

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: P479718

Luminaire Tested: **IFLD-S-SA3C-740-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479718
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-740-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (48) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

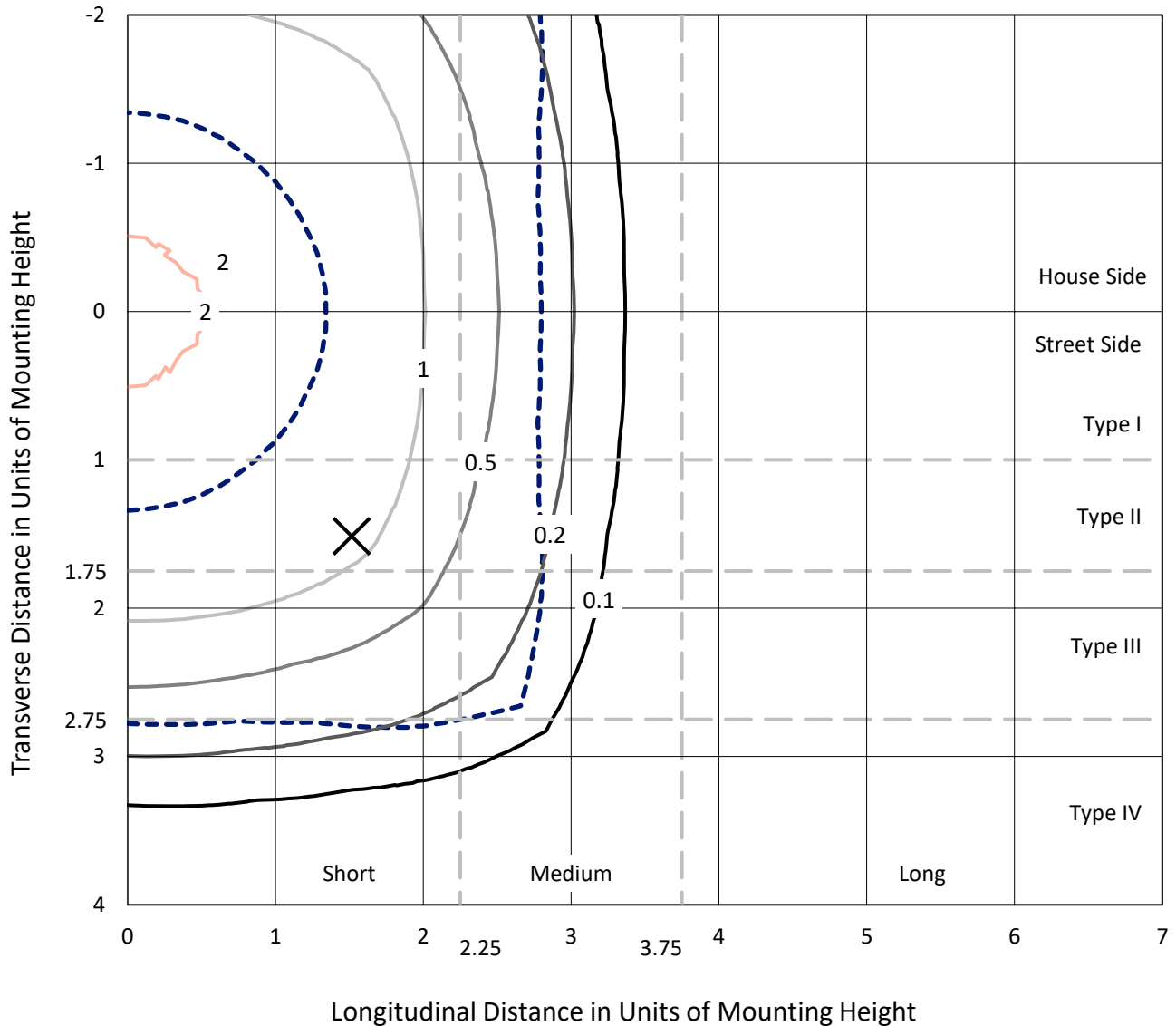
Lumens per Lamp: N/A
Luminaire Lumens: 21736.8 lumens
Efficiency: N/A
Efficacy: 135.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 160.8
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

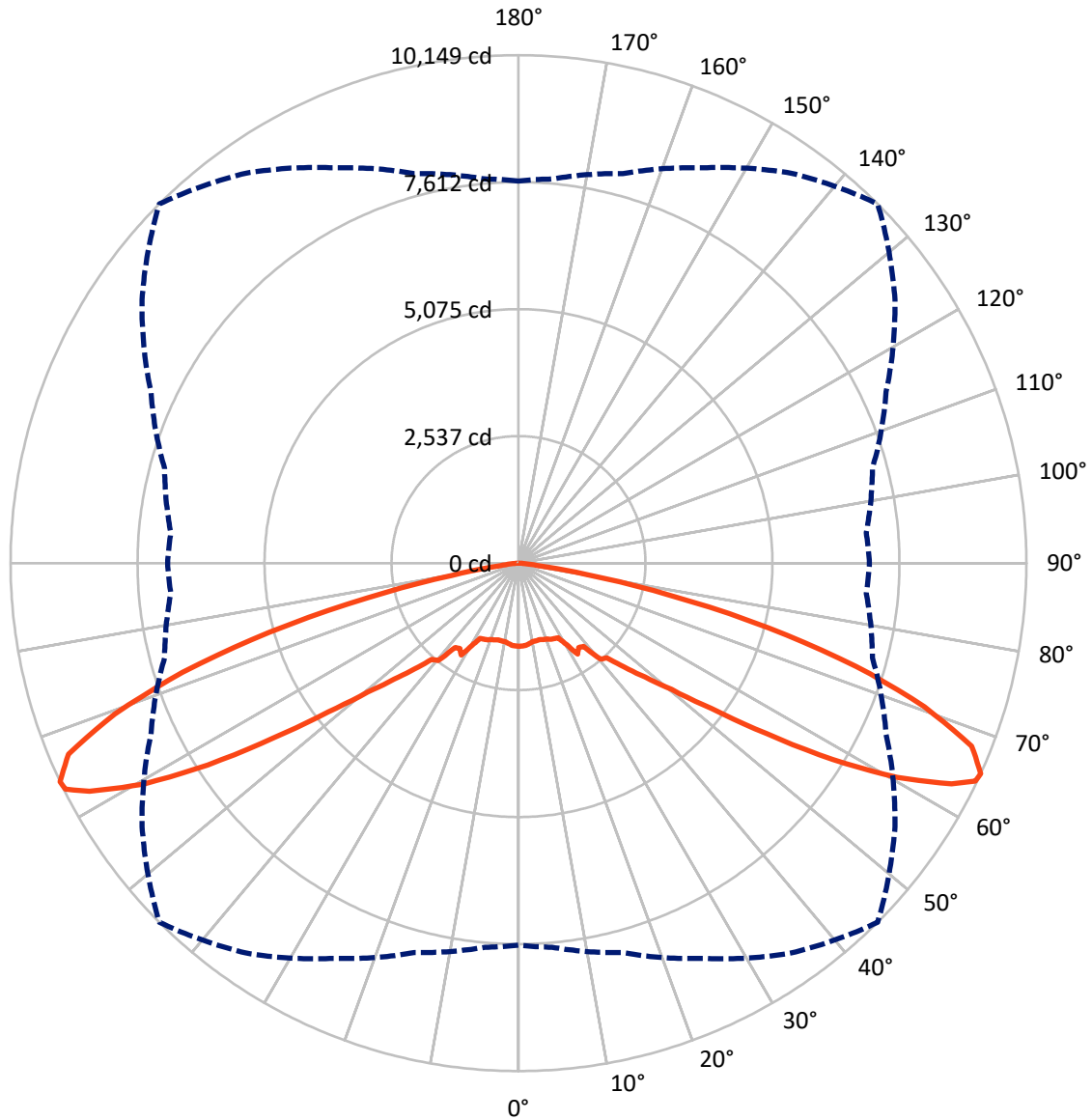
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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	10868.4	0.0	10868.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10868.4	0.0	10868.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	21736.8	0.0	21736.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.0	0.7
10°-20°	458.1	2.1
20°-30°	793.0	3.6
30°-40°	1318.6	6.1
40°-50°	2378.9	10.9
50°-60°	5299.4	24.4
60°-70°	7897.8	36.3
70°-80°	3272.9	15.1
80°-90°	162.1	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°	21736.8	100.0
