

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: P479698

Luminaire Tested: **IFLD-M-SA4B-735-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479698
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-735-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (64) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

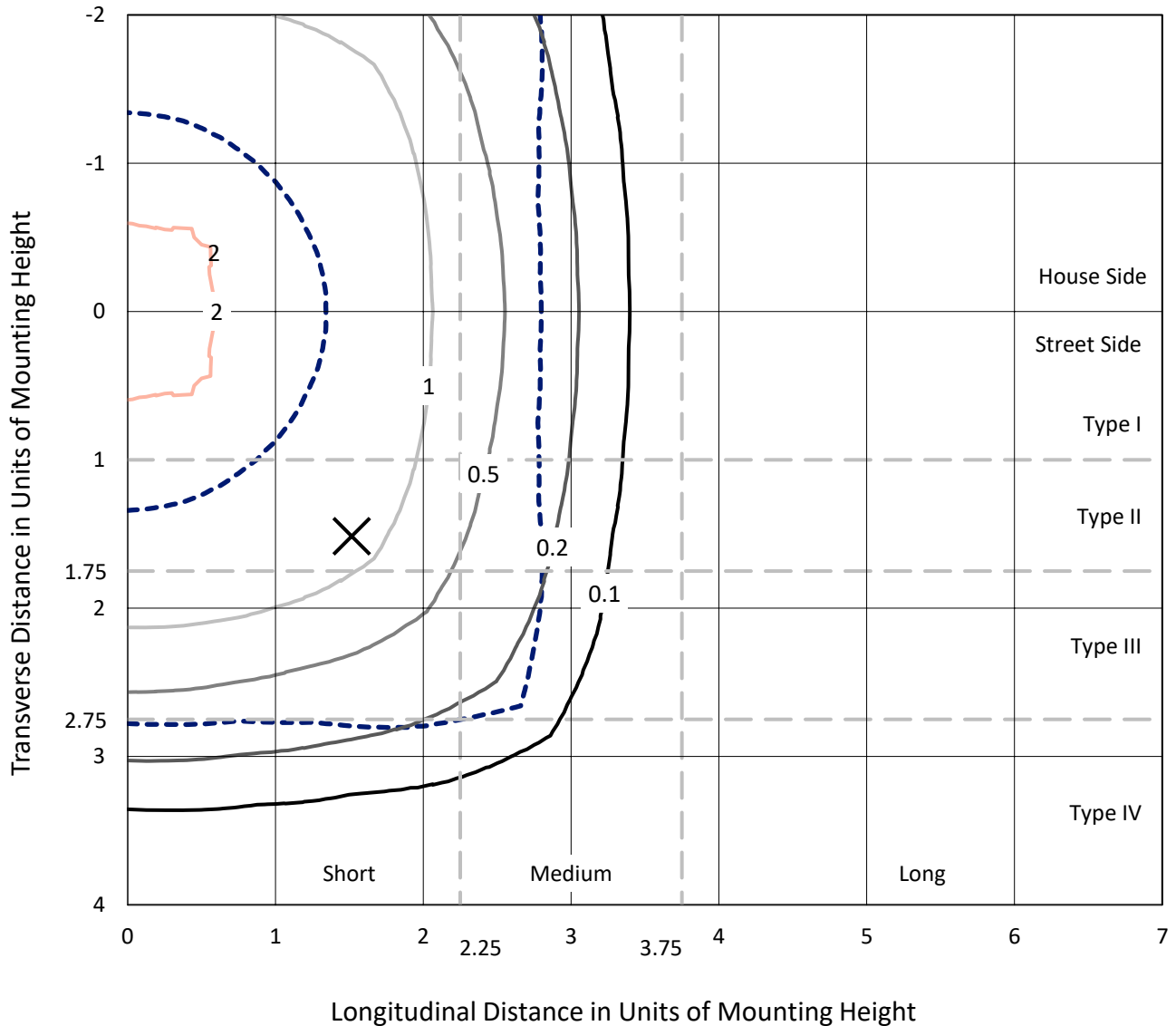
Lumens per Lamp: N/A
Luminaire Lumens: 23116.5 lumens
Efficiency: N/A
Efficacy: 139.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 166.1
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: P479698
 CATALOG NUMBER: IFLD-M-SA4B-735-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

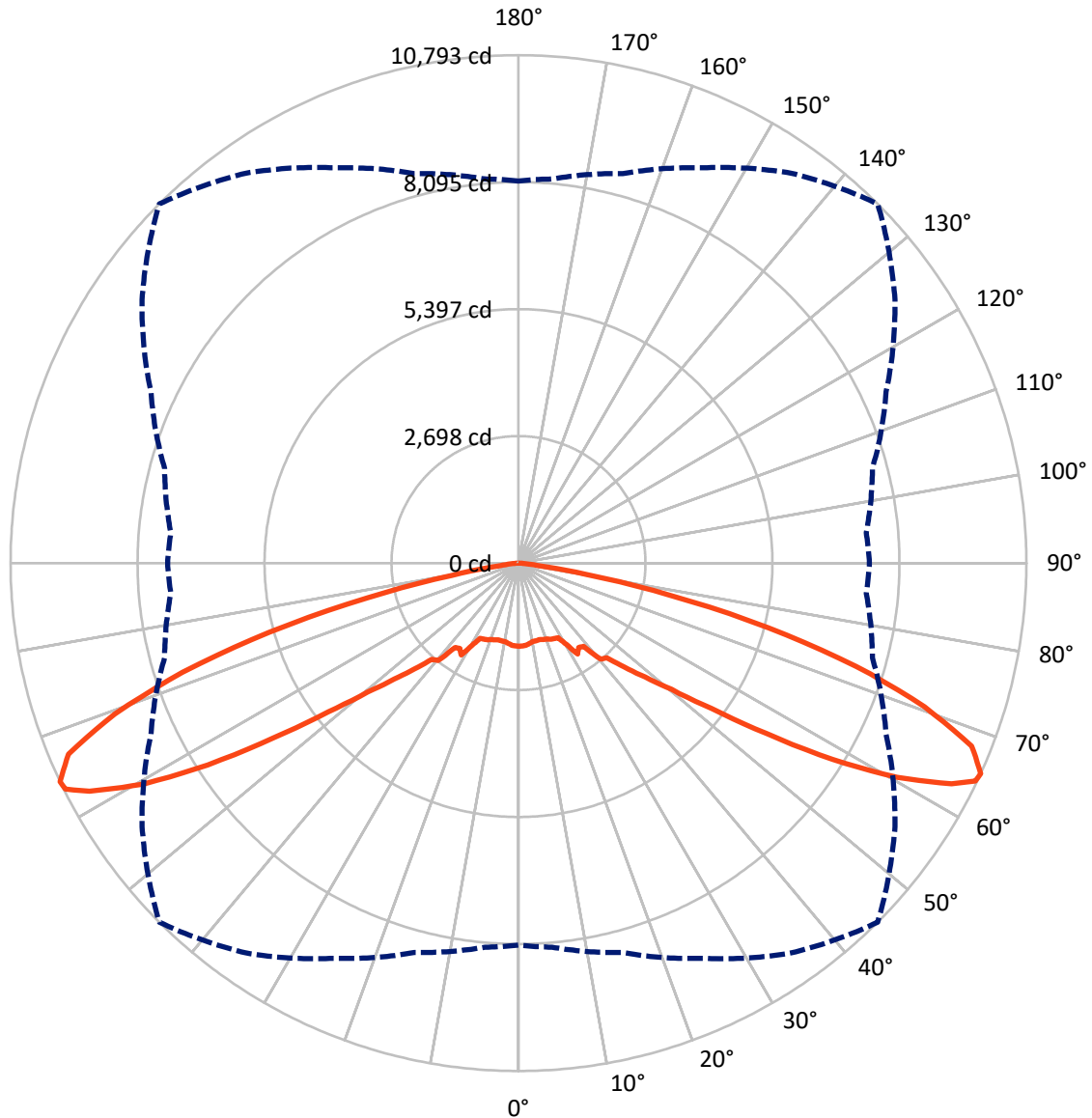
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type V - Short - N/A

REPORT NUMBER: P479698
CATALOG NUMBER: IFLD-M-SA4B-735-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P479698
 CATALOG NUMBER: IFLD-M-SA4B-735-U-5WQ

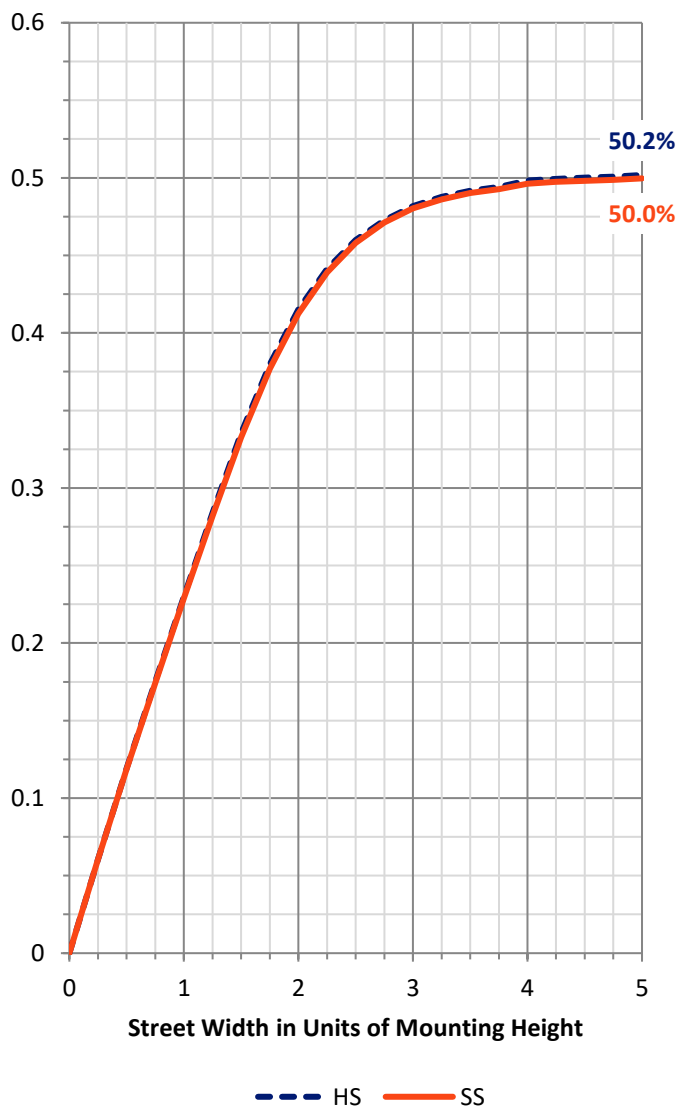
