

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: P479895

Luminaire Tested: **IFLD-M-SA4D-830-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479895
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-830-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (64) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

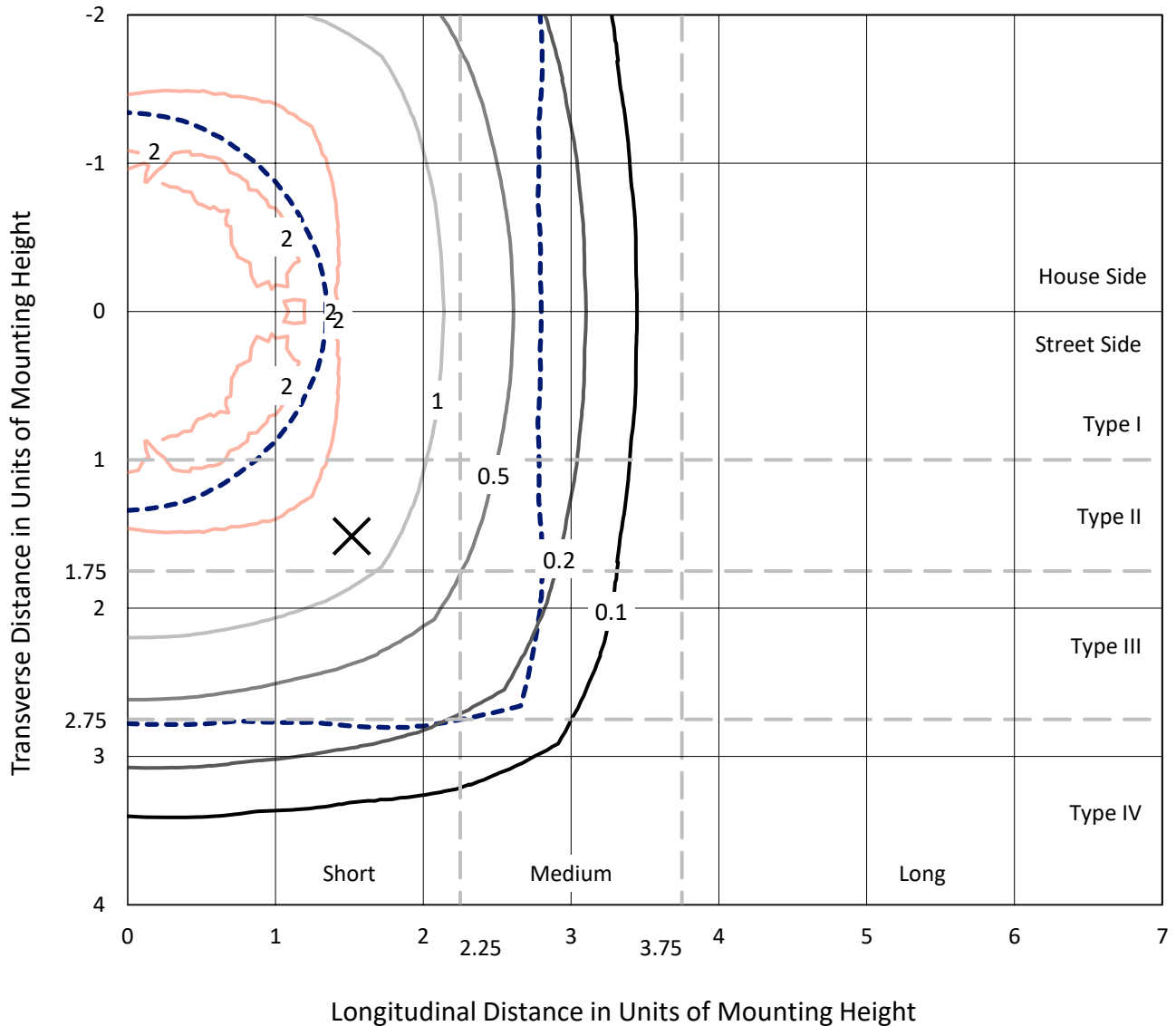
Lumens per Lamp: N/A
Luminaire Lumens: 25509.3 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 249.7
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: P479895
 CATALOG NUMBER: IFLD-M-SA4D-830-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

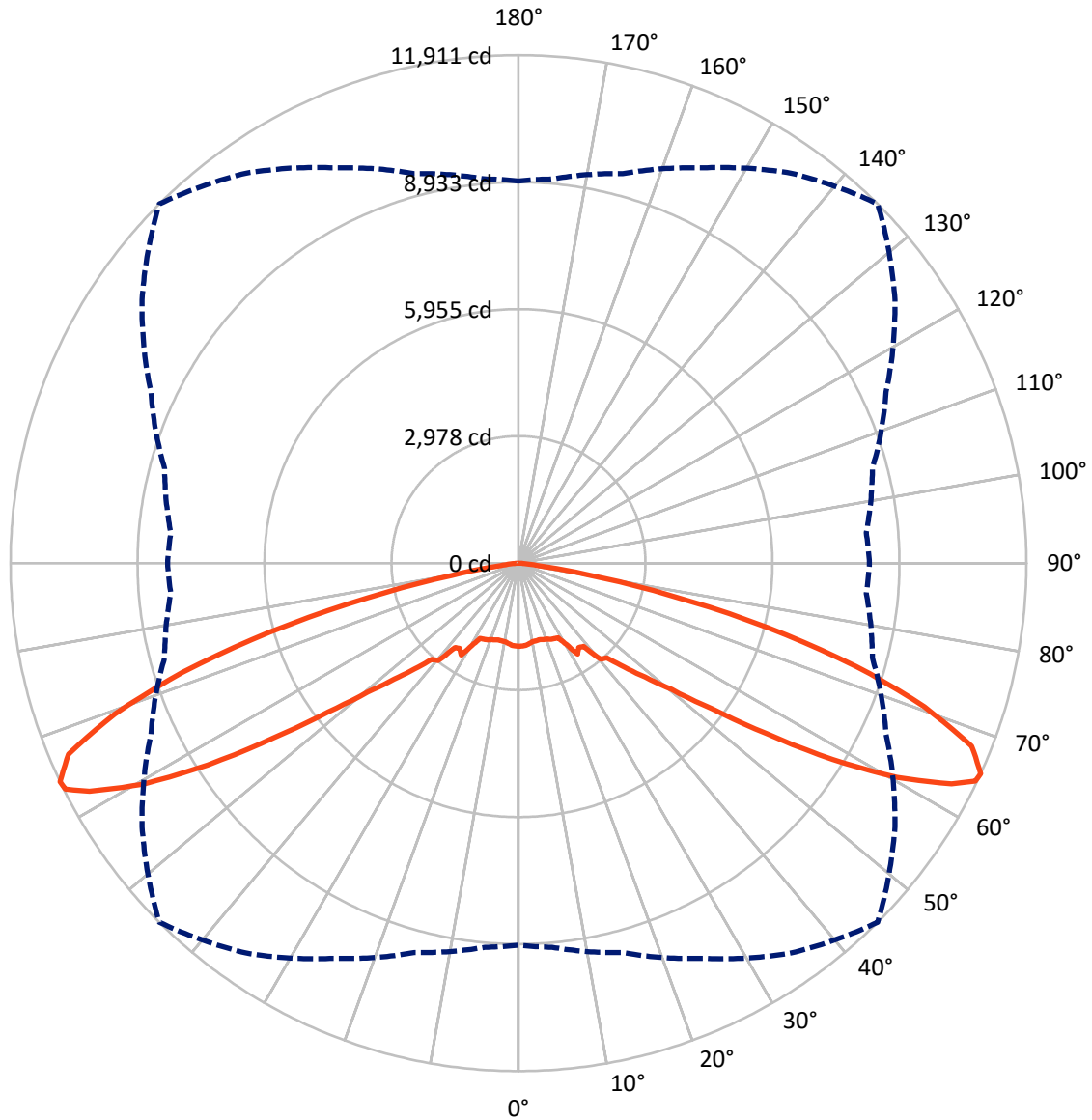
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P479895
CATALOG NUMBER: IFLD-M-SA4D-830-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P479895
 CATALOG NUMBER: IFLD-M-SA4D-830-U-5WQ

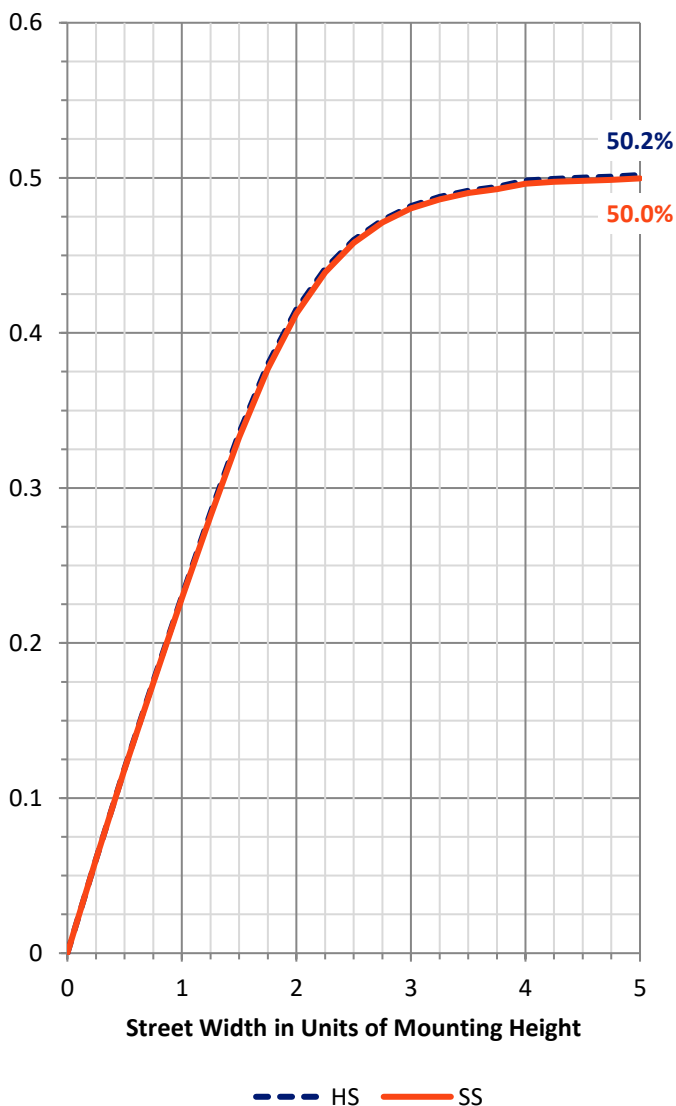
