

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: P479875

Luminaire Tested: **IFLD-S-SA3D-830-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479875
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-830-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

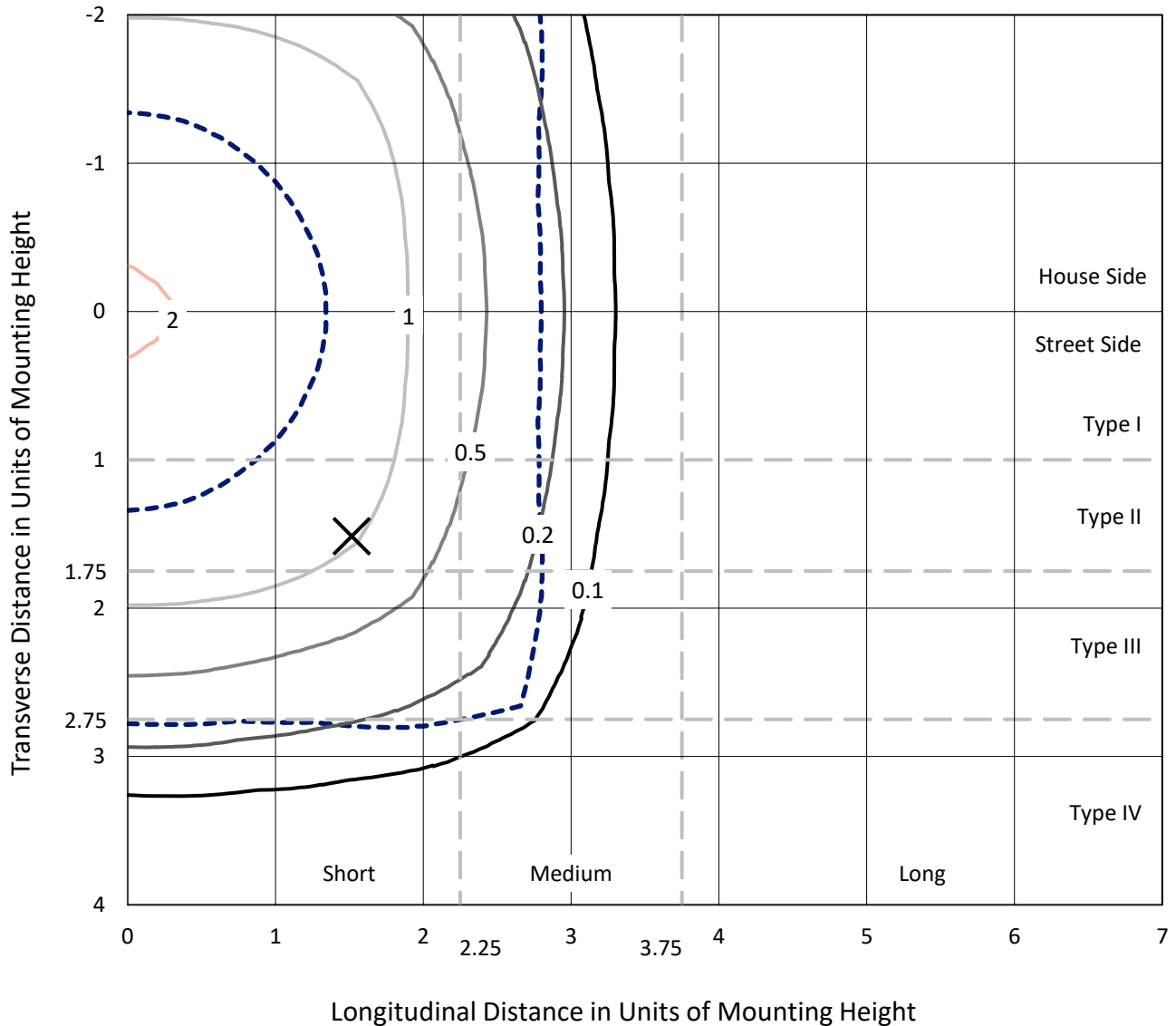
Lumens per Lamp: N/A
Luminaire Lumens: 19004.8 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 184.1
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: P479875
 CATALOG NUMBER: IFLD-S-SA3D-830-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

