

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: P565308

Luminaire Tested: **IFLD-L-SA8A-AMB-U-5NQ**

Issue Date: 09/02/2021



Test Information

Test Method: LM-79-08
Report Number: P565308
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-AMB-U-5NQ
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ 5NQ distribution lens
Light Source: (128) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

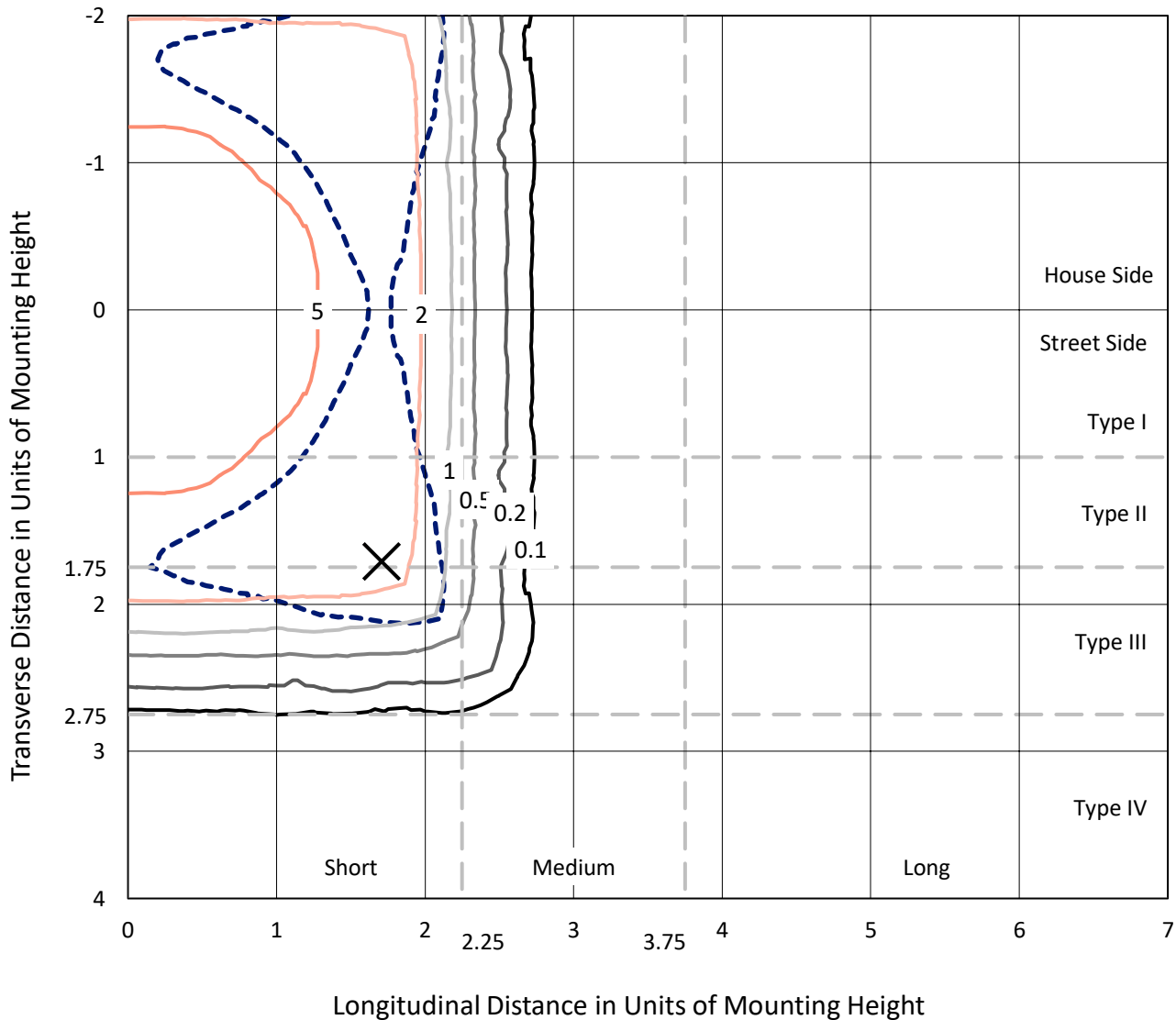
Lumens per Lamp: N/A
Luminaire Lumens: 8120.1 lumens
Efficiency: N/A
Efficacy: 50.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 160
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