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12754.6	0.0	12754.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12754.6	0.0	12754.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	25509.3	0.0	25509.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.0	0.7
10°-20°	537.6	2.1
20°-30°	930.6	3.6
30°-40°	1547.4	6.1
40°-50°	2791.8	10.9
50°-60°	6219.1	24.4
60°-70°	9268.5	36.3
70°-80°	3841.0	15.1
80°-90°	190.2	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°	25509.3	100.0
0°-180°	25509.3	100.0



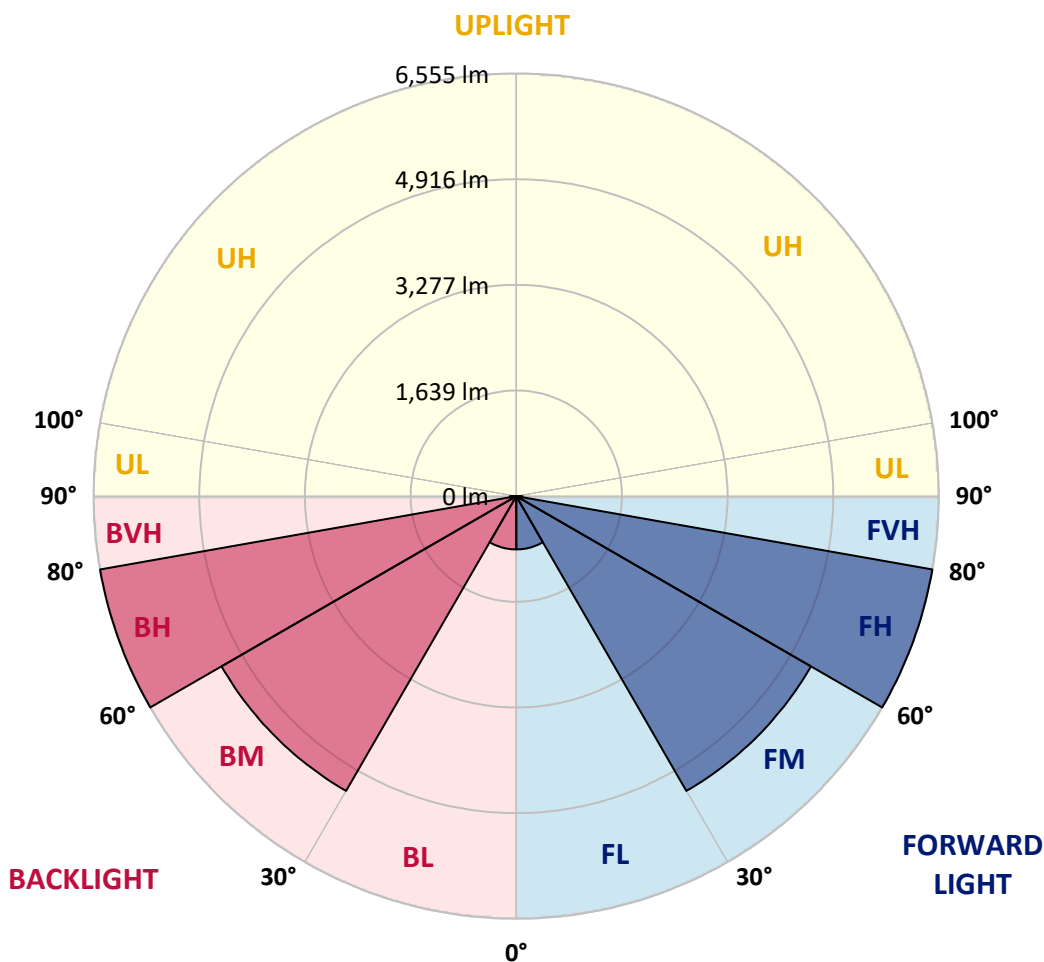
REPORT NUMBER: P479895
 CATALOG NUMBER: IFLD-M-SA4D-830-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	825.6	3.2			
FM (30°-60°)	5279.1	20.7			
FH (60°-80°)	6554.7	25.7			G3/7500
FVH (80°-90°)	95.1	0.4			G1/100
BL (0°-30°)	825.6	3.2	B2/1000		
BM (30°-60°)	5279.1	20.7	B4/8500		
BH (60°-80°)	6554.7	25.7	B5		G3/7500
BVH (80°-90°)	95.1	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: P479895
 CATALOG NUMBER: IFLD-M-SA4D-830-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1950.3	1950.3	1950.3	1950.3	1950.3	1950.3	1950.3	1950.3	1950.3	1950.3	1950.3