0°-180°	21736.8	100.0

Coefficient of Utilization



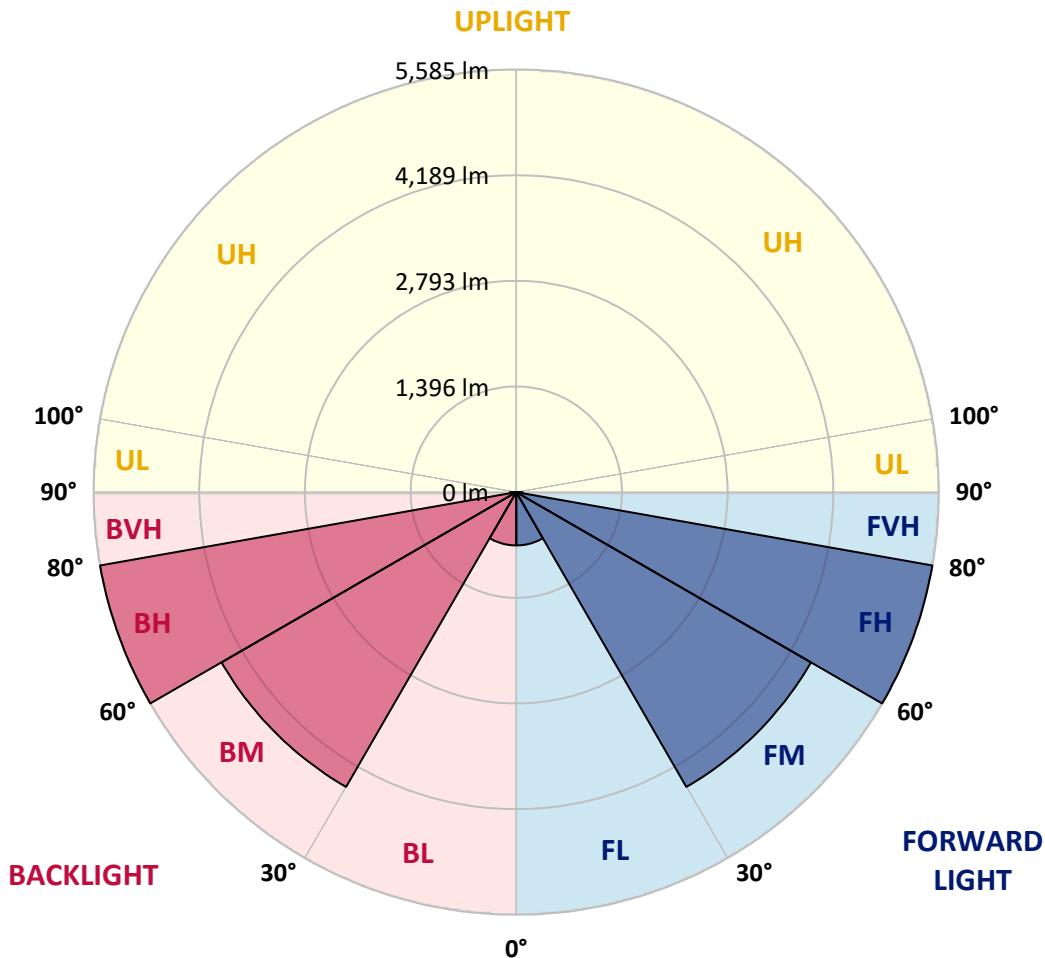
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	703.5	3.2			
FM (30°-60°)	4498.4	20.7			
FH (60°-80°)	5585.4	25.7			G3/7500
FVH (80°-90°)	81.1	0.4			G1/100
BL (0°-30°)	703.5	3.2	B2/1000		
BM (30°-60°)	4498.4	20.7	B3/5000		
BH (60°-80°)	5585.4	25.7	B5		G3/7500
BVH (80°-90°)	81.1	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1661.9	1661.9	1661.9	1661.9	1661.9	1661.9	1661.9	1661.9	1661.9	1661.9	1661.9
2.5°	1642.7	1647.5	1645.1	1645.1	1652.3	1657.1	1659.5	1683.5	1673.9	1681.1	1673.9
5°	1647.5	1647.5	1652.3	1647.5	1652.3	1647.5	1652.3	1645.1	1652.3	1657.1	1664.3
7.5°	1637.9	1633.1	1625.9	1625.9	1623.5	1618.7	1611.5	1630.7	1621.1	1628.3	1640.3
10°	1640.3	1633.1	1609.1	1613.9	1592.3	1592.3	1597.1	1597.1	1618.7	1642.7	1649.9
12.5°	1640.3	1625.9	1618.7	1587.5	1587.5	1589.9	1601.9	1606.7	1621.1	1630.7	1654.7
15°	1640.3	1633.1	1621.1	1580.3	1589.9	1585.1	1597.1	1597.1	1628.3	1645.1	1657.1
17.5°	1649.9	1654.7	1633.1	1594.7	1597.1	1606.7	1599.5	1606.7	1645.1	1657.1	1673.9
20°	1652.3	1633.1	1625.9	1601.9	1623.5	1618.7	1616.3	1630.7	1642.7	1664.3	1683.5