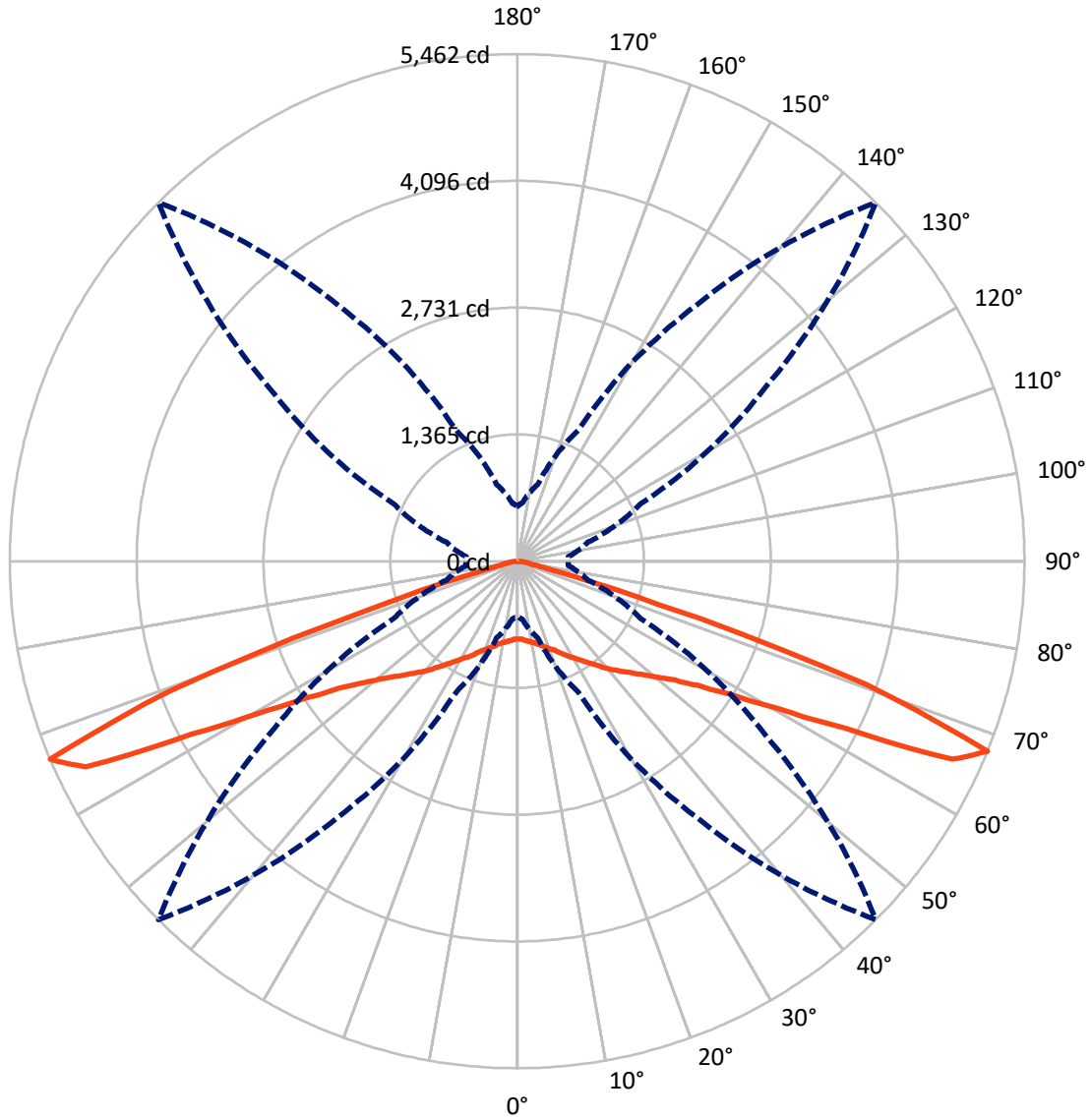
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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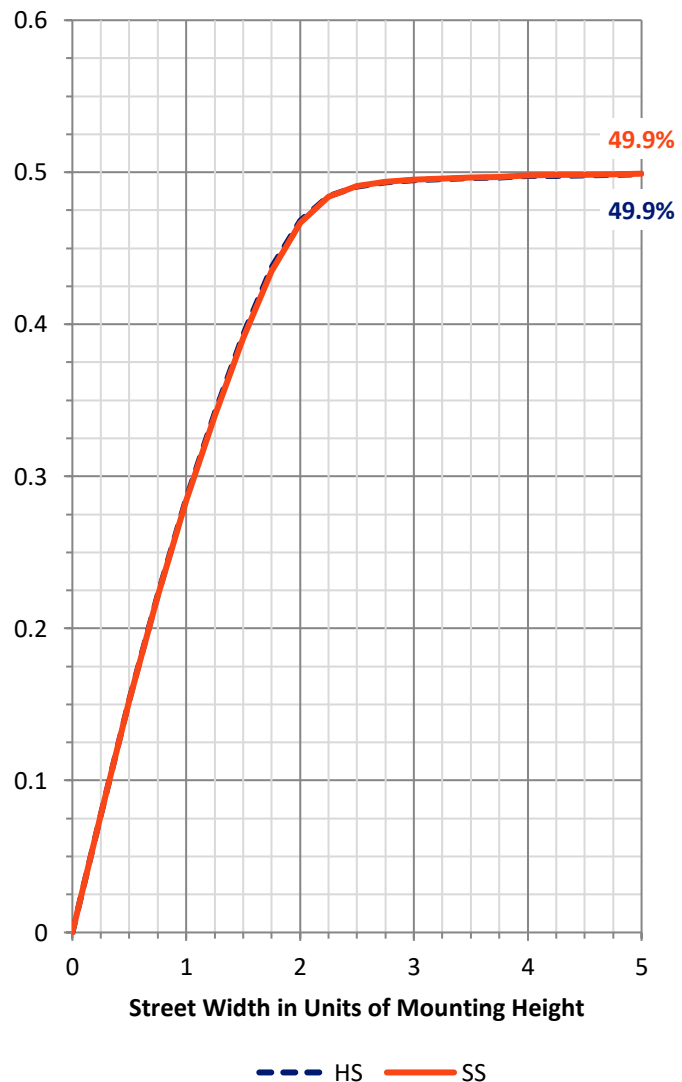
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4060.0	0.0	4060.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4060.0	0.0	4060.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8120.1	0.0	8120.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.7	1.0
10°-20°	268.3	3.3
20°-30°	512.3	6.3
30°-40°	864.6	10.6
40°-50°	1376.2	16.9
50°-60°	2202.6	27.1
60°-70°	2457.4	30.3
70°-80°	316.8	3.9
80°-90°	39.2	0.5
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°	8120.1	100.0
0°-180°	8120.1	100.0

