

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: P479615

Luminaire Tested: **IFLD-S-SA6B-727-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479615
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-727-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (96) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

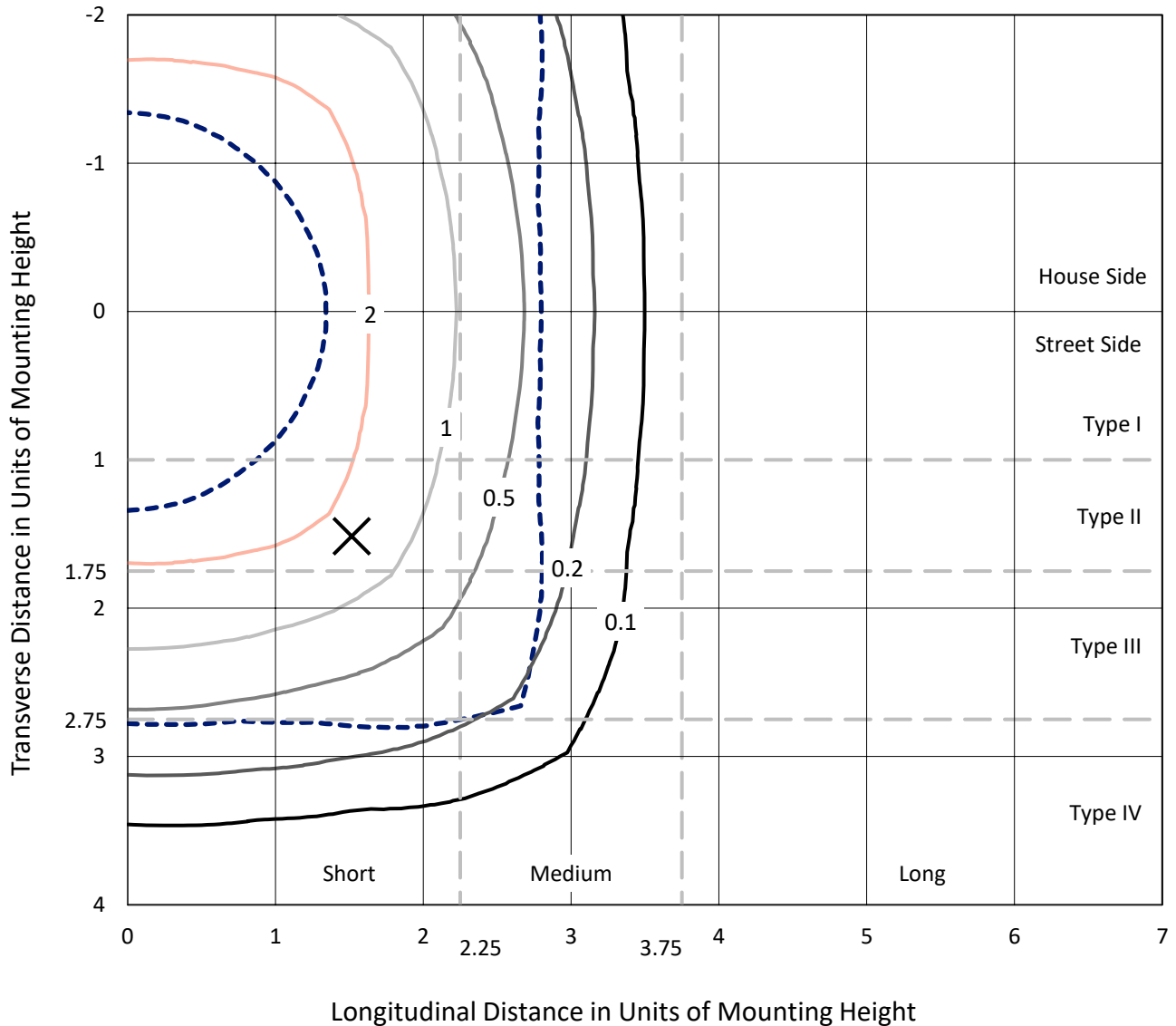
Lumens per Lamp: N/A
Luminaire Lumens: 28646.5 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

