

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: P479867

Luminaire Tested: **IFLD-S-SA2A-830-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479867
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-830-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (32) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

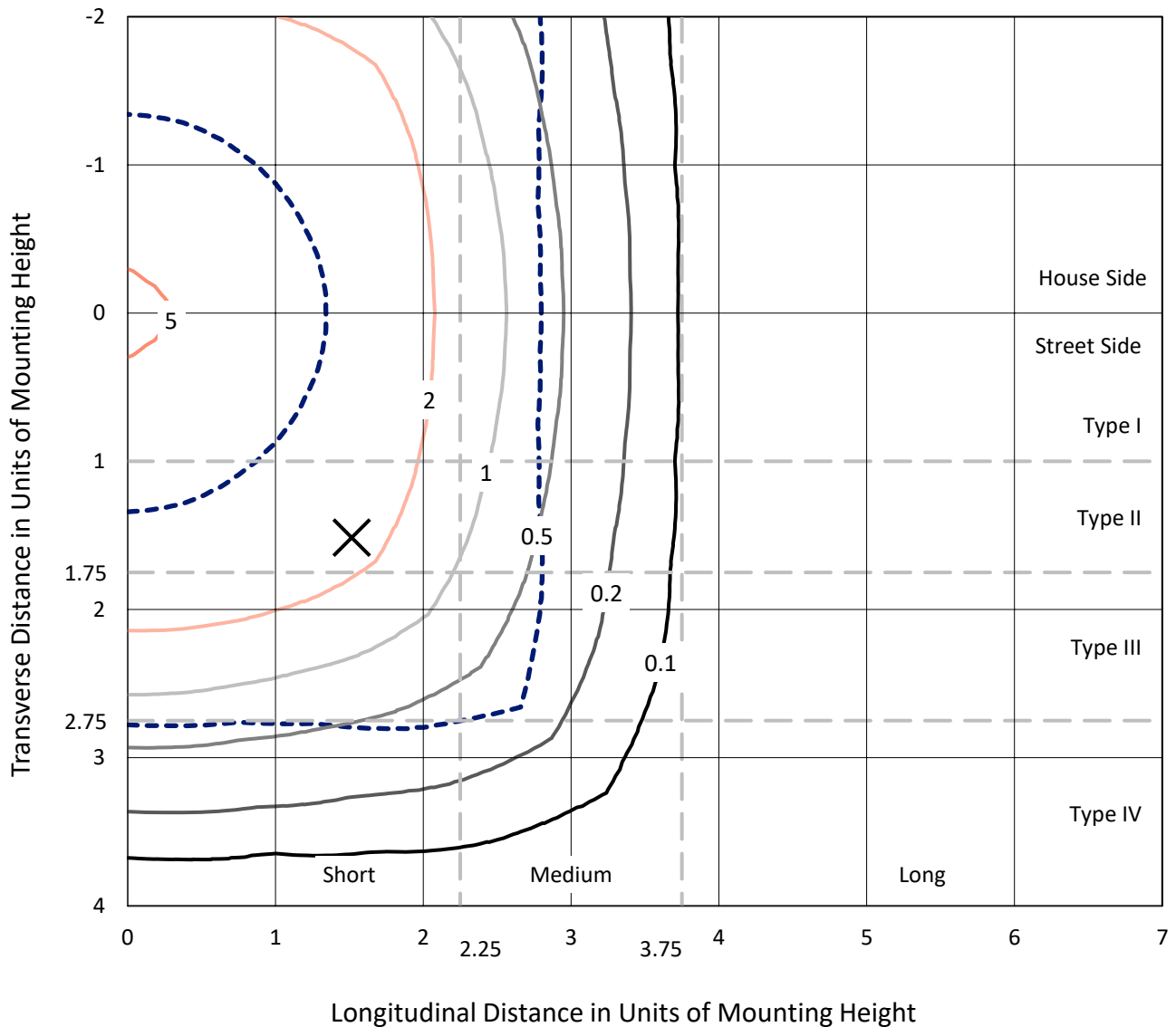
Lumens per Lamp: N/A
Luminaire Lumens: 7528 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

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

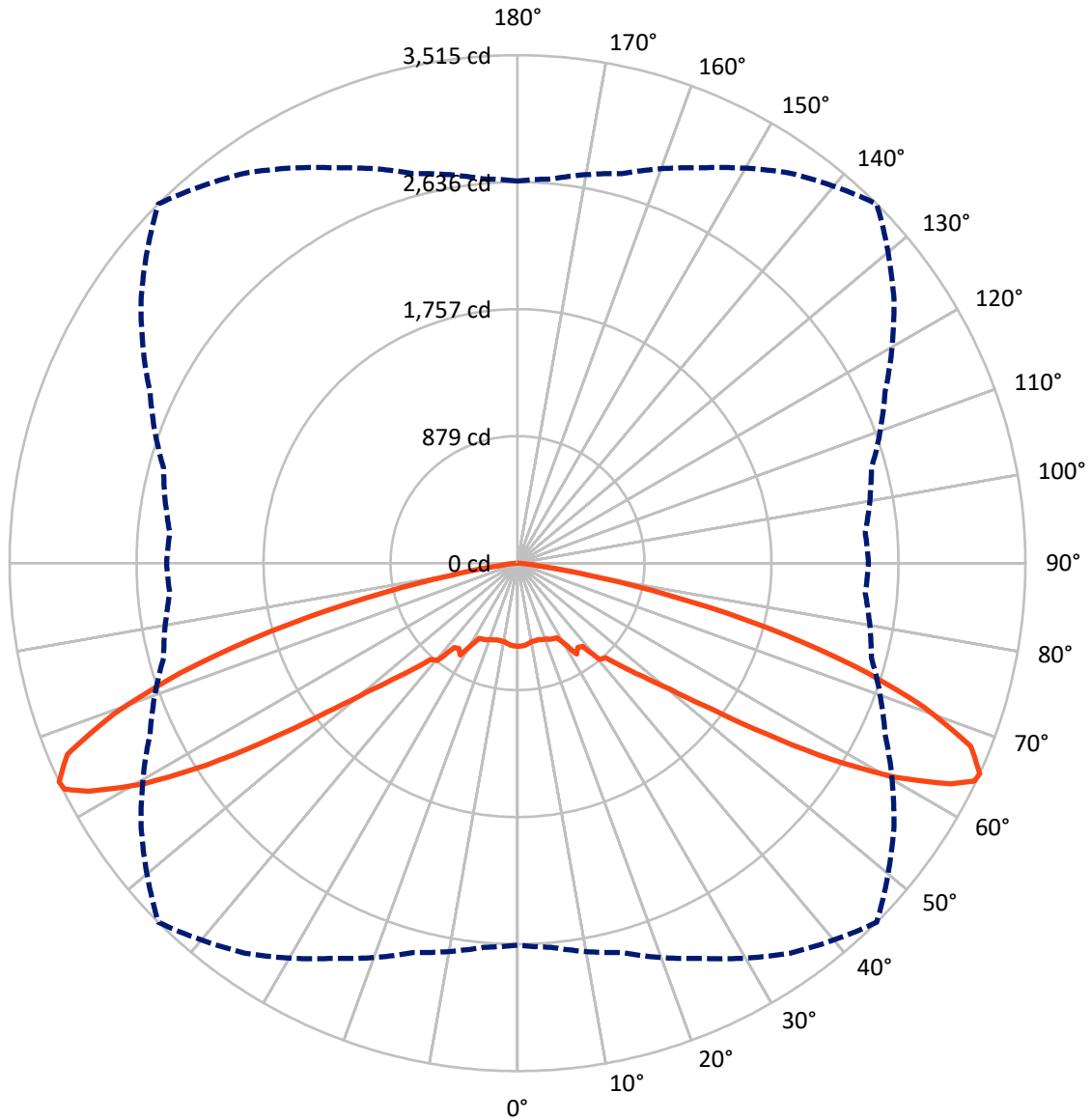
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.8 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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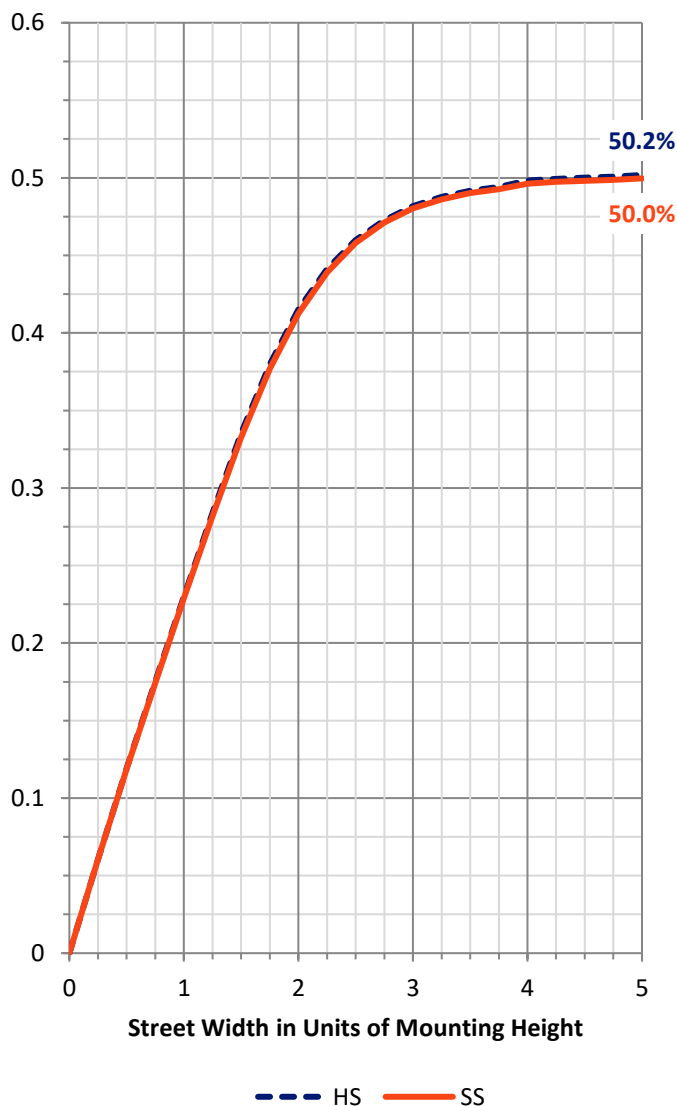
