

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: P479752

Luminaire Tested: **IFLD-S-SA2C-750-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479752
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-750-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (32) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

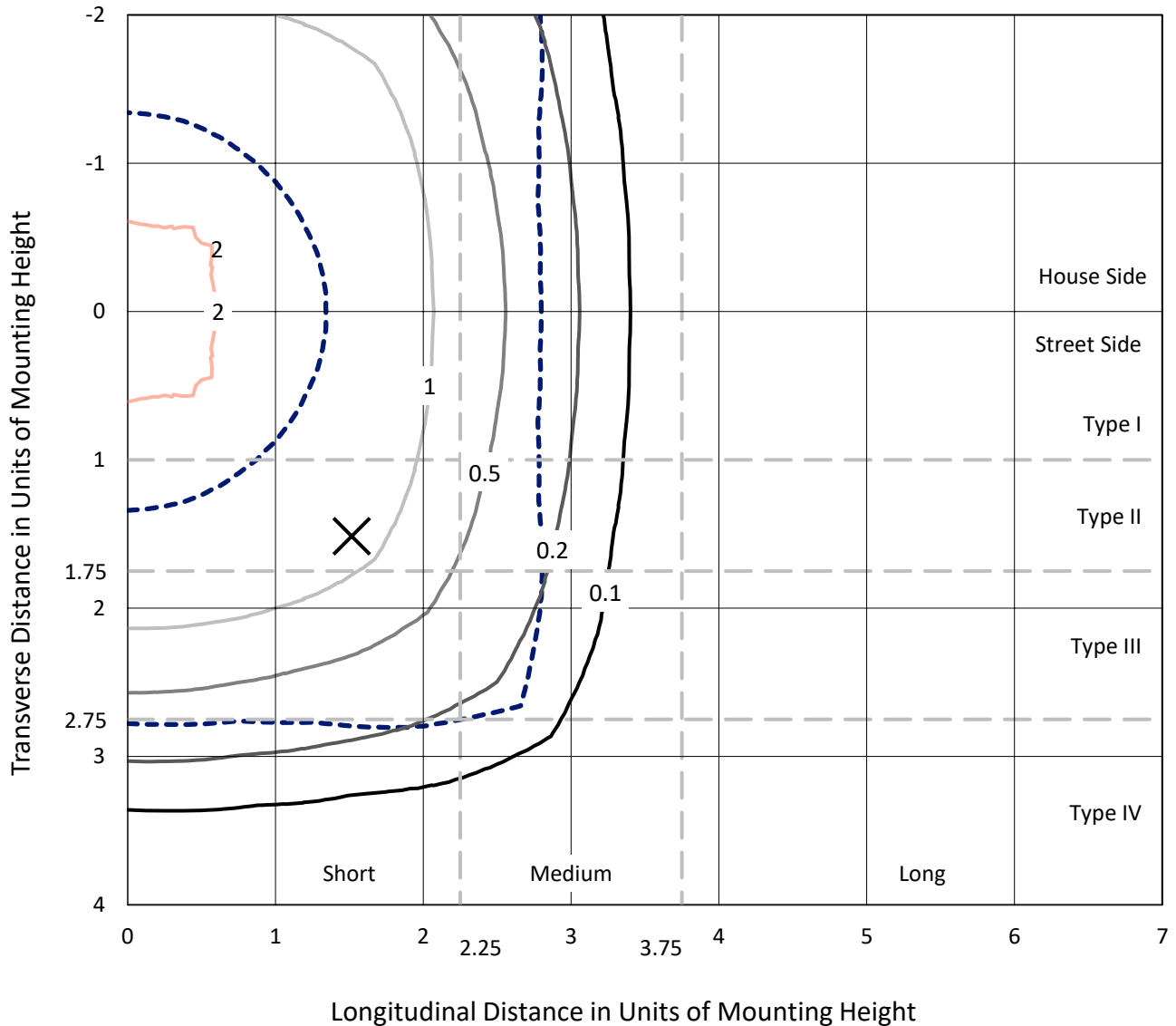
Lumens per Lamp: N/A
Luminaire Lumens: 14919.7 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 108.2
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