2.5°	1927.8	1933.4	1930.6	1930.6	1939.1	1944.7	1947.5	1975.7	1964.4	1972.9	1964.4
5°	1933.4	1933.4	1939.1	1933.4	1939.1	1933.4	1939.1	1930.6	1939.1	1944.7	1953.2
7.5°	1922.2	1916.5	1908.1	1908.1	1905.2	1899.6	1891.2	1913.7	1902.4	1910.9	1925.0
10°	1925.0	1916.5	1888.3	1894.0	1868.6	1868.6	1874.2	1874.2	1899.6	1927.8	1936.2
12.5°	1925.0	1908.1	1899.6	1863.0	1863.0	1865.8	1879.9	1885.5	1902.4	1913.7	1941.9
15°	1925.0	1916.5	1902.4	1854.5	1865.8	1860.2	1874.2	1874.2	1910.9	1930.6	1944.7
17.5°	1936.2	1941.9	1916.5	1871.4	1874.2	1885.5	1877.1	1885.5	1930.6	1944.7	1964.4
20°	1939.1	1916.5	1908.1	1879.9	1905.2	1899.6	1896.8	1913.7	1927.8	1953.2	1975.7
22.5°	1933.4	1941.9	1908.1	1905.2	1927.8	1939.1	1944.7	1925.0	1941.9	1958.8	1978.5
25°	1981.3	1950.3	1941.9	1936.2	1947.5	1958.8	1953.2	1970.1	1970.1	1989.8	2015.2
27.5°	2111.0	2113.8	2096.9	2029.3	2006.7	1981.3	1992.6	2037.7	2091.3	2133.5	2142.0
30°	2170.2	2181.4	2226.5	2215.3	2206.8	2215.3	2212.5	2223.7	2229.4	2232.2	2223.7