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11558.3	0.0	11558.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11558.3	0.0	11558.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	23116.5	0.0	23116.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.9	0.7
10°-20°	487.2	2.1
20°-30°	843.3	3.6
30°-40°	1402.3	6.1
40°-50°	2529.9	10.9
50°-60°	5635.8	24.4
60°-70°	8399.1	36.3
70°-80°	3480.7	15.1
80°-90°	172.4	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°	23116.5	100.0
0°-180°	23116.5	100.0

Coefficient of Utilization



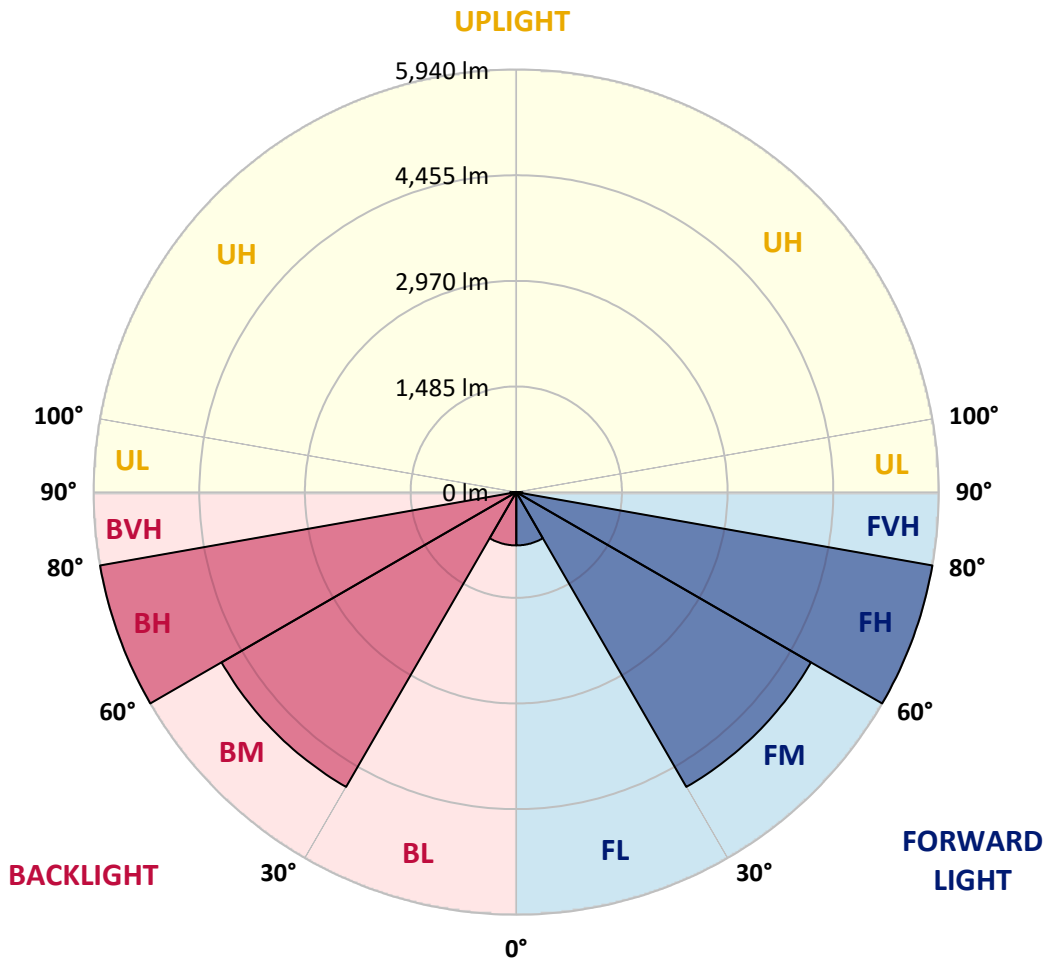
REPORT NUMBER: P479698
 CATALOG NUMBER: IFLD-M-SA4B-735-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	748.2	3.2			
FM (30°-60°)	4784.0	20.7			
FH (60°-80°)	5939.9	25.7			G3/7500
FVH (80°-90°)	86.2	0.4			G1/100
BL (0°-30°)	748.2	3.2	B2/1000		
BM (30°-60°)	4784.0	20.7	B3/5000		
BH (60°-80°)	5939.9	25.7	B5		G3/7500
BVH (80°-90°)	86.2	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: P479698