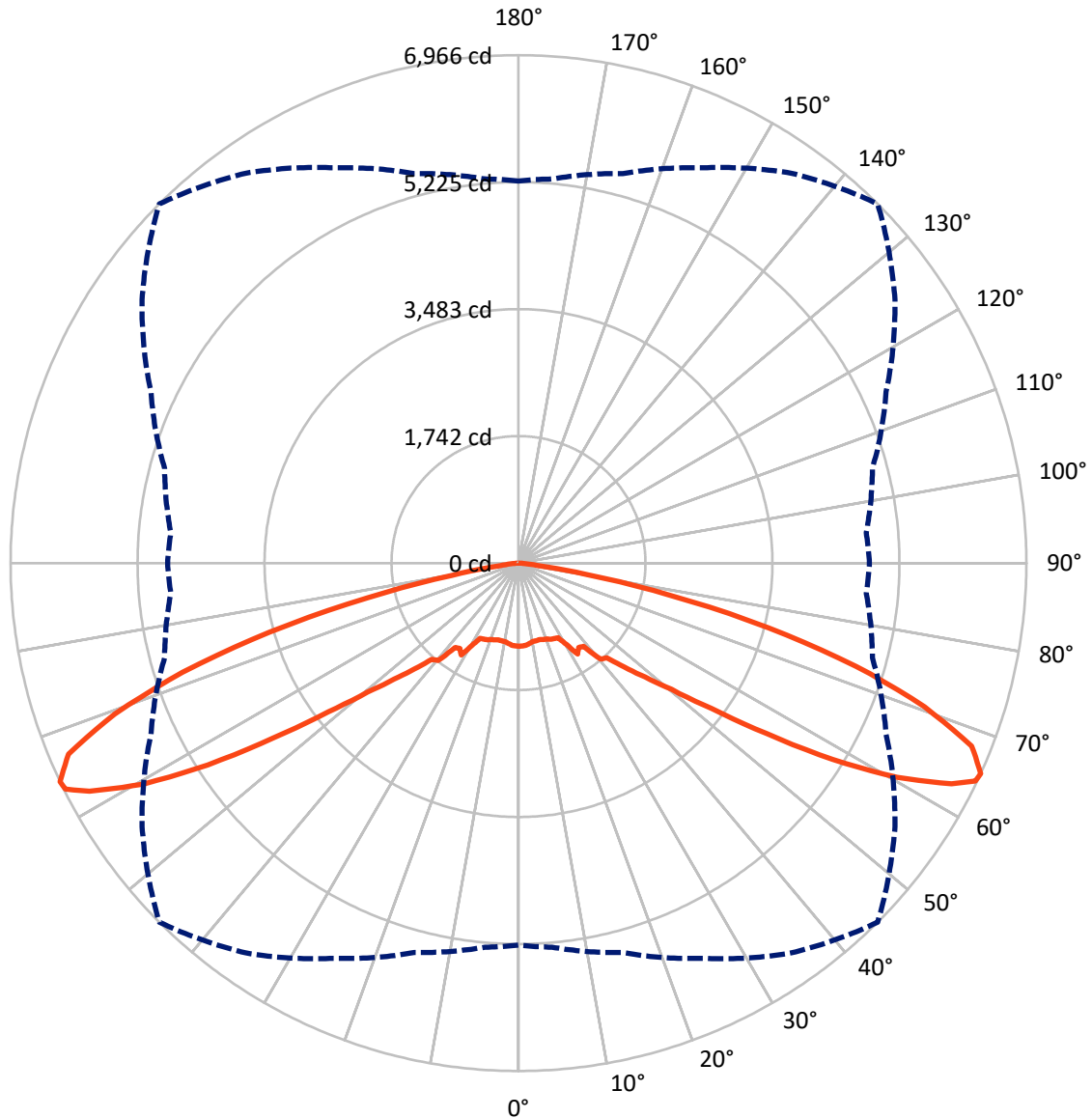
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.9 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	7459.8	0.0	7459.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7459.8	0.0	7459.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	14919.7	0.0	14919.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.0	0.7
10°-20°	314.4	2.1
20°-30°	544.3	3.6
30°-40°	905.0	6.1
40°-50°	1632.8	10.9
50°-60°	3637.4	24.4
60°-70°	5420.9	36.3
70°-80°	2246.5	15.1
80°-90°	111.3	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°	14919.7	100.0
0°-180°	14919.7	100.0