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3764.0	0.0	3764.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3764.0	0.0	3764.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7528.0	0.0	7528.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.0	0.7
10°-20°	158.7	2.1
20°-30°	274.6	3.6
30°-40°	456.7	6.1
40°-50°	823.9	10.9
50°-60°	1835.3	24.4
60°-70°	2735.2	36.3
70°-80°	1133.5	15.1
80°-90°	56.1	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°	7528.0	100.0
0°-180°	7528.0	100.0

Coefficient of Utilization



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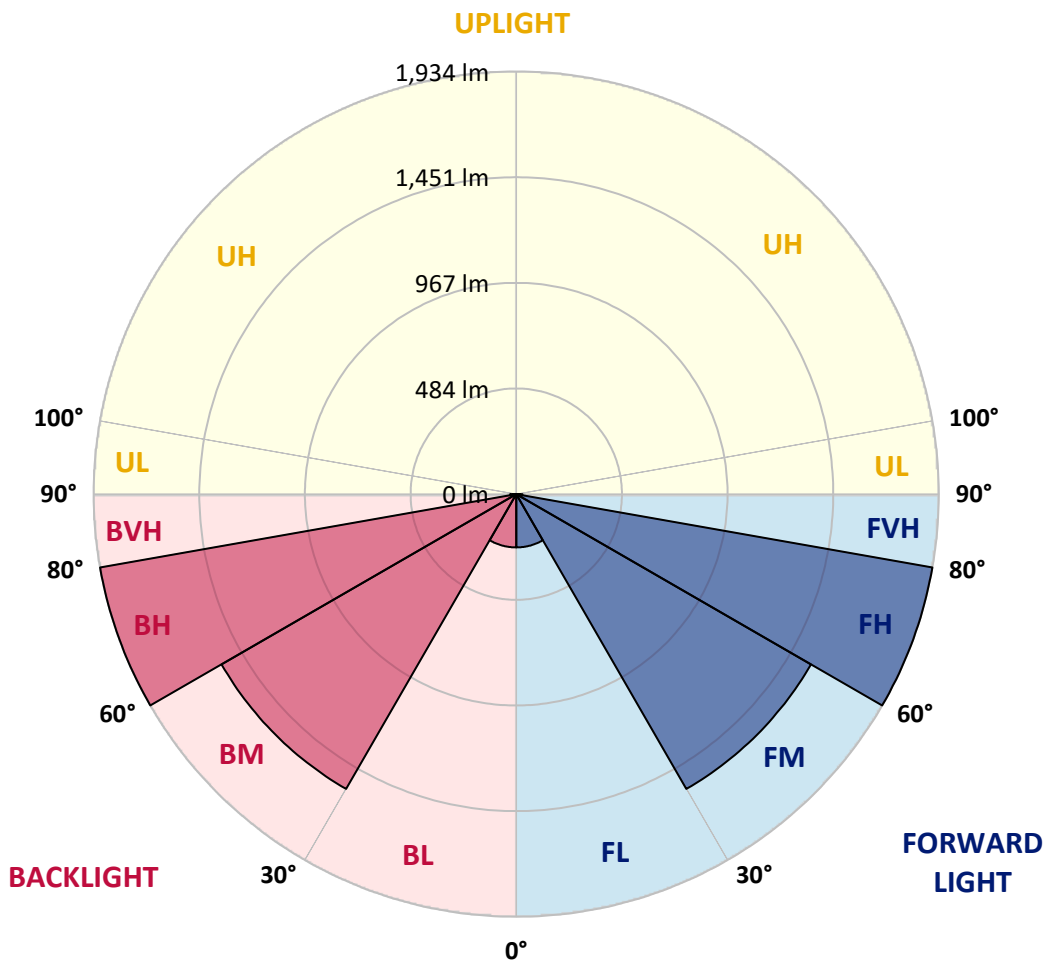
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	243.7	3.2			
FM (30°-60°)	1557.9	20.7			
FH (60°-80°)	1934.4	25.7			G2/5000
FVH (80°-90°)	28.1	0.4			G1/100
BL (0°-30°)	243.7	3.2	B1/500		
BM (30°-60°)	1557.9	20.7	B2/2500		
BH (60°-80°)	1934.4	25.7	B3/2500		G2/5000
BVH (80°-90°)	28.1	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	575.6	575.6	575.6	575.6	575.6	575.6	575.6	575.6	575.6	575.6	575.6