 CATALOG NUMBER: IFLD-M-SA4B-735-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1767.4	1767.4	1767.4	1767.4	1767.4	1767.4	1767.4	1767.4	1767.4	1767.4	1767.4
2.5°	1747.0	1752.1	1749.5	1749.5	1757.2	1762.3	1764.8	1790.4	1780.2	1787.8	1780.2
5°	1752.1	1752.1	1757.2	1752.1	1757.2	1752.1	1757.2	1749.5	1757.2	1762.3	1770.0
7.5°	1741.9	1736.8	1729.1	1729.1	1726.5	1721.4	1713.8	1734.2	1724.0	1731.6	1744.4
10°	1744.4	1736.8	1711.2	1716.3	1693.3	1693.3	1698.4	1698.4	1721.4	1747.0	1754.6
12.5°	1744.4	1729.1	1721.4	1688.2	1688.2	1690.8	1703.5	1708.7	1724.0	1734.2	1759.7
15°	1744.4	1736.8	1724.0	1680.6	1690.8	1685.7	1698.4	1698.4	1731.6	1749.5	1762.3
17.5°	1754.6	1759.7	1736.8	1695.9	1698.4	1708.7	1701.0	1708.7	1749.5	1762.3	1780.2
20°	1757.2	1736.8	1729.1	1703.5	1726.5	1721.4	1718.9	1734.2	1747.0	1770.0	1790.4
22.5°	1752.1	1759.7	1729.1	1726.5	1747.0	1757.2	1762.3	1744.4	1759.7	1775.1	1792.9
25°	1795.5	1767.4	1759.7	1754.6	1764.8	1775.1	1770.0	1785.3	1785.3	1803.2	1826.1
27.5°	1913.0	1915.5	1900.2	1838.9	1818.5	1795.5	1805.7	1846.6	1895.1	1933.4	1941.1
