

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: P479594

Luminaire Tested: **IFLD-S-SA2A-727-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479594
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-727-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (32) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

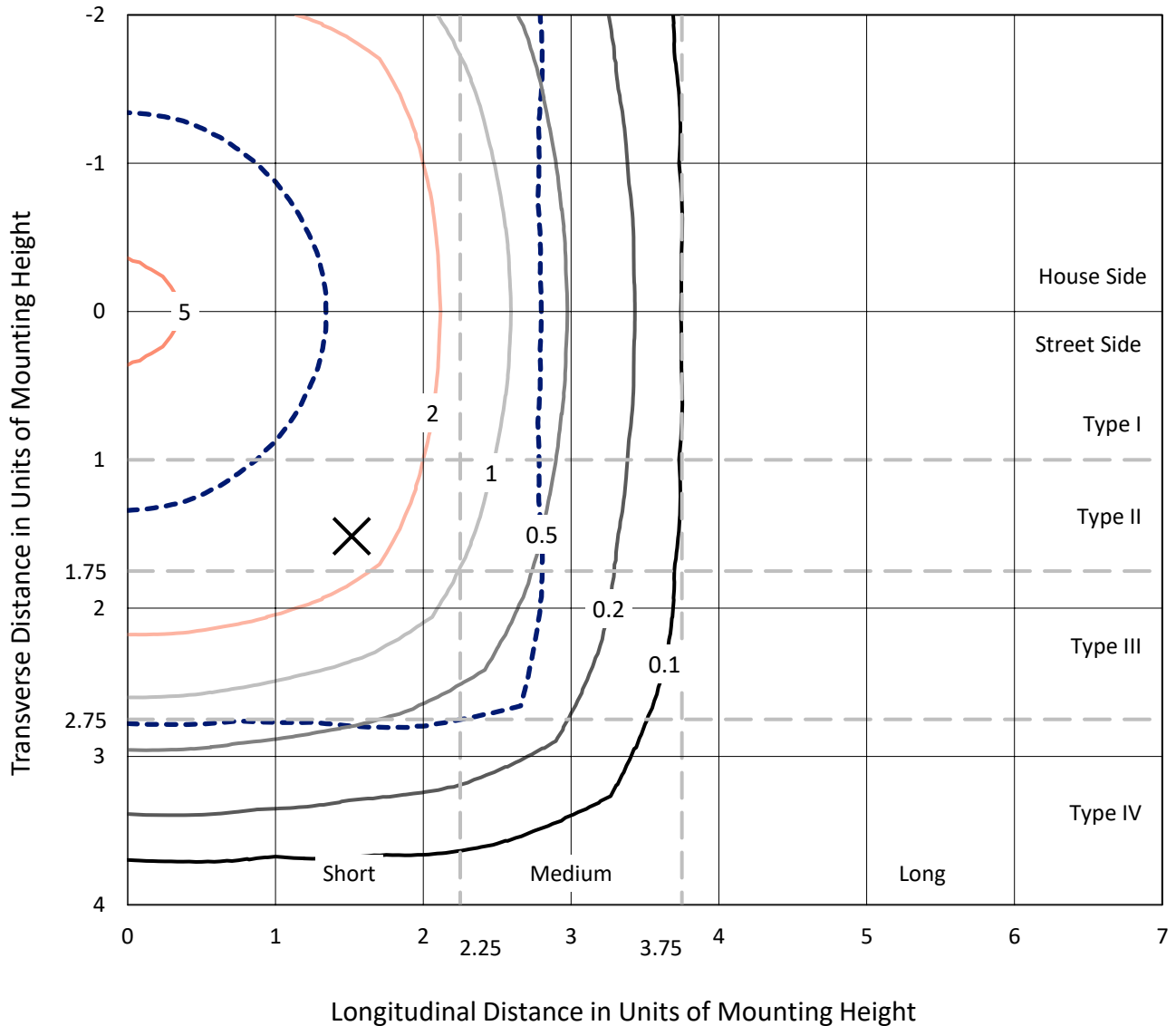
Lumens per Lamp: N/A
Luminaire Lumens: 7923.1 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 63.8
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

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Iso-Footcandle Lines of Horizontal Illumination

