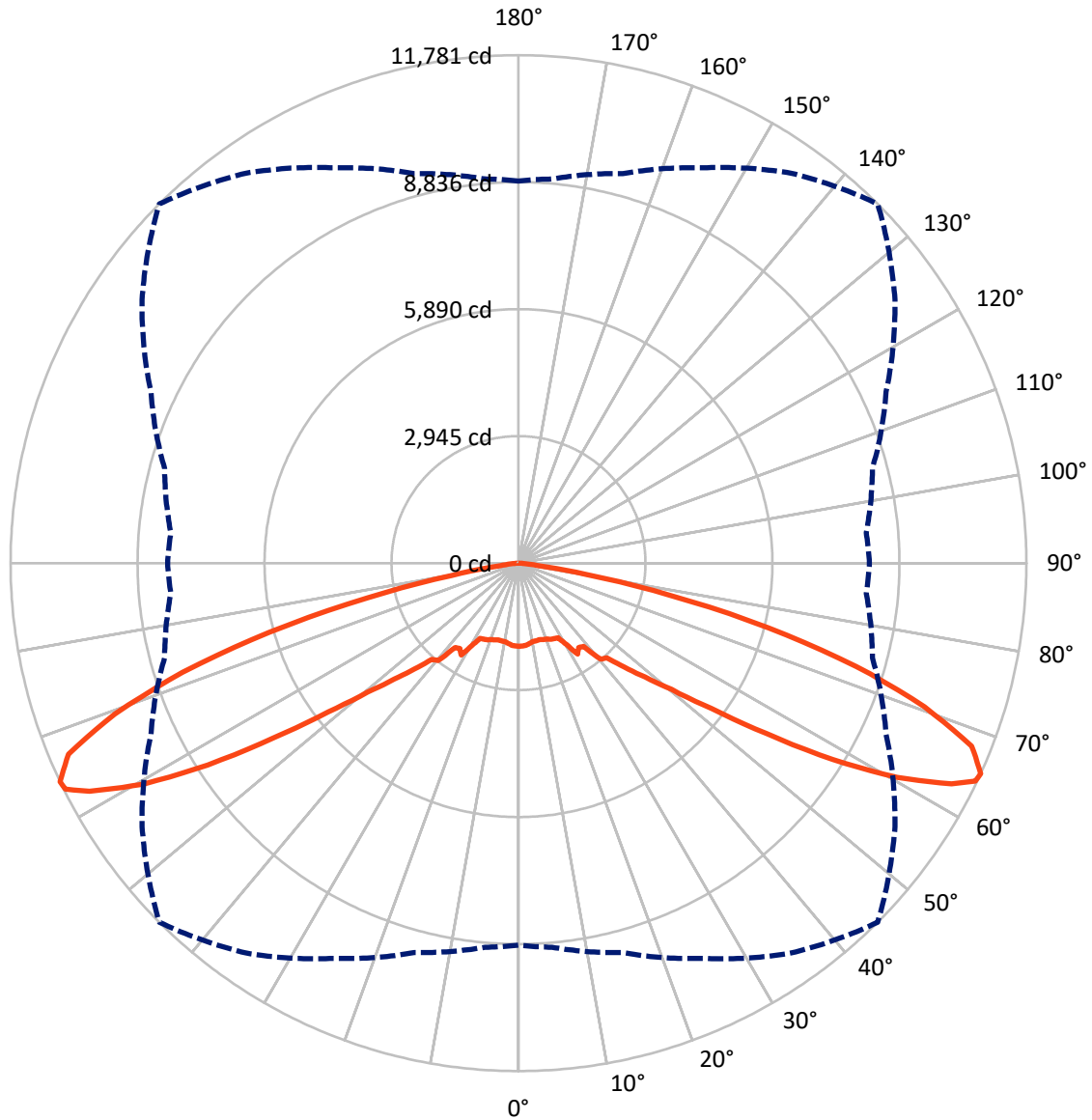
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type V - Short - N/A

REPORT NUMBER: P479576
CATALOG NUMBER: IFLD-S-SA6B-722-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P479576

CATALOG NUMBER: IFLD-S-SA6B-722-U-5WQ

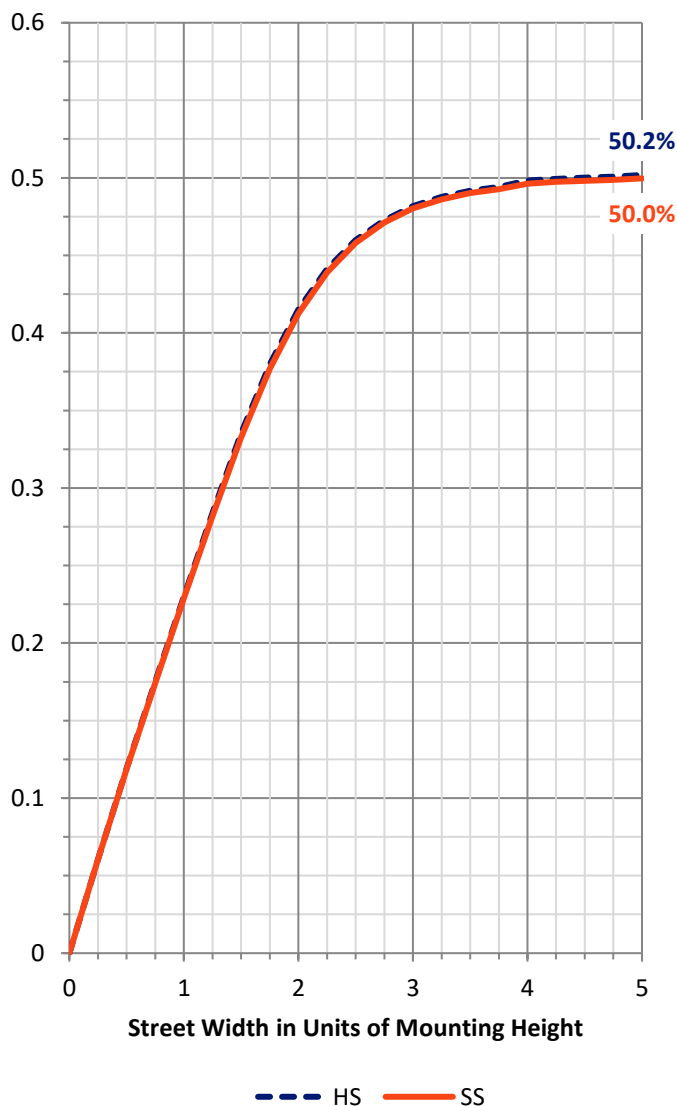
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12615.7	0.0	12615.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12615.7	0.0	12615.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	25231.4	0.0	25231.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.0	0.7
10°-20°	531.8	2.1
20°-30°	920.5	3.6
30°-40°	1530.6	6.1
40°-50°	2761.4	10.9
50°-60°	6151.4	24.4
60°-70°	9167.5	36.3
70°-80°	3799.1	15.1
80°-90°	188.2	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°	25231.4	100.0
0°-180°	25231.4	100.0

Coefficient of Utilization



REPORT NUMBER: P479576

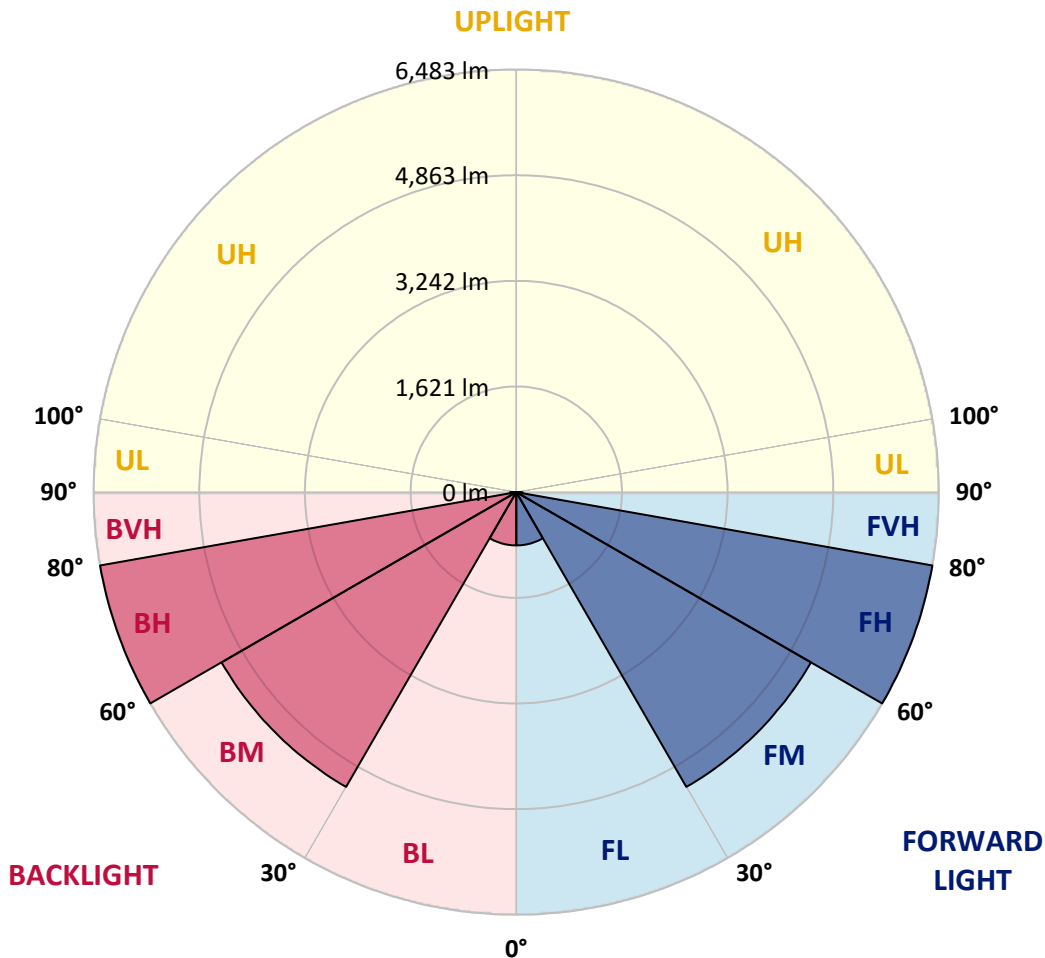
CATALOG NUMBER: IFLD-S-SA6B-722-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	816.6	3.2			
FM (30°-60°)	5221.7	20.7			
FH (60°-80°)	6483.3	25.7			G3/7500
FVH (80°-90°)	94.1	0.4			G1/100
