

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: P479794

Luminaire Tested: **IFLD-S-SA3A-760-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479794
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-760-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (48) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

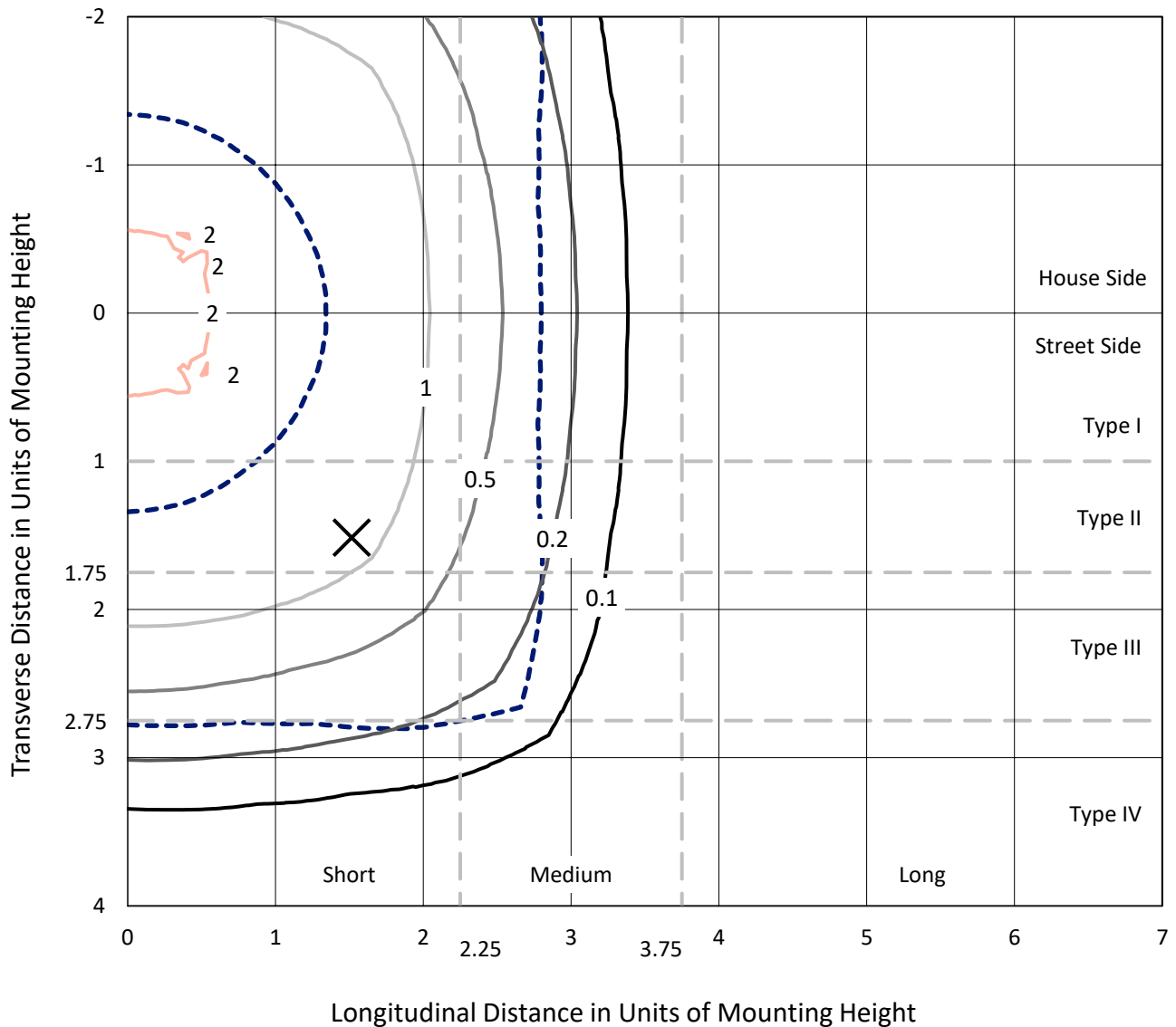
Lumens per Lamp: N/A
Luminaire Lumens: 14442.2 lumens
Efficiency: N/A
Efficacy: 152.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 94.8
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

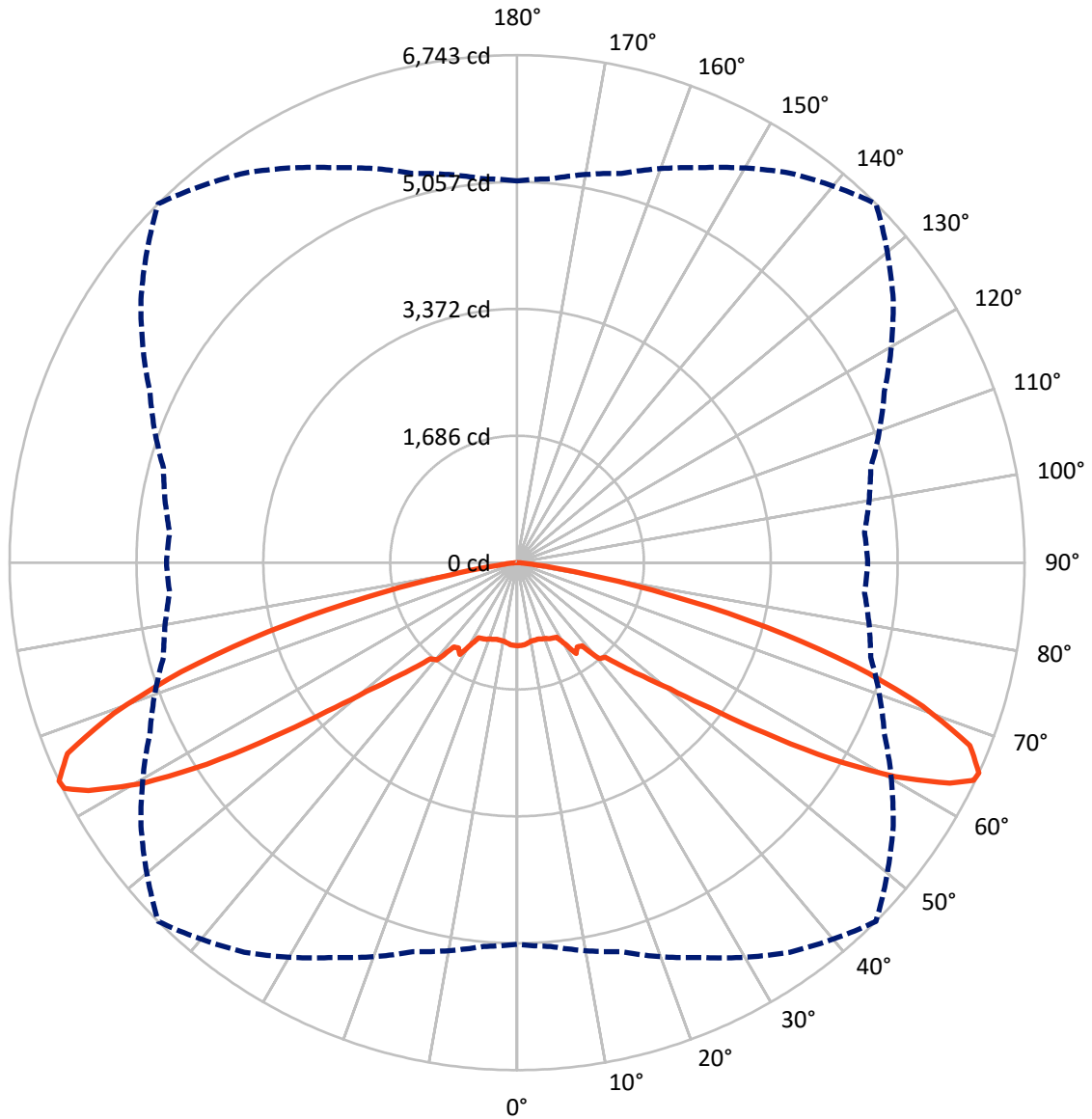
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.8 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	7221.1	0.0	7221.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7221.1	0.0	7221.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	14442.2	0.0	14442.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.6	0.7
10°-20°	304.4	2.1
20°-30°	526.9	3.6
30°-40°	876.1	6.1
40°-50°	1580.6	10.9
50°-60°	3521.0	24.4
60°-70°	5247.4	36.3
70°-80°	2174.6	15.1
80°-90°	107.7	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°	14442.2	100.0