2.5°	568.9	570.6	569.7	569.7	572.2	573.9	574.7	583.1	579.7	582.2	579.7
5°	570.6	570.6	572.2	570.6	572.2	570.6	572.2	569.7	572.2	573.9	576.4
7.5°	567.2	565.6	563.1	563.1	562.3	560.6	558.1	564.8	561.4	563.9	568.1
10°	568.1	565.6	557.3	558.9	551.4	551.4	553.1	553.1	560.6	568.9	571.4
12.5°	568.1	563.1	560.6	549.8	549.8	550.6	554.8	556.4	561.4	564.8	573.1
15°	568.1	565.6	561.4	547.3	550.6	549.0	553.1	553.1	563.9	569.7	573.9
17.5°	571.4	573.1	565.6	552.3	553.1	556.4	553.9	556.4	569.7	573.9	579.7
20°	572.2	565.6	563.1	554.8	562.3	560.6	559.8	564.8	568.9	576.4	583.1
22.5°	570.6	573.1	563.1	562.3	568.9	572.2	573.9	568.1	573.1	578.1	583.9
25°	584.7	575.6	573.1	571.4	574.7	578.1	576.4	581.4	581.4	587.2	594.7
27.5°	623.0	623.8	618.8	598.9	592.2	584.7	588.0	601.3	617.2	629.6	632.1
30°	640.4	643.8	657.1	653.7	651.3	653.7	652.9	656.2	657.9	658.7	656.2
32.5°	656.2	654.6	648.8	663.7	712.8	750.2	714.5	665.4	654.6	651.3	654.6