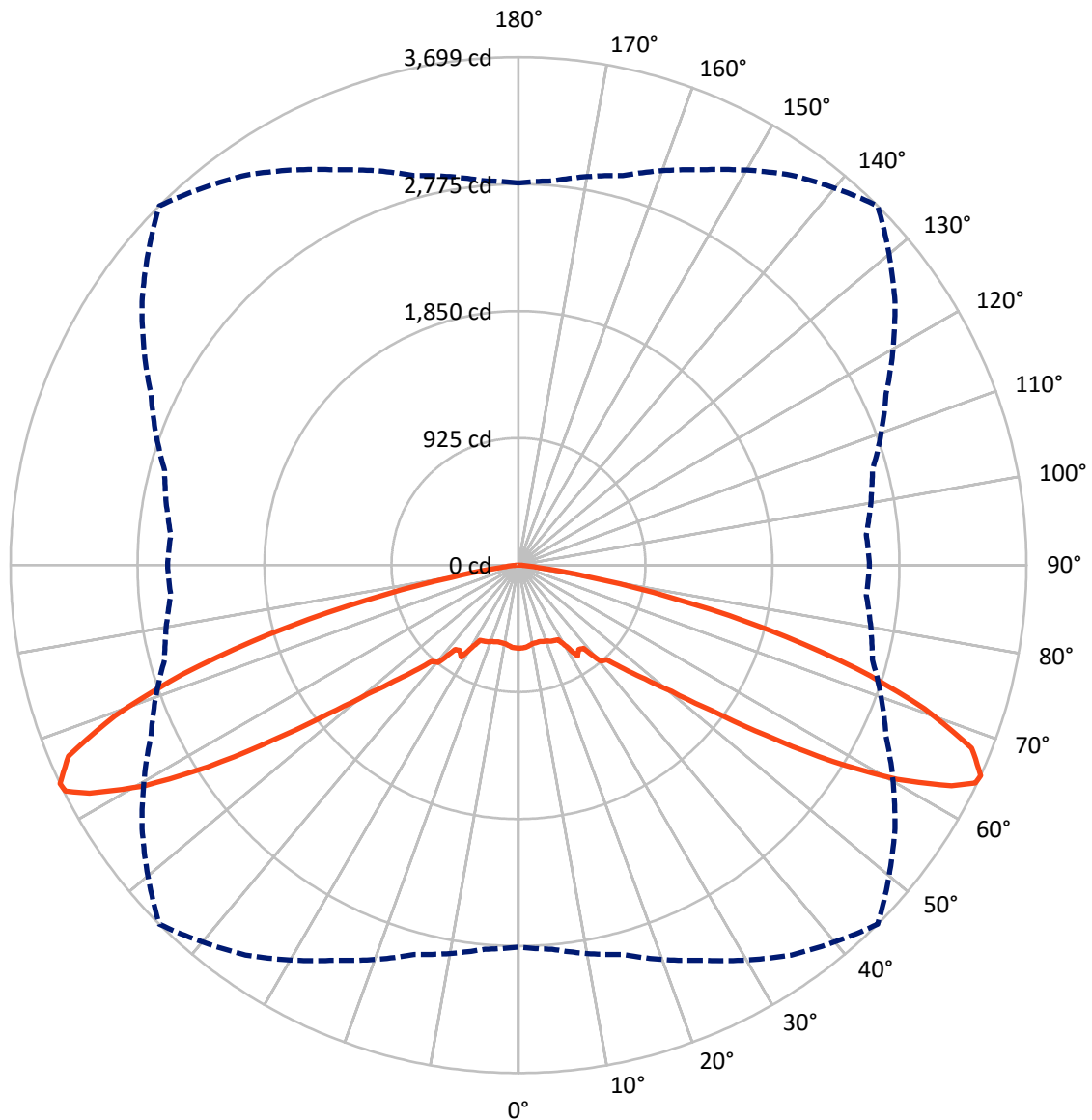
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Short - N/A

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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	3961.6	0.0	3961.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3961.6	0.0	3961.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	7923.1	0.0	7923.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.8	0.7
10°-20°	167.0	2.1
20°-30°	289.0	3.6
30°-40°	480.6	6.1
40°-50°	867.1	10.9
50°-60°	1931.6	24.4
60°-70°	2878.8	36.3
70°-80°	1193.0	15.1
80°-90°	59.1	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°	7923.1	100.0
0°-180°	7923.1	100.0