BL (0°-30°)	816.6	3.2	B2/1000		
BM (30°-60°)	5221.7	20.7	B4/8500		
BH (60°-80°)	6483.3	25.7	B5		G3/7500
BVH (80°-90°)	94.1	0.4			G1/100
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: P479576
 CATALOG NUMBER: IFLD-S-SA6B-722-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1929.1	1929.1	1929.1	1929.1	1929.1	1929.1	1929.1	1929.1	1929.1	1929.1	1929.1
2.5°	1906.8	1912.4	1909.6	1909.6	1917.9	1923.5	1926.3	1954.2	1943.0	1951.4	1943.0
5°	1912.4	1912.4	1917.9	1912.4	1917.9	1912.4	1917.9	1909.6	1917.9	1923.5	1931.9
7.5°	1901.2	1895.6	1887.3	1887.3	1884.5	1878.9	1870.6	1892.9	1881.7	1890.1	1904.0
10°	1904.0	1895.6	1867.8	1873.3	1848.3	1848.3	1853.8	1853.8	1878.9	1906.8	1915.2
12.5°	1904.0	1887.3	1878.9	1842.7	1842.7	1845.5	1859.4	1865.0	1881.7	1892.9	1920.7
15°	1904.0	1895.6	1881.7	1834.3	1845.5	1839.9	1853.8	1853.8	1890.1	1909.6	1923.5
17.5°	1915.2	1920.7	1895.6	1851.0	1853.8	1865.0	1856.6	1865.0	1909.6	1923.5	1943.0
20°	1917.9	1895.6	1887.3	1859.4	1884.5	1878.9	1876.1	1892.9	1906.8	1931.9	1954.2
22.5°	1912.4	1920.7	1887.3	1884.5	1906.8	1917.9	1923.5	1904.0	1920.7	1937.5	1957.0