0°-180°	14442.2	100.0



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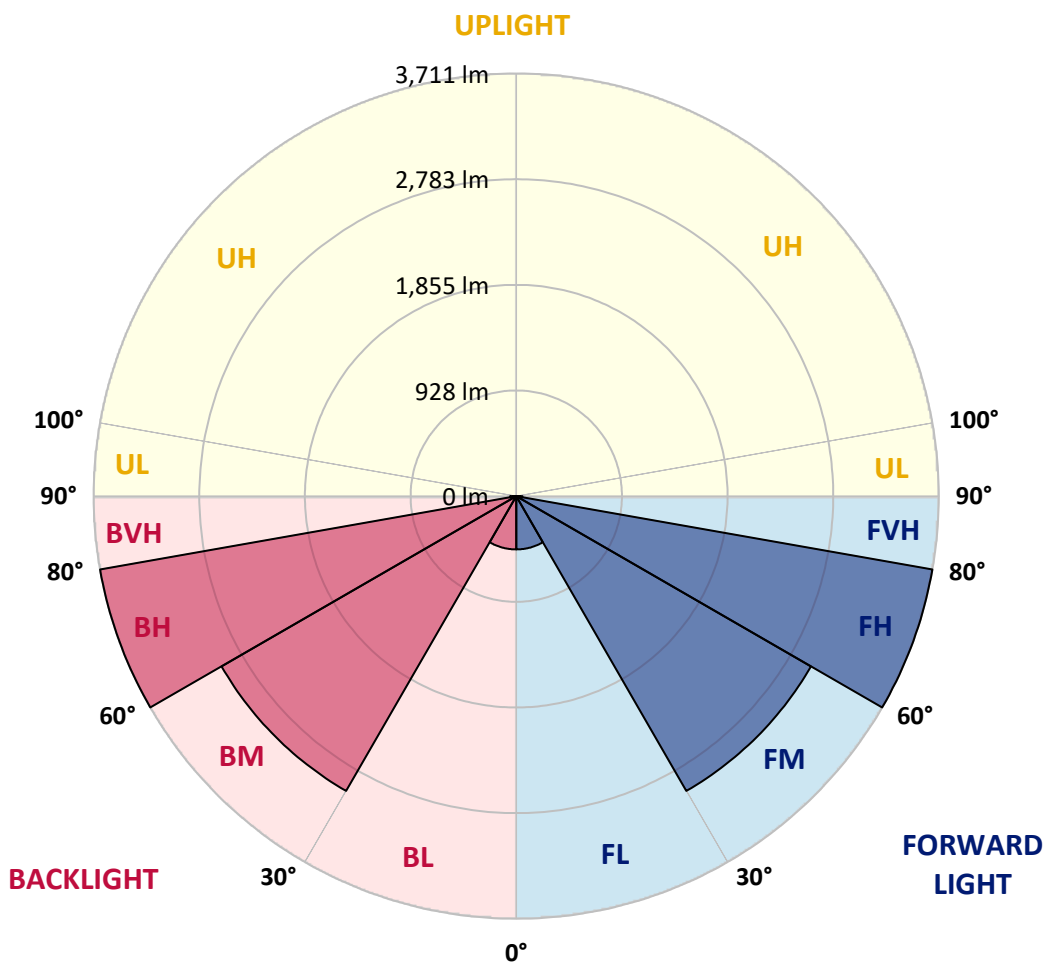
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	467.4	3.2			
FM (30°-60°)	2988.8	20.7			
FH (60°-80°)	3711.0	25.7			G2/5000
FVH (80°-90°)	53.9	0.4			G1/100
BL (0°-30°)	467.4	3.2	B1/500		
BM (30°-60°)	2988.8	20.7	B3/5000		
BH (60°-80°)	3711.0	25.7	B4/5000		G2/5000
BVH (80°-90°)	53.9	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1104.2	1104.2	1104.2	1104.2	1104.2	1104.2	1104.2	1104.2	1104.2	1104.2	1104.2
2.5°	1091.4	1094.6	1093.0	1093.0	1097.8	1101.0	1102.6	1118.6	1112.2	1117.0	1112.2
5°	1094.6	1094.6	1097.8	1094.6	1097.8	1094.6	1097.8	1093.0	1097.8	1101.0	1105.8
7.5°	1088.2	1085.0	1080.3	1080.3	1078.7	1075.5	1070.7	1083.5	1077.1	1081.9	1089.8
10°	1089.8	1085.0	1069.1	1072.3	1057.9	1057.9	1061.1	1061.1	1075.5	1091.4	1096.2
12.5°	1089.8	1080.3	1075.5	1054.7	1054.7	1056.3	1064.3	1067.5	1077.1	1083.5	1099.4
15°	1089.8	1085.0	1077.1	1049.9	1056.3	1053.1	1061.1	1061.1	1081.9	1093.0	1101.0
17.5°	1096.2	1099.4	1085.0	1059.5	1061.1	1067.5	1062.7	1067.5	1093.0	1101.0	1112.2
20°	1097.8	1085.0	1080.3	1064.3	1078.7	1075.5	1073.9	1083.5	1091.4	1105.8	1118.6
