

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: P479564

Luminaire Tested: **IFLD-S-SA3E-722-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479564
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-722-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (48) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

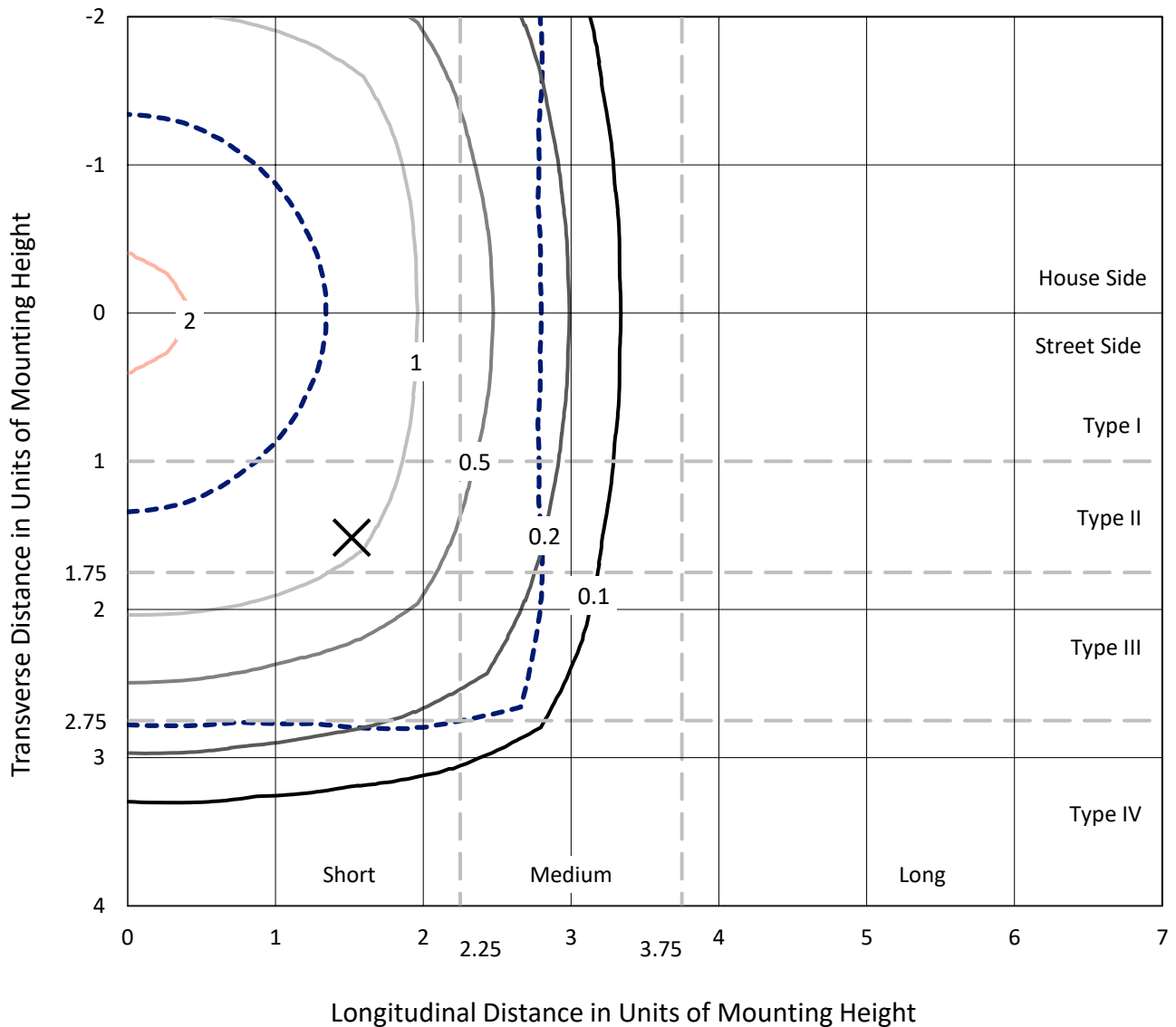
Lumens per Lamp: N/A
Luminaire Lumens: 20388.9 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 232.1
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

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Iso-Footcandle Lines of Horizontal Illumination

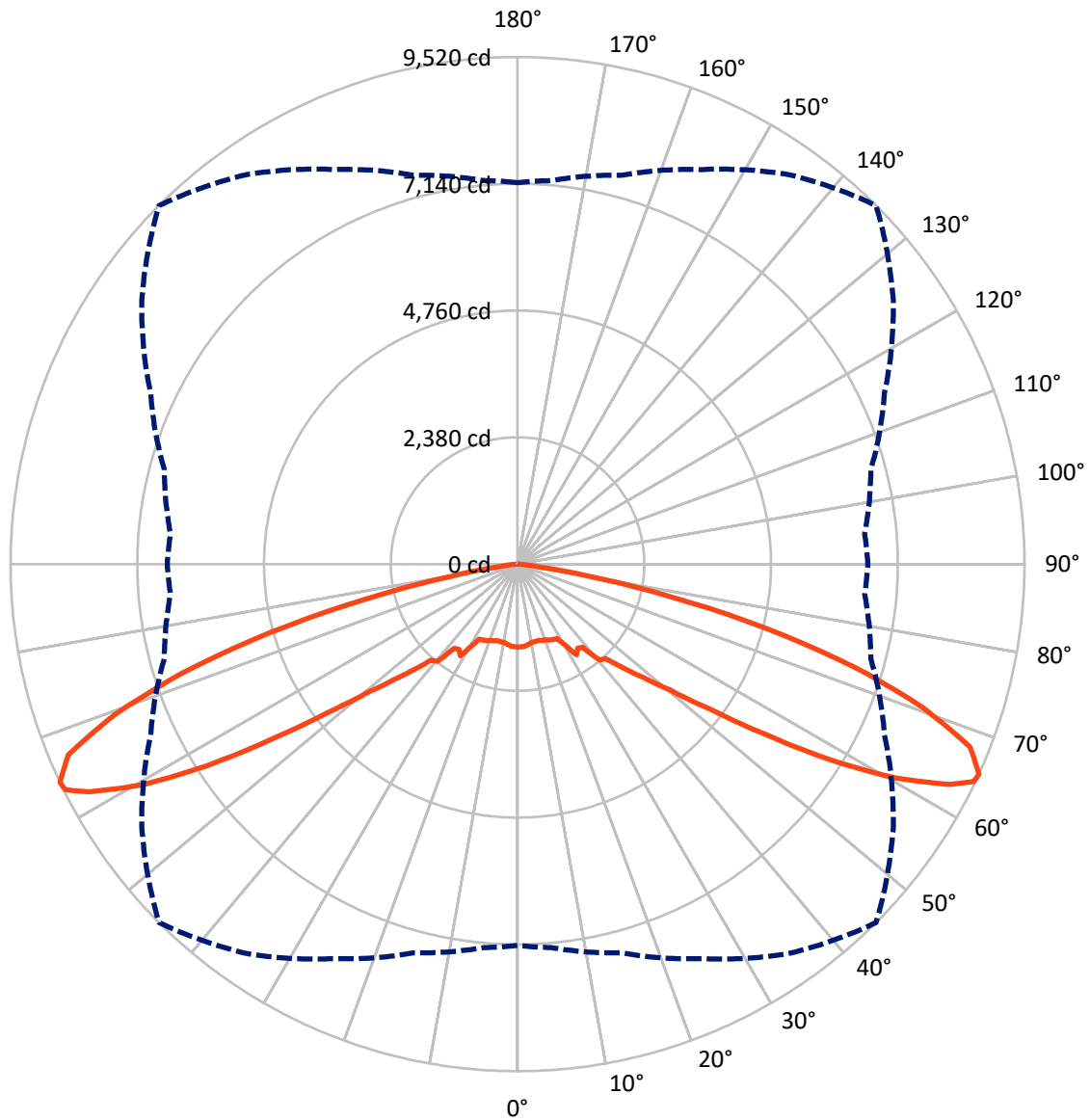
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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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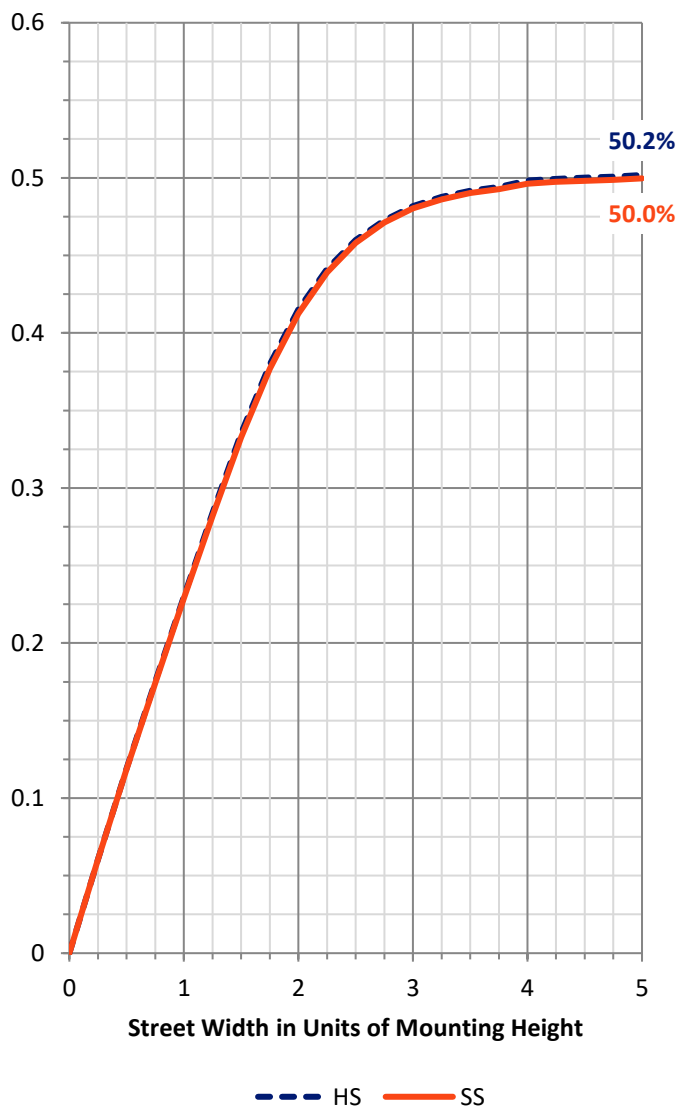