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: P479615
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Iso-Footcandle Lines of Horizontal Illumination

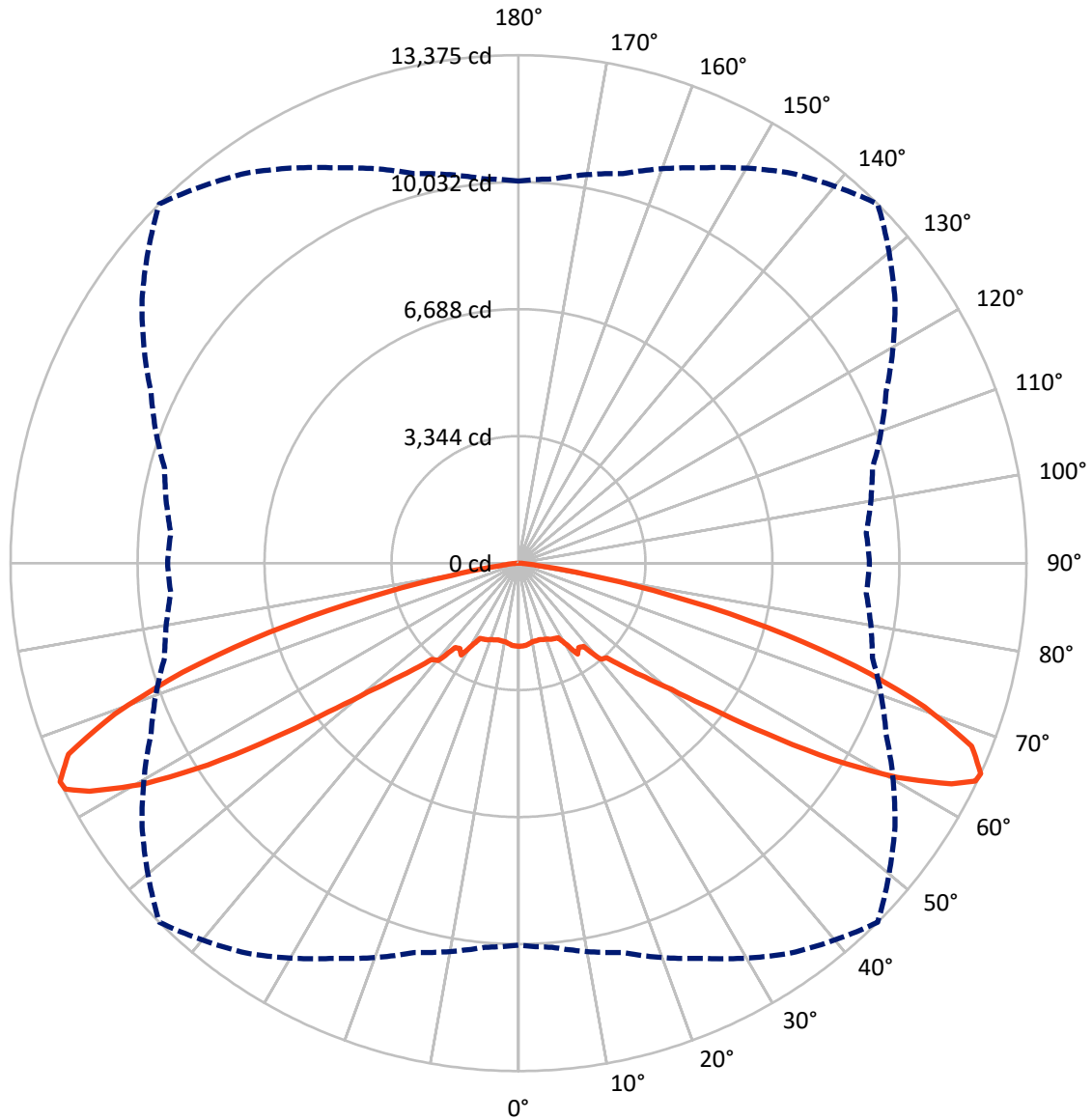
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type V - Short - N/A