32.5°	2223.7	2218.1	2198.4	2249.1	2415.4	2542.2	2421.0	2254.7	2218.1	2206.8	2218.1
35°	2418.2	2418.2	2375.9	2311.1	2398.5	2429.5	2373.1	2294.2	2339.3	2432.3	2437.9
37.5°	2669.0	2632.4	2649.3	2640.9	2545.0	2477.4	2576.0	2626.8	2635.2	2632.4	2660.6
40°	2818.4	2793.0	2767.7	2812.8	2900.1	2962.1	2874.8	2753.6	2784.6	2846.6	2821.2
42.5°	3159.4	3094.6	3100.3	3055.2	3052.3	3032.6	3012.9	3021.3	3066.4	3136.9	3148.2
45°	3508.9	3539.9	3520.2	3435.6	3475.1	3475.1	3418.7	3461.0	3483.6	3565.3	3576.6
47.5°	4055.7	4041.6	4050.1	3974.0	3971.1	3990.9	3971.1	3974.0	4044.4	4038.8	4007.8
50°	4695.5	4734.9	4746.2	4709.6	4664.5	4656.0	4625.0	4664.5	4706.7	4709.6	4684.2
52.5°	5580.5	5622.7	5622.7	5634.0	5690.4	5662.2	5656.5	5659.4	5577.6	5521.3	5549.4
55°	6696.5	6710.6	6758.5	6857.2	7029.1	7051.7	6944.6	6896.6	6747.3	6657.1	6727.5
57.5°	7798.5	7854.9	7987.4	8243.8	8455.2	8686.3	8376.3	8060.7	7767.5	7623.8	7649.2
60°	8714.5	8796.3	9049.9	9407.9	9994.1	10205.5	9681.2	9140.1	8545.4	8105.7	8283.3