30°	1966.6	1976.8	2017.7	2007.5	1999.8	2007.5	2004.9	2015.1	2020.3	2022.8	2015.1
32.5°	2015.1	2010.0	1992.2	2038.1	2188.8	2303.8	2193.9	2043.2	2010.0	1999.8	2010.0
35°	2191.4	2191.4	2153.1	2094.3	2173.5	2201.6	2150.5	2079.0	2119.9	2204.1	2209.3
37.5°	2418.7	2385.5	2400.8	2393.1	2306.3	2245.0	2334.4	2380.4	2388.0	2385.5	2411.0
40°	2554.0	2531.1	2508.1	2548.9	2628.1	2684.3	2605.1	2495.3	2523.4	2579.6	2556.6
42.5°	2863.1	2804.3	2809.5	2768.6	2766.0	2748.2	2730.3	2737.9	2778.8	2842.7	2852.9
45°	3179.8	3207.9	3190.0	3113.4	3149.1	3149.1	3098.1	3136.4	3156.8	3230.9	3241.1
47.5°	3675.3	3662.5	3670.2	3601.2	3598.7	3616.5	3598.7	3601.2	3665.1	3659.9	3631.9
50°	4255.0	4290.8	4301.0	4267.8	4226.9	4219.3	4191.2	4226.9	4265.3	4267.8	4244.8
52.5°	5057.0	5095.3	5095.3	5105.5	5156.6	5131.1	5126.0	5128.5	5054.5	5003.4	5028.9
55°	6068.4	6081.2	6124.6	6214.0	6369.8	6390.2	6293.2	6249.8	6114.4	6032.7	6096.5
57.5°	7067.0	7118.1	7238.2	7470.6	7662.1	7871.6	7590.6	7304.6	7039.0	6908.7	6931.7
60°	7897.1	7971.2	8201.0	8525.4	9056.7	9248.2	8773.2	8282.8	7743.9	7345.4	7506.3