Coefficient of Utilization

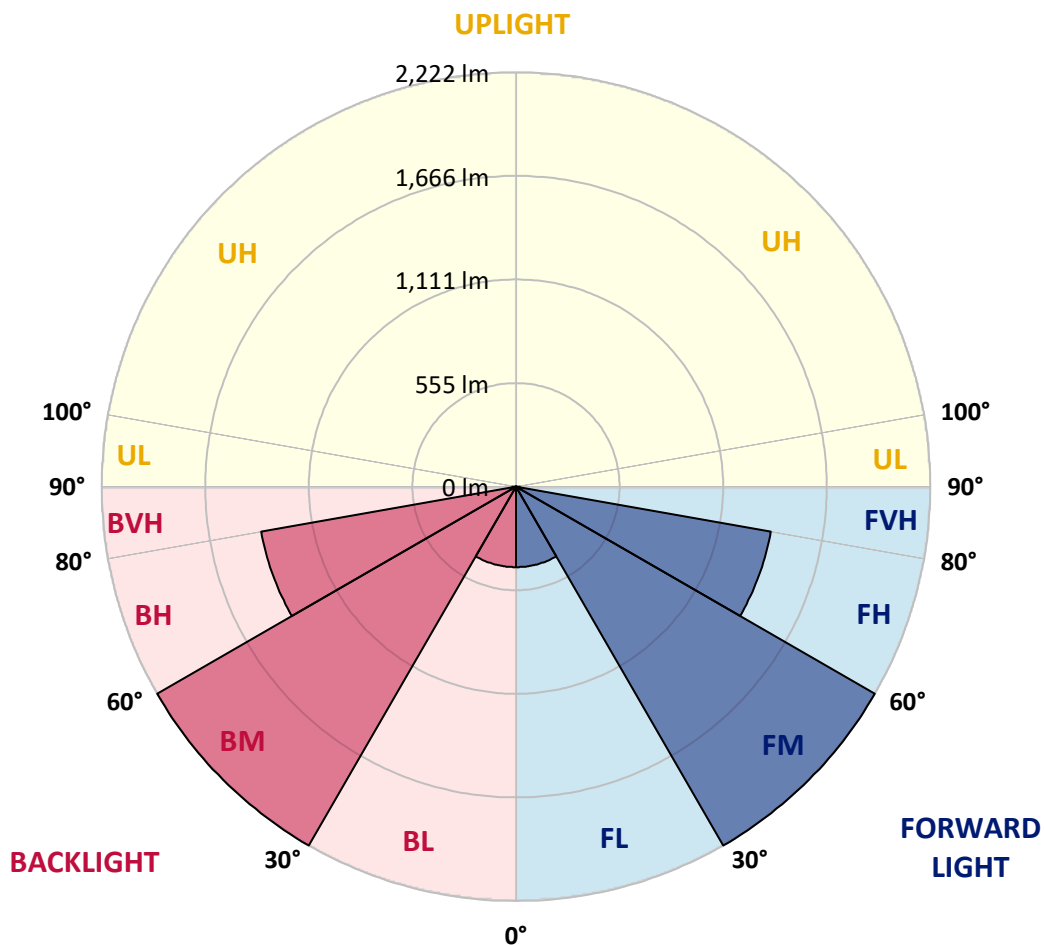


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	431.6	5.3			
FM (30°-60°)	2221.7	27.4			
FH (60°-80°)	1387.1	17.1			G1/1800
FVH (80°-90°)	19.6	0.2			G1/100
BL (0°-30°)	431.6	5.3	B1/500		
BM (30°-60°)	2221.7	27.4	B2/2500		
BH (60°-80°)	1387.1	17.1	B3/2500		G1/1800
BVH (80°-90°)	19.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	836.0	836.0	836.0	836.0	836.0	836.0	836.0	836.0	836.0	836.0	836.0
2.5°	836.0	836.0	836.0	836.0	836.0	839.9	839.9	839.9	843.9	843.9	843.9
5°	851.9	847.9	851.9	851.9	851.9	855.9	855.9	855.9	855.9	859.8	859.8
7.5°	871.8	871.8	871.8	871.8	871.8	871.8	871.8	871.8	871.8	875.8	875.8
10°	883.7	883.7	883.7	887.7	883.7	887.7	891.7	891.7	891.7	891.7	891.7
12.5°	903.6	903.6	907.6	907.6	907.6	907.6	911.6	911.6	911.6	911.6	911.6
15°	935.5	935.5	935.5	935.5	935.5	939.5	939.5	939.5	943.4	939.5	939.5
17.5°	963.3	963.3	967.3	967.3	967.3	971.3	975.3	971.3	975.3	971.3	971.3
20°	995.2	995.2	995.2	999.2	1003.2	1007.1	1007.1	1007.1	1007.1	1003.2	1003.2
22.5°	1035.0	1031.0	1035.0	1039.0	1039.0	1043.0	1046.9	1046.9	1046.9	1043.0	1043.0
25°	1086.8	1086.8	1090.7	1098.7	1098.7	1098.7	1098.7	1102.7	1110.6	1102.7	1102.7
27.5°	1138.5	1138.5	1146.5	1154.4	1150.4	1154.4	1154.4	1162.4	1162.4	1162.4	1158.4
30°	1194.2	1194.2	1206.2	1214.1	1210.2	1210.2	1214.1	1222.1	1222.1	1222.1	1222.1
32.5°	1257.9	1261.9	1273.8	1281.8	1273.8	1277.8	1281.8	1289.8	1289.8	1281.8	1285.8
35°	1345.5	1345.5	1365.4	1369.4	1353.5	1349.5	1361.4	1377.3	1385.3	1373.4	1377.3
37.5°	1417.2	1421.1	1449.0	1457.0	1449.0	1433.1	1453.0	1472.9	1480.8	1464.9	1460.9