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10194.5	0.0	10194.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10194.5	0.0	10194.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	20388.9	0.0	20388.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.3	0.7
10°-20°	429.7	2.1
20°-30°	743.8	3.6
30°-40°	1236.8	6.1
40°-50°	2231.4	10.9
50°-60°	4970.8	24.4
60°-70°	7408.1	36.3
70°-80°	3070.0	15.1
80°-90°	152.1	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°	20388.9	100.0
0°-180°	20388.9	100.0

Coefficient of Utilization



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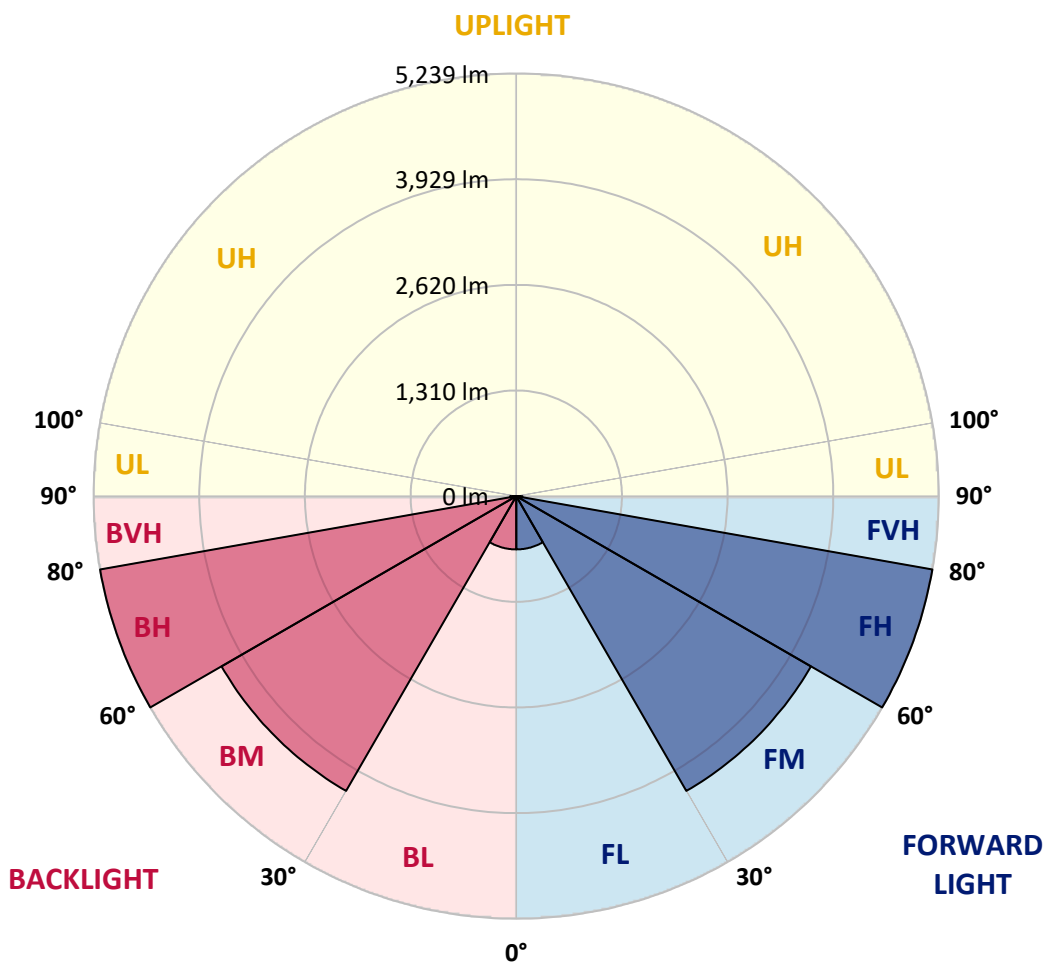
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	659.9	3.2			
FM (30°-60°)	4219.5	20.7			
FH (60°-80°)	5239.0	25.7			G3/7500
FVH (80°-90°)	76.0	0.4			G1/100
BL (0°-30°)	659.9	3.2	B2/1000		
BM (30°-60°)	4219.5	20.7	B3/5000		
BH (60°-80°)	5239.0	25.7	B5		G3/7500
BVH (80°-90°)	76.0	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°	1558.9	1558.9	1558.9	1558.9	1558.9	1558.9	1558.9	1558.9	1558.9	1558.9	1558.9