62.5°	8287.9	8402.8	8596.9	9253.3	10050.2	10326.0	9628.8	8737.4	7920.1	7537.0	7529.3
64°	8290.4	8308.3	8696.5	9404.0	10223.8	10757.6	9835.6	8737.4	7963.5	7491.0	7577.9
65°	8119.3	8193.4	8568.8	9266.1	10114.0	10793.4	9764.1	8617.4	7784.7	7417.0	7457.8
67.5°	7342.9	7340.3	7687.7	8379.8	9557.2	10387.3	9156.3	7945.6	7342.9	6944.5	6993.0
70°	5570.4	5659.8	5991.8	6842.3	8270.0	9158.8	8006.9	6752.9	6002.0	5682.8	5664.9
72.5°	3333.0	3450.5	3874.5	4911.4	6423.4	7503.8	6354.5	4995.7	4091.6	3585.9	3598.7
75°	1519.7	1606.5	1897.7	2743.0	4280.6	5486.1	4306.1	2888.6	2071.3	1749.5	1703.5
77.5°	426.5	480.2	641.1	1259.1	2349.7	3289.6	2416.1	1392.0	904.1	750.9	735.6
80°	191.6	201.8	227.3	306.5	745.8	1450.7	998.6	510.8	339.7	280.9	268.2
82.5°	104.7	112.4	148.1	158.4	212.0	385.7	329.5	240.1	204.3	163.5	158.4
85°	58.7	61.3	84.3	84.3	102.2	112.4	120.0	127.7	125.1	91.9	89.4
87.5°	17.9	20.4	25.5	25.5	25.5	25.5	40.9	56.2	61.3	43.4	43.4
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)