40°	1512.7	1516.7	1548.5	1548.5	1536.6	1524.6	1552.5	1580.4	1580.4	1564.4	1560.5
42.5°	1616.2	1616.2	1660.0	1660.0	1632.1	1616.2	1652.0	1691.8	1695.8	1671.9	1667.9
45°	1727.7	1731.6	1779.4	1779.4	1743.6	1711.7	1751.5	1815.2	1815.2	1783.4	1783.4
47.5°	1835.1	1835.1	1886.9	1898.8	1859.0	1827.2	1874.9	1938.6	1930.7	1882.9	1871.0
50°	1942.6	1946.6	2006.3	2026.2	1998.4	1962.5	2018.3	2074.0	2050.1	1994.4	1994.4
52.5°	2129.7	2125.7	2185.4	2193.4	2165.5	2129.7	2185.4	2241.2	2221.3	2173.5	2161.6
55°	2340.7	2344.7	2420.3	2436.2	2392.4	2360.6	2420.3	2472.1	2452.2	2400.4	2396.4
57.5°	2547.7	2559.6	2643.2	2714.9	2722.9	2702.9	2746.7	2766.6	2718.9	2651.2	2639.3
60°	2675.1	2695.0	2862.2	3021.4	3160.7	3216.5	3188.6	3116.9	2925.9	2746.7	2734.8
62.5°	2412.4	2444.2	2718.9	3156.8	3698.1	3964.9	3765.8	3248.3	2734.8	2416.3	2412.4
65°	1528.6	1600.3	2030.2	2782.6	3921.1	5147.1	3980.8	2702.9	1878.9	1496.8	1496.8
67.5°	589.2	629.0	855.9	1552.5	3367.7	5461.6	3256.3	1468.9	788.2	549.3	553.3
70°	203.0	211.0	270.7	521.5	1632.1	3992.7	1528.6	473.7	266.7	211.0	215.0
72.5°	143.3	147.3	159.2	195.1	453.8	1584.3	394.1	199.0	163.2	147.3	147.3
75°	107.5	111.5	123.4	143.3	187.1	358.3	183.1	147.3	131.4	115.4	111.5
77.5°	75.6	79.6	87.6	103.5	127.4	163.2	135.3	119.4	107.5	95.5	91.6
80°	51.8	55.7	67.7	71.7	79.6	115.4	103.5	99.5	87.6	71.7	67.7
82.5°	27.9	31.8	47.8	51.8	51.8	67.7	71.7	75.6	67.7	51.8	47.8
85°	15.9	15.9	23.9	27.9	31.8	31.8	39.8	47.8	51.8	31.8	31.8
87.5°	4.0	4.0	4.0	8.0	8.0	8.0	15.9	19.9	23.9	11.9	11.9
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)