2.5°	1540.8	1545.3	1543.1	1543.1	1549.8	1554.4	1556.6	1579.1	1570.1	1576.9	1570.1
5°	1545.3	1545.3	1549.8	1545.3	1549.8	1545.3	1549.8	1543.1	1549.8	1554.4	1561.1
7.5°	1536.3	1531.8	1525.1	1525.1	1522.8	1518.3	1511.6	1529.6	1520.6	1527.3	1538.6
10°	1538.6	1531.8	1509.3	1513.8	1493.5	1493.5	1498.0	1498.0	1518.3	1540.8	1547.6
12.5°	1538.6	1525.1	1518.3	1489.0	1489.0	1491.3	1502.5	1507.0	1520.6	1529.6	1552.1
15°	1538.6	1531.8	1520.6	1482.3	1491.3	1486.8	1498.0	1498.0	1527.3	1543.1	1554.4
17.5°	1547.6	1552.1	1531.8	1495.8	1498.0	1507.0	1500.3	1507.0	1543.1	1554.4	1570.1
20°	1549.8	1531.8	1525.1	1502.5	1522.8	1518.3	1516.1	1529.6	1540.8	1561.1	1579.1
22.5°	1545.3	1552.1	1525.1	1522.8	1540.8	1549.8	1554.4	1538.6	1552.1	1565.6	1581.4
25°	1583.6	1558.9	1552.1	1547.6	1556.6	1565.6	1561.1	1574.6	1574.6	1590.4	1610.7
27.5°	1687.3	1689.5	1676.0	1621.9	1603.9	1583.6	1592.6	1628.7	1671.5	1705.3	1712.0
30°	1734.6	1743.6	1779.6	1770.6	1763.9	1770.6	1768.4	1777.4	1781.9	1784.1	1777.4