25°	1959.8	1929.1	1920.7	1915.2	1926.3	1937.5	1931.9	1948.6	1948.6	1968.1	1993.2
27.5°	2088.0	2090.8	2074.1	2007.2	1984.9	1959.8	1970.9	2015.5	2068.5	2110.3	2118.7
30°	2146.5	2157.7	2202.3	2191.1	2182.8	2191.1	2188.4	2199.5	2205.1	2207.9	2199.5
32.5°	2199.5	2193.9	2174.4	2224.6	2389.1	2514.5	2394.6	2230.2	2193.9	2182.8	2193.9
35°	2391.9	2391.9	2350.0	2285.9	2372.3	2403.0	2347.3	2269.2	2313.8	2405.8	2411.4
37.5°	2640.0	2603.7	2620.5	2612.1	2517.3	2450.4	2548.0	2598.1	2606.5	2603.7	2631.6
40°	2787.7	2762.6	2737.5	2782.1	2868.6	2929.9	2843.5	2723.6	2754.3	2815.6	2790.5
42.5°	3125.0	3060.9	3066.5	3021.9	3019.1	2999.6	2980.1	2988.4	3033.0	3102.7	3113.9
45°	3470.7	3501.4	3481.9	3398.2	3437.3	3437.3	3381.5	3423.3	3445.6	3526.5	3537.6
47.5°	4011.5	3997.6	4005.9	3930.7	3927.9	3947.4	3927.9	3930.7	4000.4	3994.8	3964.1
50°	4644.3	4683.4	4694.5	4658.3	4613.7	4605.3	4574.6	4613.7	4655.5	4658.3	4633.2
52.5°	5519.7	5561.5	5561.5	5572.6	5628.4	5600.5	5594.9	5597.7	5516.9	5461.1	5489.0
55°	6623.6	6637.5	6684.9	6782.5	6952.6	6974.9	6868.9	6821.5	6673.8	6584.6	6654.3
57.5°	7713.6	7769.4	7900.4	8154.1	8363.1	8591.7	8285.1	7972.9	7682.9	7540.8	7565.9