35°	713.6	713.6	701.2	682.0	707.8	717.0	700.3	677.0	690.3	717.8	719.5
37.5°	787.7	776.8	781.8	779.3	751.1	731.1	760.2	775.2	777.7	776.8	785.2
40°	831.7	824.3	816.8	830.1	855.9	874.2	848.4	812.6	821.8	840.1	832.6
42.5°	932.4	913.3	914.9	901.6	900.8	895.0	889.1	891.6	904.9	925.7	929.1
45°	1035.5	1044.7	1038.8	1013.9	1025.5	1025.5	1008.9	1021.4	1028.0	1052.2	1055.5
47.5°	1196.9	1192.7	1195.2	1172.8	1171.9	1177.7	1171.9	1172.8	1193.6	1191.9	1182.7
50°	1385.7	1397.3	1400.7	1389.8	1376.5	1374.0	1364.9	1376.5	1389.0	1389.8	1382.4
52.5°	1646.9	1659.3	1659.3	1662.7	1679.3	1671.0	1669.3	1670.1	1646.0	1629.4	1637.7
55°	1976.2	1980.4	1994.5	2023.6	2074.4	2081.0	2049.4	2035.3	1991.2	1964.6	1985.4
57.5°	2301.4	2318.1	2357.2	2432.8	2495.2	2563.4	2471.9	2378.8	2292.3	2249.9	2257.3
60°	2571.7	2595.9	2670.7	2776.4	2949.4	3011.7	2857.0	2697.3	2521.8	2392.1	2444.5