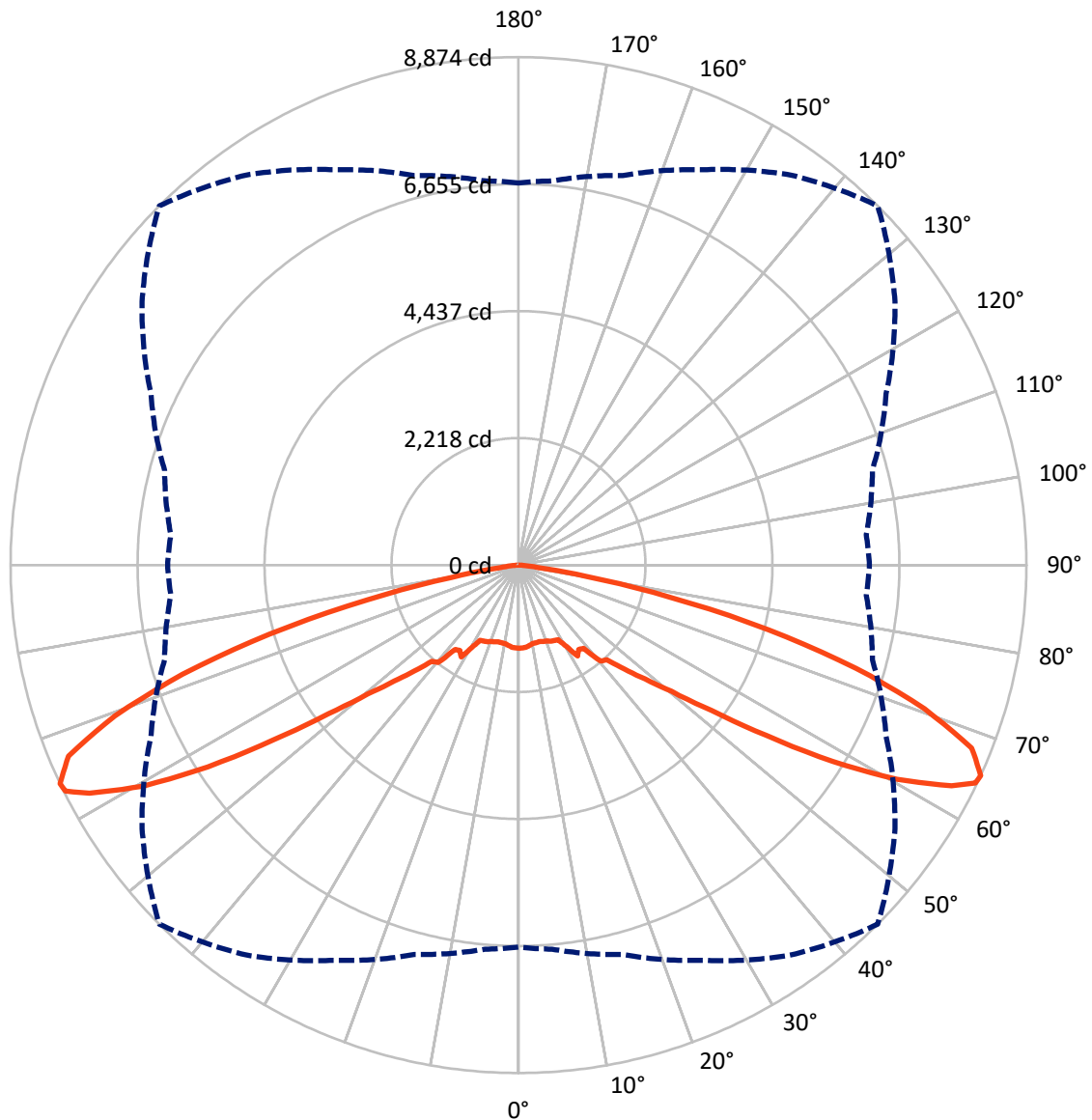
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - N/A

REPORT NUMBER: P479875
CATALOG NUMBER: IFLD-S-SA3D-830-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P479875
 CATALOG NUMBER: IFLD-S-SA3D-830-U-5WQ