62.5°	9145.7	9272.6	9486.8	10211.1	11090.4	11394.8	10625.4	9641.8	8739.9	8317.1	8308.7
64°	9148.6	9168.3	9596.7	10377.4	11282.1	11871.1	10853.7	9641.8	8787.8	8266.4	8362.2
65°	8959.7	9041.5	9455.8	10225.2	11160.9	11910.6	10774.8	9509.3	8590.5	8184.7	8229.8
67.5°	8102.9	8100.1	8483.4	9247.2	10546.5	11462.5	10104.0	8768.1	8102.9	7663.3	7716.8
70°	6147.0	6245.6	6612.0	7550.5	9126.0	10106.8	8835.7	7451.9	6623.3	6271.0	6251.2
72.5°	3678.0	3807.7	4275.5	5419.8	7088.3	8280.5	7012.2	5512.8	4515.1	3957.0	3971.1
75°	1677.0	1772.8	2094.1	3027.0	4723.7	6053.9	4751.8	3187.6	2285.7	1930.6	1879.9
77.5°	470.7	529.9	707.4	1389.5	2592.9	3630.1	2666.2	1536.0	997.7	828.6	811.7
80°	211.4	222.7	250.8	338.2	823.0	1600.9	1102.0	563.7	374.8	310.0	295.9
82.5°	115.6	124.0	163.5	174.7	233.9	425.6	363.6	264.9	225.5	180.4	174.7
85°	64.8	67.6	93.0	93.0	112.7	124.0	132.5	140.9	138.1	101.5	98.6
87.5°	19.7	22.5	28.2	28.2	28.2	28.2	45.1	62.0	67.6	47.9	47.9
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)