62.5°	2699.0	2736.4	2799.6	3013.4	3272.9	3362.7	3135.7	2845.4	2579.2	2454.5	2452.0
64°	2699.8	2705.7	2832.1	3062.5	3329.5	3503.3	3203.0	2845.4	2593.4	2439.5	2467.8
65°	2644.1	2668.2	2790.5	3017.6	3293.7	3514.9	3179.8	2806.3	2535.2	2415.4	2428.7
67.5°	2391.3	2390.4	2503.5	2728.9	3112.4	3382.7	2981.8	2587.6	2391.3	2261.5	2277.3
70°	1814.0	1843.1	1951.3	2228.2	2693.2	2982.6	2607.5	2199.1	1954.6	1850.6	1844.8
72.5°	1085.4	1123.7	1261.8	1599.4	2091.8	2443.7	2069.4	1626.9	1332.5	1167.8	1171.9
75°	494.9	523.2	618.0	893.3	1394.0	1786.6	1402.3	940.7	674.5	569.7	554.8
77.5°	138.9	156.4	208.8	410.0	765.2	1071.3	786.8	453.3	294.4	244.5	239.5
80°	62.4	65.7	74.0	99.8	242.9	472.4	325.2	166.3	110.6	91.5	87.3
82.5°	34.1	36.6	48.2	51.6	69.0	125.6	107.3	78.2	66.5	53.2	51.6
85°	19.1	20.0	27.4	27.4	33.3	36.6	39.1	41.6	40.8	29.9	29.1
87.5°	5.8	6.7	8.3	8.3	8.3	8.3	13.3	18.3	20.0	14.1	14.1
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)