32.5°	1777.4	1772.9	1757.1	1797.6	1930.6	2031.9	1935.1	1802.1	1772.9	1763.9	1772.9
35°	1932.8	1932.8	1899.0	1847.2	1917.0	1941.8	1896.8	1833.7	1869.7	1944.1	1948.6
37.5°	2133.3	2104.0	2117.5	2110.8	2034.2	1980.1	2059.0	2099.5	2106.3	2104.0	2126.5
40°	2252.7	2232.4	2212.1	2248.2	2318.0	2367.6	2297.7	2200.9	2225.7	2275.2	2254.9
42.5°	2525.3	2473.5	2478.0	2441.9	2439.7	2423.9	2408.1	2414.9	2450.9	2507.2	2516.3
45°	2804.6	2829.4	2813.6	2746.0	2777.6	2777.6	2732.5	2766.3	2784.3	2849.6	2858.7
47.5°	3241.6	3230.4	3237.1	3176.3	3174.0	3189.8	3174.0	3176.3	3232.6	3228.1	3203.3
50°	3753.0	3784.5	3793.5	3764.2	3728.2	3721.4	3696.7	3728.2	3762.0	3764.2	3744.0
52.5°	4460.3	4494.1	4494.1	4503.1	4548.2	4525.6	4521.1	4523.4	4458.1	4413.0	4435.5
55°	5352.4	5363.6	5401.9	5480.8	5618.2	5636.2	5550.6	5512.3	5392.9	5320.8	5377.2
57.5°	6233.2	6278.2	6384.1	6589.1	6758.1	6942.8	6695.0	6442.7	6208.4	6093.5	6113.8
60°	6965.3	7030.6	7233.4	7519.5	7988.0	8157.0	7738.0	7305.5	6830.1	6478.7	6620.6