22.5°	1647.5	1654.7	1625.9	1623.5	1642.7	1652.3	1657.1	1640.3	1654.7	1669.1	1685.9
25°	1688.3	1661.9	1654.7	1649.9	1659.5	1669.1	1664.3	1678.7	1678.7	1695.5	1717.1
27.5°	1798.8	1801.2	1786.8	1729.2	1709.9	1688.3	1697.9	1736.4	1782.0	1818.0	1825.2
30°	1849.2	1858.8	1897.3	1887.7	1880.5	1887.7	1885.3	1894.9	1899.7	1902.1	1894.9
32.5°	1894.9	1890.1	1873.2	1916.5	2058.2	2166.2	2063.0	1921.3	1890.1	1880.5	1890.1
35°	2060.6	2060.6	2024.5	1969.3	2043.8	2070.2	2022.1	1954.9	1993.3	2072.6	2077.4
37.5°	2274.3	2243.1	2257.5	2250.3	2168.6	2111.0	2195.1	2238.3	2245.5	2243.1	2267.1
40°	2401.6	2380.0	2358.4	2396.8	2471.2	2524.1	2449.6	2346.4	2372.8	2425.6	2404.0
42.5°	2692.2	2637.0	2641.8	2603.3	2600.9	2584.1	2567.3	2574.5	2612.9	2673.0	2682.6
45°	2990.0	3016.4	2999.6	2927.6	2961.2	2961.2	2913.1	2949.2	2968.4	3038.0	3047.6
47.5°	3455.9	3443.9	3451.1	3386.3	3383.9	3400.7	3383.9	3386.3	3446.3	3441.5	3415.1
50°	4001.1	4034.7	4044.3	4013.1	3974.6	3967.4	3941.0	3974.6	4010.7	4013.1	3991.5
52.5°	4755.2	4791.2	4791.2	4800.8	4848.8	4824.8	4820.0	4822.4	4752.8	4704.7	4728.8
55°	5706.2	5718.2	5759.0	5843.1	5989.6	6008.8	5917.5	5876.7	5749.4	5672.6	5732.6