22.5°	1094.6	1099.4	1080.3	1078.7	1091.4	1097.8	1101.0	1089.8	1099.4	1109.0	1120.2
25°	1121.7	1104.2	1099.4	1096.2	1102.6	1109.0	1105.8	1115.4	1115.4	1126.5	1140.9
27.5°	1195.1	1196.7	1187.2	1148.9	1136.1	1121.7	1128.1	1153.7	1184.0	1207.9	1212.7
30°	1228.7	1235.0	1260.6	1254.2	1249.4	1254.2	1252.6	1259.0	1262.2	1263.8	1259.0
32.5°	1259.0	1255.8	1244.6	1273.3	1367.5	1439.3	1370.7	1276.5	1255.8	1249.4	1255.8
35°	1369.1	1369.1	1345.1	1308.4	1357.9	1375.5	1343.5	1298.9	1324.4	1377.1	1380.2
37.5°	1511.1	1490.3	1499.9	1495.1	1440.9	1402.6	1458.4	1487.2	1491.9	1490.3	1506.3
40°	1595.7	1581.3	1566.9	1592.5	1641.9	1677.0	1627.6	1559.0	1576.5	1611.6	1597.3
42.5°	1788.7	1752.0	1755.2	1729.7	1728.1	1716.9	1705.8	1710.5	1736.1	1776.0	1782.3
45°	1986.6	2004.1	1993.0	1945.1	1967.4	1967.4	1935.5	1959.5	1972.2	2018.5	2024.9
47.5°	2296.1	2288.2	2293.0	2249.9	2248.3	2259.4	2248.3	2249.9	2289.8	2286.6	2269.0
50°	2658.4	2680.7	2687.1	2666.3	2640.8	2636.0	2618.5	2640.8	2664.7	2666.3	2652.0
52.5°	3159.4	3183.3	3183.3	3189.7	3221.6	3205.7	3202.5	3204.1	3157.8	3125.9	3141.8
55°	3791.3	3799.3	3826.4	3882.2	3979.6	3992.3	3931.7	3904.6	3820.0	3768.9	3808.8