Coefficient of Utilization



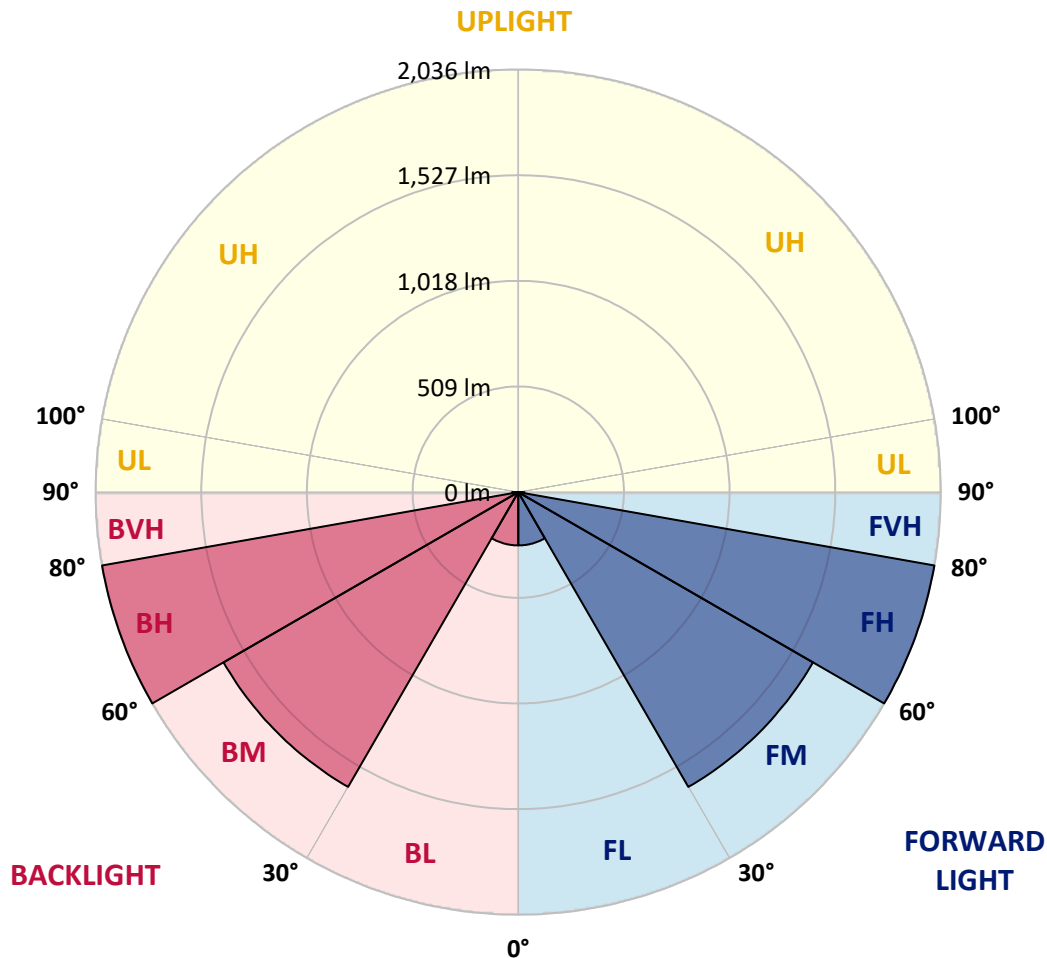
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	256.4	3.2			
FM (30°-60°)	1639.7	20.7			
FH (60°-80°)	2035.9	25.7			G2/5000
FVH (80°-90°)	29.5	0.4			G1/100
BL (0°-30°)	256.4	3.2	B1/500		
BM (30°-60°)	1639.7	20.7	B2/2500		
BH (60°-80°)	2035.9	25.7	B3/2500		G2/5000
BVH (80°-90°)	29.5	0.4			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	605.8	605.8	605.8	605.8	605.8	605.8	605.8	605.8	605.8	605.8	605.8
2.5°	598.8	600.5	599.6	599.6	602.3	604.0	604.9	613.6	610.1	612.8	610.1
5°	600.5	600.5	602.3	600.5	602.3	600.5	602.3	599.6	602.3	604.0	606.6
7.5°	597.0	595.3	592.6	592.6	591.8	590.0	587.4	594.4	590.9	593.5	597.9
10°	597.9	595.3	586.5	588.3	580.4	580.4	582.1	582.1	590.0	598.8	601.4
12.5°	597.9	592.6	590.0	578.6	578.6	579.5	583.9	585.6	590.9	594.4	603.1
15°	597.9	595.3	590.9	576.0	579.5	577.8	582.1	582.1	593.5	599.6	604.0
17.5°	601.4	603.1	595.3	581.3	582.1	585.6	583.0	585.6	599.6	604.0	610.1
20°	602.3	595.3	592.6	583.9	591.8	590.0	589.1	594.4	598.8	606.6	613.6
22.5°	600.5	603.1	592.6	591.8	598.8	602.3	604.0	597.9	603.1	608.4	614.5
25°	615.4	605.8	603.1	601.4	604.9	608.4	606.6	611.9	611.9	618.0	625.9
27.5°	655.7	656.5	651.3	630.3	623.3	615.4	618.9	632.9	649.5	662.7	665.3
30°	674.1	677.6	691.6	688.1	685.4	688.1	687.2	690.7	692.4	693.3	690.7
32.5°	690.7	688.9	682.8	698.6	750.2	789.6	752.0	700.3	688.9	685.4	688.9
35°	751.1	751.1	738.0	717.8	745.0	754.6	737.1	712.6	726.6	755.5	757.2
37.5°	829.0	817.6	822.9	820.2	790.5	769.5	800.1	815.9	818.5	817.6	826.4
40°	875.4	867.5	859.6	873.6	900.8	920.0	892.9	855.3	864.9	884.1	876.3