REPORT NUMBER: P479615
CATALOG NUMBER: IFLD-S-SA6B-727-U-5WQ

Luminous Intensity Polar Plot



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

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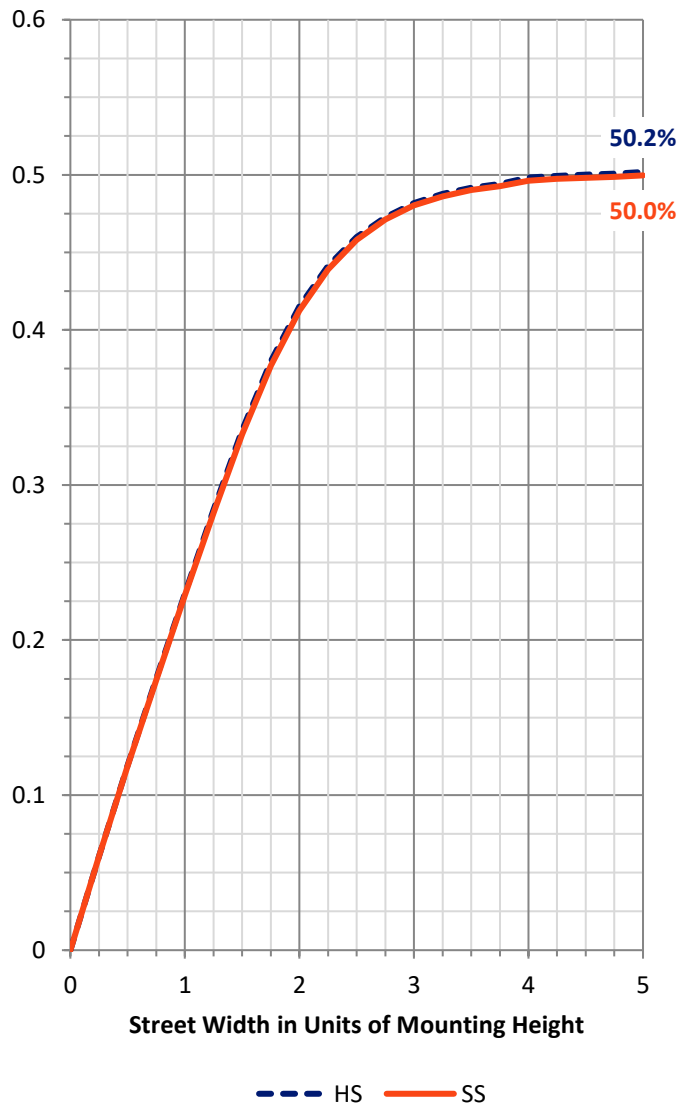
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14323.3	0.0	14323.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14323.3	0.0	14323.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	28646.5	0.0	28646.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.5	0.7
10°-20°	603.8	2.1
20°-30°	1045.1	3.6
30°-40°	1737.7	6.1
40°-50°	3135.1	10.9
50°-60°	6984.0	24.4
60°-70°	10408.4	36.3
70°-80°	4313.4	15.1
80°-90°	213.6	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°	28646.5	100.0
0°-180°	28646.5	100.0