60°	8619.6	8700.5	8951.3	9305.4	9885.2	10094.3	9575.8	9040.6	8452.3	8017.5	8193.1
62.5°	9046.1	9171.6	9383.4	10099.9	10969.7	11270.7	10509.7	9536.8	8644.7	8226.5	8218.2
64°	9048.9	9068.4	9492.2	10264.4	11159.2	11741.8	10735.5	9536.8	8692.1	8176.4	8271.1
65°	8862.1	8943.0	9352.8	10113.8	11039.3	11780.9	10657.4	9405.7	8497.0	8095.5	8140.1
67.5°	8014.7	8011.9	8391.0	9146.5	10431.6	11337.6	9994.0	8672.6	8014.7	7579.8	7632.8
70°	6080.0	6177.6	6540.0	7468.3	9026.6	9996.7	8739.5	7370.7	6551.1	6202.7	6183.1
72.5°	3638.0	3766.2	4229.0	5360.8	7011.1	8190.3	6935.8	5452.8	4465.9	3913.9	3927.9
75°	1658.7	1753.5	2071.3	2994.0	4672.2	5988.0	4700.1	3152.9	2260.8	1909.6	1859.4
77.5°	465.5	524.1	699.7	1374.3	2564.7	3590.6	2637.2	1519.3	986.9	819.6	802.9
80°	209.1	220.2	248.1	334.5	814.0	1583.4	1090.0	557.5	370.8	306.6	292.7
82.5°	114.3	122.7	161.7	172.8	231.4	420.9	359.6	262.0	223.0	178.4	172.8
85°	64.1	66.9	92.0	92.0	111.5	122.7	131.0	139.4	136.6	100.4	97.6
87.5°	19.5	22.3	27.9	27.9	27.9	27.9	44.6	61.3	66.9	47.4	47.4
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)