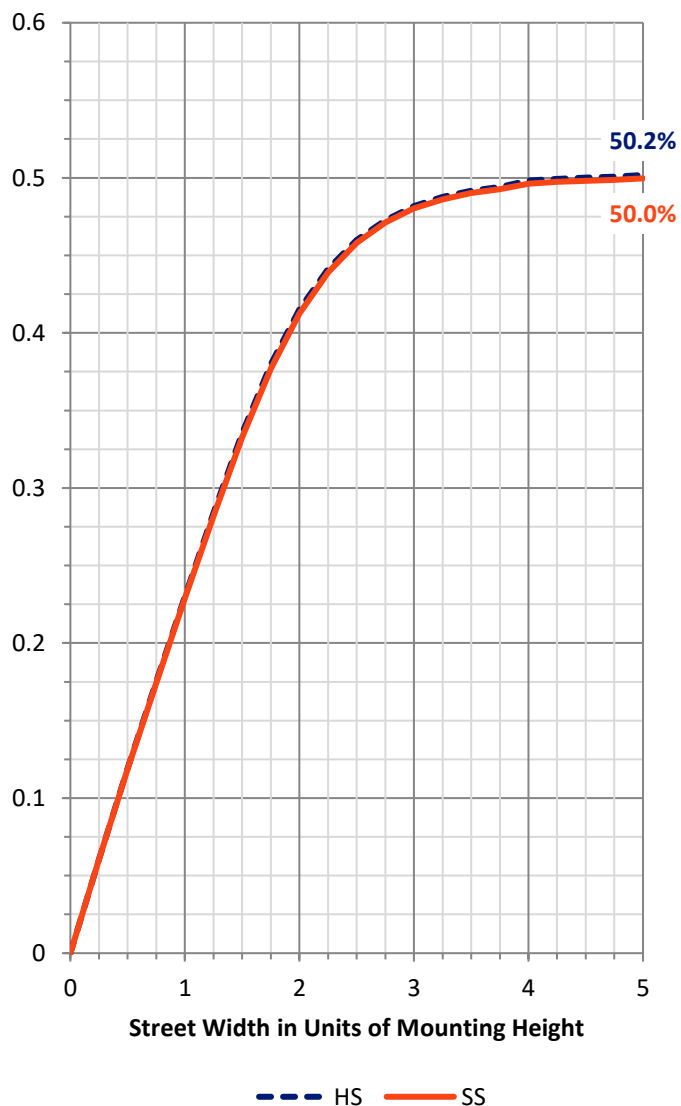
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9502.4	0.0	9502.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9502.4	0.0	9502.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	19004.8	0.0	19004.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.4	0.7
10°-20°	400.5	2.1
20°-30°	693.3	3.6
30°-40°	1152.8	6.1
40°-50°	2079.9	10.9
50°-60°	4633.3	24.4
60°-70°	6905.2	36.3
70°-80°	2861.6	15.1
80°-90°	141.7	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°	19004.8	100.0
0°-180°	19004.8	100.0