Coefficient of Utilization



REPORT NUMBER: P479615

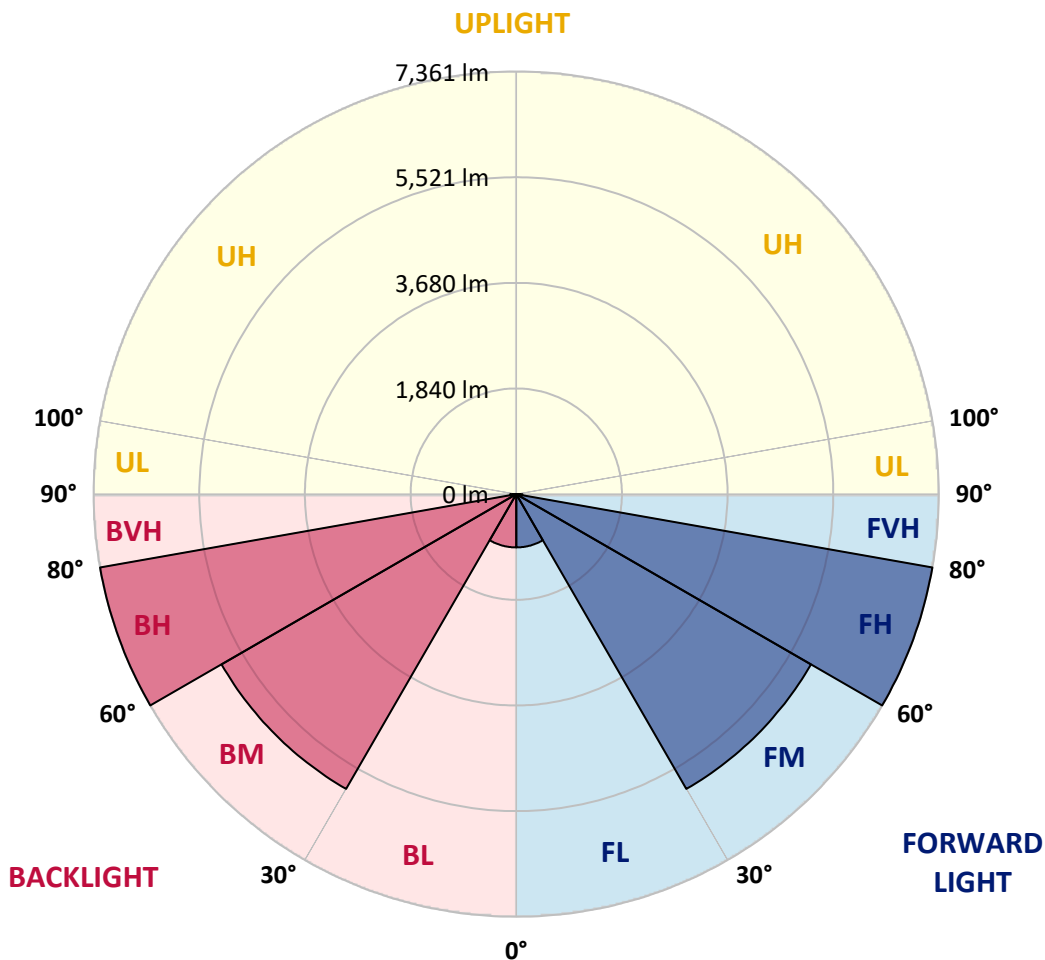
CATALOG NUMBER: IFLD-S-SA6B-727-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	927.2	3.2			
FM (30°-60°)	5928.4	20.7			
FH (60°-80°)	7360.9	25.7			G3/7500
FVH (80°-90°)	106.8	0.4			G2/225
BL (0°-30°)	927.2	3.2	B2/1000		
BM (30°-60°)	5928.4	20.7	B4/8500		
BH (60°-80°)	7360.9	25.7	B5		G3/7500
BVH (80°-90°)	106.8	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2190.2	2190.2	2190.2	2190.2	2190.2	2190.2	2190.2	2190.2	2190.2	2190.2	2190.2
2.5°	2164.9	2171.2	2168.0	2168.0	2177.5	2183.9	2187.0	2218.7	2206.0	2215.5	2206.0
5°	2171.2	2171.2	2177.5	2171.2	2177.5	2171.2	2177.5	2168.0	2177.5	2183.9	2193.4
7.5°	2158.6	2152.2	2142.7	2142.7	2139.6	2133.2	2123.7	2149.1	2136.4	2145.9	2161.7
10°	2161.7	2152.2	2120.6	2126.9	2098.4	2098.4	2104.7	2104.7	2133.2	2164.9	2174.4
12.5°	2161.7	2142.7	2133.2	2092.1	2092.1	2095.3	2111.1	2117.4	2136.4	2149.1	2180.7
15°	2161.7	2152.2	2136.4	2082.6	2095.3	2088.9	2104.7	2104.7	2145.9	2168.0	2183.9
17.5°	2174.4	2180.7	2152.2	2101.6	2104.7	2117.4	2107.9	2117.4	2168.0	2183.9	2206.0
20°	2177.5	2152.2	2142.7	2111.1	2139.6	2133.2	2130.1	2149.1	2164.9	2193.4	2218.7
22.5°	2171.2	2180.7	2142.7	2139.6	2164.9	2177.5	2183.9	2161.7	2180.7	2199.7	2221.9
25°	2225.0	2190.2	2180.7	2174.4	2187.0	2199.7	2193.4	2212.4	2212.4	2234.5	2263.0
27.5°	2370.6	2373.8	2354.8	2278.8	2253.5	2225.0	2237.7	2288.3	2348.5	2395.9	2405.4
30°	2437.1	2449.7	2500.4	2487.7	2478.2	2487.7	2484.6	2497.2	2503.5	2506.7	2497.2
32.5°	2497.2	2490.9	2468.7	2525.7	2712.4	2854.9	2718.8	2532.0	2490.9	2478.2	2490.9
35°	2715.6	2715.6	2668.1	2595.3	2693.4	2728.3	2665.0	2576.3	2627.0	2731.4	2737.8
37.5°	2997.3	2956.1	2975.1	2965.6	2858.0	2782.1	2892.8	2949.8	2959.3	2956.1	2987.8