57.5°	6645.2	6693.3	6806.1	7024.7	7204.8	7401.7	7137.6	6868.6	6618.8	6496.3	6517.9
60°	7425.8	7495.4	7711.5	8016.5	8516.1	8696.2	8249.5	7788.4	7281.7	6907.0	7058.3
62.5°	7793.2	7901.3	8083.8	8701.0	9450.3	9709.7	9054.0	8215.9	7447.4	7087.1	7079.9
64°	7795.6	7812.4	8177.5	8842.7	9613.6	10115.5	9248.6	8215.9	7488.2	7043.9	7125.5
65°	7634.7	7704.3	8057.4	8713.0	9510.3	10149.2	9181.3	8103.0	7320.1	6974.2	7012.7
67.5°	6904.6	6902.2	7228.8	7879.7	8986.8	9767.3	8609.7	7471.4	6904.6	6530.0	6575.6
70°	5237.9	5321.9	5634.2	6433.9	7776.4	8612.1	7529.0	6349.8	5643.8	5343.6	5326.8
72.5°	3134.1	3244.6	3643.2	4618.3	6040.0	7055.9	5975.2	4697.5	3847.4	3371.8	3383.9
75°	1429.0	1510.6	1784.4	2579.3	4025.1	5158.6	4049.1	2716.2	1947.7	1645.1	1601.9
77.5°	401.1	451.5	602.8	1184.0	2209.5	3093.3	2271.9	1308.9	850.2	706.1	691.7
80°	180.1	189.7	213.7	288.2	701.3	1364.1	939.0	480.3	319.4	264.2	252.2
82.5°	98.5	105.7	139.3	148.9	199.3	362.6	309.8	225.8	192.1	153.7	148.9
85°	55.2	57.6	79.3	79.3	96.1	105.7	112.9	120.1	117.7	86.5	84.1
87.5°	16.8	19.2	24.0	24.0	24.0	24.0	38.4	52.8	57.6	40.8	40.8
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)