Coefficient of Utilization



REPORT NUMBER: P479875

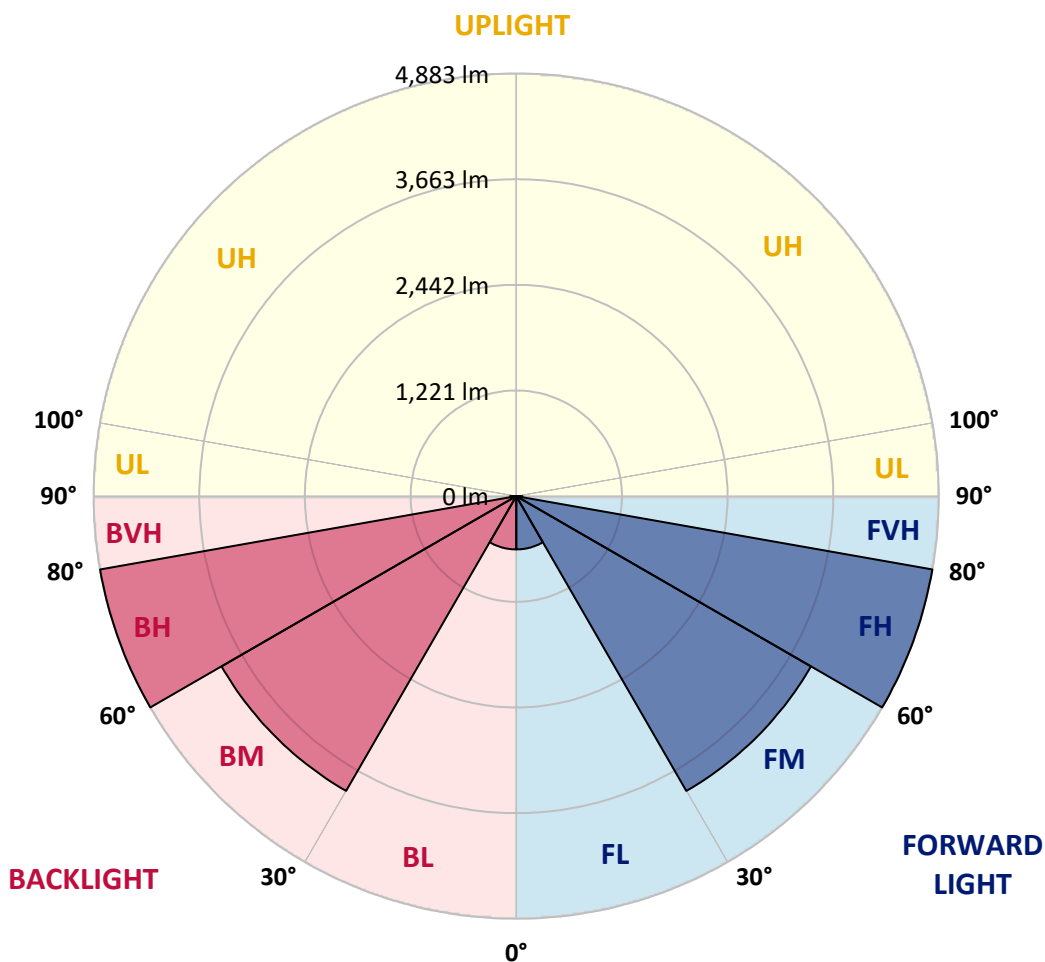
CATALOG NUMBER: IFLD-S-SA3D-830-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	615.1	3.2			
FM (30°-60°)	3933.0	20.7			
FH (60°-80°)	4883.4	25.7			G2/5000
FVH (80°-90°)	70.9	0.4			G1/100
BL (0°-30°)	615.1	3.2	B2/1000		
BM (30°-60°)	3933.0	20.7	B3/5000		
BH (60°-80°)	4883.4	25.7	B4/5000		G2/5000
BVH (80°-90°)	70.9	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