57.5°	4415.2	4447.1	4522.1	4667.3	4787.0	4917.8	4742.3	4563.6	4397.6	4316.3	4330.6
60°	4933.8	4980.0	5123.7	5326.3	5658.2	5777.9	5481.1	5174.7	4838.0	4589.1	4689.6
62.5°	5177.9	5249.7	5371.0	5781.1	6278.9	6451.2	6015.6	5458.7	4948.1	4708.8	4704.0
64°	5179.5	5190.7	5433.2	5875.2	6387.4	6720.9	6144.9	5458.7	4975.3	4680.1	4734.3
65°	5072.6	5118.9	5353.4	5789.0	6318.8	6743.2	6100.2	5383.7	4863.6	4633.8	4659.3
67.5°	4587.5	4585.9	4802.9	5235.3	5970.9	6489.5	5720.4	4964.1	4587.5	4338.6	4368.9
70°	3480.1	3536.0	3743.4	4274.8	5166.7	5722.0	5002.4	4218.9	3749.8	3550.3	3539.2
72.5°	2082.3	2155.7	2420.6	3068.4	4013.1	4688.0	3970.0	3121.1	2556.2	2240.3	2248.3
75°	949.4	1003.7	1185.6	1713.7	2674.3	3427.5	2690.3	1804.7	1294.1	1093.0	1064.3
77.5°	266.5	300.0	400.5	786.7	1468.0	2055.2	1509.5	869.6	564.9	469.1	459.5
80°	119.7	126.1	142.0	191.5	465.9	906.3	623.9	319.1	212.2	175.5	167.5
82.5°	65.4	70.2	92.5	98.9	132.4	240.9	205.8	150.0	127.7	102.1	98.9
85°	36.7	38.3	52.7	52.7	63.8	70.2	75.0	79.8	78.2	57.4	55.8
87.5°	11.2	12.8	16.0	16.0	16.0	16.0	25.5	35.1	38.3	27.1	27.1
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)