40°	3165.0	3136.5	3108.1	3158.7	3256.8	3326.5	3228.3	3092.2	3127.1	3196.7	3168.2
42.5°	3548.0	3475.2	3481.5	3430.9	3427.7	3405.6	3383.4	3392.9	3443.6	3522.7	3535.3
45°	3940.5	3975.3	3953.1	3858.2	3902.5	3902.5	3839.2	3886.7	3912.0	4003.8	4016.4
47.5°	4554.5	4538.7	4548.2	4462.7	4459.5	4481.7	4459.5	4462.7	4541.8	4535.5	4500.7
50°	5272.9	5317.3	5329.9	5288.8	5238.1	5228.6	5193.8	5238.1	5285.6	5288.8	5260.3
52.5°	6266.8	6314.2	6314.2	6326.9	6390.2	6358.6	6352.2	6355.4	6263.6	6200.3	6232.0
55°	7520.1	7535.9	7589.8	7700.5	7893.6	7918.9	7798.6	7744.8	7577.1	7475.8	7554.9
57.5°	8757.7	8821.0	8969.7	9257.7	9495.1	9754.6	9406.5	9052.0	8722.8	8561.4	8589.9
60°	9786.3	9878.1	10162.9	10564.9	11223.2	11460.6	10871.9	10264.2	9596.4	9102.6	9302.0
62.5°	10270.5	10413.0	10653.5	11466.9	12454.4	12796.2	11932.2	10827.6	9814.8	9340.0	9330.5
64°	10273.7	10295.9	10776.9	11653.7	12669.6	13331.1	12188.5	10827.6	9868.6	9283.0	9390.7
65°	10061.6	10153.4	10618.7	11482.7	12533.5	13375.4	12099.9	10678.8	9647.0	9191.3	9241.9
67.5°	9099.5	9096.3	9526.8	10384.5	11843.6	12872.2	11346.7	9846.4	9099.5	8605.7	8665.9
70°	6902.9	7013.7	7425.2	8479.1	10248.4	11349.8	9922.4	8368.4	7437.8	7042.2	7020.0
72.5°	4130.4	4276.0	4801.4	6086.4	7960.1	9298.9	7874.6	6190.8	5070.4	4443.7	4459.5
75°	1883.2	1990.8	2351.6	3399.2	5304.6	6798.5	5336.2	3579.7	2566.8	2168.0	2111.1
77.5°	528.6	595.0	794.4	1560.4	2911.8	4076.6	2994.1	1724.9	1120.4	930.5	911.5
80°	237.4	250.0	281.7	379.8	924.2	1797.7	1237.5	633.0	420.9	348.2	332.3
82.5°	129.8	139.3	183.6	196.2	262.7	477.9	408.3	297.5	253.2	202.6	196.2
85°	72.8	76.0	104.4	104.4	126.6	139.3	148.8	158.3	155.1	113.9	110.8
87.5°	22.2	25.3	31.7	31.7	31.7	31.7	50.6	69.6	76.0	53.8	53.8
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)