REPORT NUMBER: P479875
 CATALOG NUMBER: IFLD-S-SA3D-830-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1453.0	1453.0	1453.0	1453.0	1453.0	1453.0	1453.0	1453.0	1453.0	1453.0	1453.0
2.5°	1436.2	1440.4	1438.3	1438.3	1444.6	1448.8	1450.9	1471.9	1463.5	1469.8	1463.5
5°	1440.4	1440.4	1444.6	1440.4	1444.6	1440.4	1444.6	1438.3	1444.6	1448.8	1455.1
7.5°	1432.0	1427.8	1421.5	1421.5	1419.4	1415.2	1408.9	1425.7	1417.3	1423.6	1434.1
10°	1434.1	1427.8	1406.8	1411.0	1392.1	1392.1	1396.3	1396.3	1415.2	1436.2	1442.5
12.5°	1434.1	1421.5	1415.2	1387.9	1387.9	1390.0	1400.5	1404.7	1417.3	1425.7	1446.7
15°	1434.1	1427.8	1417.3	1381.6	1390.0	1385.8	1396.3	1396.3	1423.6	1438.3	1448.8
17.5°	1442.5	1446.7	1427.8	1394.2	1396.3	1404.7	1398.4	1404.7	1438.3	1448.8	1463.5
20°	1444.6	1427.8	1421.5	1400.5	1419.4	1415.2	1413.1	1425.7	1436.2	1455.1	1471.9
22.5°	1440.4	1446.7	1421.5	1419.4	1436.2	1444.6	1448.8	1434.1	1446.7	1459.3	1474.0
25°	1476.1	1453.0	1446.7	1442.5	1450.9	1459.3	1455.1	1467.7	1467.7	1482.4	1501.3
27.5°	1572.7	1574.8	1562.2	1511.8	1495.0	1476.1	1484.5	1518.1	1558.0	1589.5	1595.8
30°	1616.8	1625.2	1658.8	1650.4	1644.1	1650.4	1648.3	1656.7	1660.9	1663.0	1656.7
32.5°	1656.7	1652.5	1637.8	1675.6	1799.5	1894.0	1803.7	1679.8	1652.5	1644.1	1652.5
35°	1801.6	1801.6	1770.1	1721.8	1786.9	1810.0	1768.0	1709.2	1742.8	1812.1	1816.3
37.5°	1988.5	1961.2	1973.8	1967.5	1896.1	1845.7	1919.2	1957.0	1963.3	1961.2	1982.2
40°	2099.8	2080.9	2062.0	2095.6	2160.7	2206.8	2141.8	2051.5	2074.6	2120.8	2101.9
42.5°	2353.8	2305.5	2309.7	2276.1	2274.0	2259.3	2244.6	2250.9	2284.5	2337.0	2345.4
45°	2614.2	2637.3	2622.6	2559.6	2589.0	2589.0	2547.0	2578.5	2595.3	2656.2	2664.6
47.5°	3021.6	3011.1	3017.4	2960.7	2958.6	2973.3	2958.6	2960.7	3013.2	3009.0	2985.9
50°	3498.2	3527.6	3536.0	3508.7	3475.1	3468.8	3445.7	3475.1	3506.6	3508.7	3489.8
52.5°	4157.5	4189.0	4189.0	4197.4	4239.4	4218.4	4214.2	4216.3	4155.4	4113.4	4134.4
55°	4989.0	4999.5	5035.2	5108.7	5236.8	5253.6	5173.8	5138.1	5026.8	4959.6	5012.1
57.5°	5810.0	5852.0	5950.7	6141.8	6299.3	6471.5	6240.5	6005.3	5786.9	5679.8	5698.7
60°	6492.5	6553.3	6742.3	7009.0	7445.7	7603.2	7212.7	6809.5	6366.5	6038.9	6171.2
62.5°	6813.7	6908.2	7067.8	7607.4	8262.6	8489.3	7916.1	7183.3	6511.4	6196.4	6190.1
64°	6815.8	6830.5	7149.7	7731.3	8405.3	8844.2	8086.2	7183.3	6547.0	6158.6	6230.0
65°	6675.1	6736.0	7044.7	7617.9	8315.0	8873.6	8027.4	7084.6	6400.1	6097.7	6131.3
67.5°	6036.8	6034.7	6320.3	6889.3	7857.3	8539.7	7527.6	6532.3	6036.8	5709.2	5749.1
70°	4579.6	4653.1	4926.0	5625.3	6799.0	7529.7	6582.7	5551.8	4934.4	4672.0	4657.3
72.5°	2740.2	2836.8	3185.3	4037.8	5280.9	6169.1	5224.2	4107.1	3363.8	2948.1	2958.6
75°	1249.4	1320.7	1560.1	2255.1	3519.2	4510.3	3540.2	2374.8	1702.9	1438.3	1400.5
77.5°	350.7	394.8	527.0	1035.2	1931.8	2704.5	1986.4	1144.4	743.3	617.3	604.7
80°	157.5	165.9	186.9	252.0	613.1	1192.7	821.0	420.0	279.3	231.0	220.5
82.5°	86.1	92.4	121.8	130.2	174.3	317.1	270.9	197.4	168.0	134.4	130.2
85°	48.3	50.4	69.3	69.3	84.0	92.4	98.7	105.0	102.9	75.6	73.5
87.5°	14.7	16.8	21.0	21.0	21.0	21.0	33.6	46.2	50.4	35.7	35.7
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)