62.5°	7310.0	7411.3	7582.5	8161.5	8864.3	9107.6	8492.6	7706.4	6985.6	6647.7	6640.9
64°	7312.2	7328.0	7670.4	8294.4	9017.5	9488.3	8675.1	7706.4	7023.9	6607.1	6683.7
65°	7161.3	7226.6	7557.8	8172.7	8920.6	9519.9	8612.0	7600.6	6866.2	6541.8	6577.8
67.5°	6476.5	6474.2	6780.6	7391.1	8429.6	9161.7	8075.9	7008.1	6476.5	6125.1	6167.9
70°	4913.1	4992.0	5284.8	6034.9	7294.2	8078.1	7062.2	5956.1	5293.8	5012.2	4996.5
72.5°	2939.8	3043.4	3417.3	4331.9	5665.5	6618.4	5604.7	4406.3	3608.8	3162.8	3174.0
75°	1340.3	1416.9	1673.7	2419.4	3775.5	4838.8	3798.0	2547.8	1826.9	1543.1	1502.5
77.5°	376.2	423.5	565.4	1110.6	2072.5	2901.5	2131.0	1227.7	797.5	662.3	648.8
80°	169.0	178.0	200.5	270.3	657.8	1279.5	880.8	450.5	299.6	247.8	236.5
82.5°	92.4	99.1	130.7	139.7	187.0	340.2	290.6	211.8	180.2	144.2	139.7
85°	51.8	54.1	74.3	74.3	90.1	99.1	105.9	112.6	110.4	81.1	78.8
87.5°	15.8	18.0	22.5	22.5	22.5	22.5	36.0	49.6	54.1	38.3	38.3
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)