42.5°	981.3	961.2	962.9	948.9	948.0	941.9	935.8	938.4	952.4	974.3	977.8
45°	1089.9	1099.5	1093.4	1067.1	1079.4	1079.4	1061.9	1075.0	1082.0	1107.4	1110.9
47.5°	1259.7	1255.3	1257.9	1234.3	1233.4	1239.6	1233.4	1234.3	1256.2	1254.4	1244.8
50°	1458.4	1470.7	1474.2	1462.8	1448.8	1446.1	1436.5	1448.8	1461.9	1462.8	1454.9
52.5°	1733.3	1746.4	1746.4	1749.9	1767.4	1758.7	1756.9	1757.8	1732.4	1714.9	1723.6
55°	2079.9	2084.3	2099.2	2129.8	2183.2	2190.2	2157.0	2142.1	2095.7	2067.7	2089.6
57.5°	2422.2	2439.7	2480.9	2560.5	2626.2	2698.0	2601.7	2503.6	2412.6	2367.9	2375.8
60°	2706.7	2732.1	2810.9	2922.1	3104.1	3169.8	3007.0	2838.9	2654.2	2517.6	2572.8
62.5°	2840.6	2880.0	2946.6	3171.5	3444.7	3539.2	3300.2	2994.7	2714.6	2583.3	2580.7
64°	2841.5	2847.6	2980.7	3223.2	3504.2	3687.2	3371.1	2994.7	2729.5	2567.5	2597.3
65°	2782.9	2808.3	2936.9	3175.9	3466.6	3699.4	3346.6	2953.6	2668.2	2542.1	2556.1
67.5°	2516.8	2515.9	2634.9	2872.2	3275.7	3560.2	3138.3	2723.3	2516.8	2380.2	2396.8
70°	1909.2	1939.9	2053.7	2345.2	2834.5	3139.2	2744.4	2314.5	2057.2	1947.7	1941.6
72.5°	1142.4	1182.7	1328.0	1683.4	2201.6	2571.9	2178.0	1712.3	1402.4	1229.1	1233.4
75°	520.9	550.6	650.4	940.2	1467.2	1880.3	1475.9	990.1	709.9	599.6	583.9
77.5°	146.2	164.6	219.7	431.6	805.4	1127.5	828.1	477.1	309.9	257.4	252.1
80°	65.7	69.2	77.9	105.0	255.6	497.2	342.3	175.1	116.4	96.3	91.9
82.5°	35.9	38.5	50.8	54.3	72.7	132.2	112.9	82.3	70.0	56.0	54.3
85°	20.1	21.0	28.9	28.9	35.0	38.5	41.1	43.8	42.9	31.5	30.6
87.5°	6.1	7.0	8.8	8.8	8.8	8.8	14.0	19.3	21.0	14.9	14.9
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)