Coefficient of Utilization



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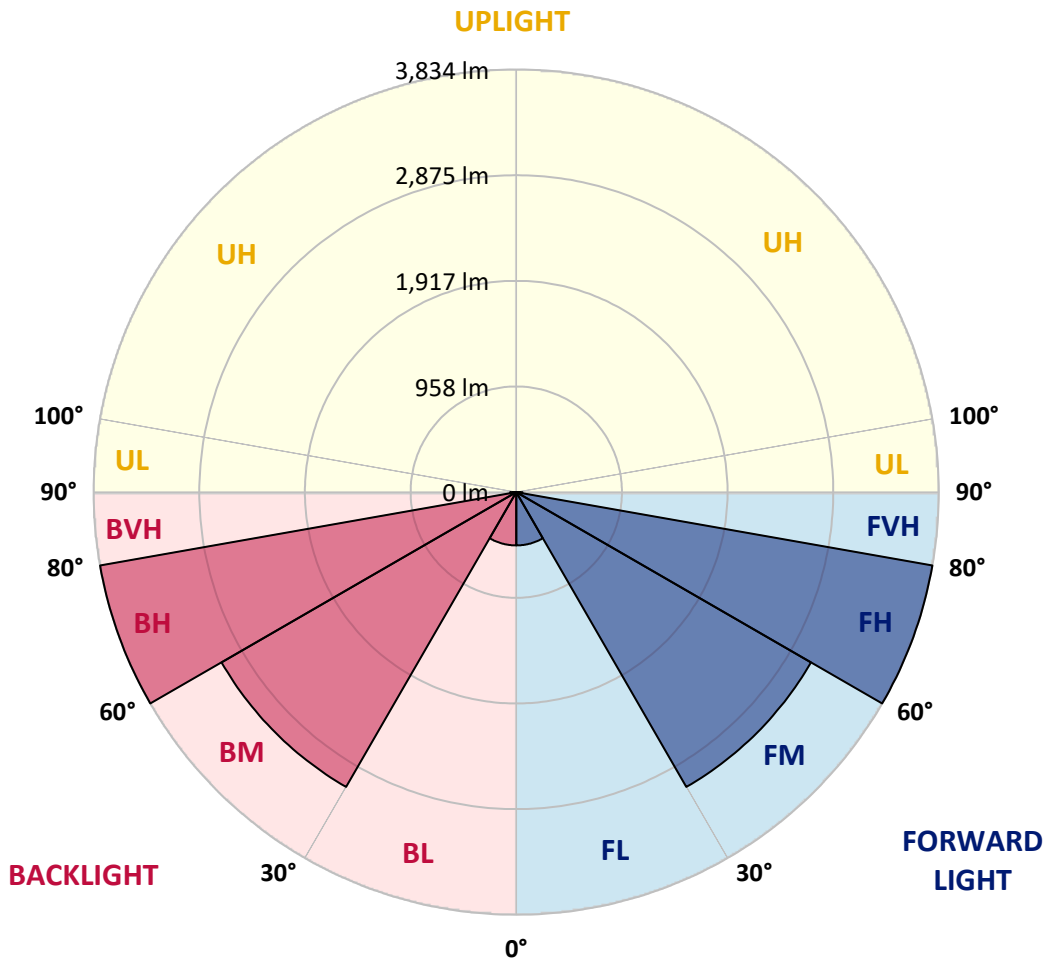
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	482.9	3.2			
FM (30°-60°)	3087.6	20.7			
FH (60°-80°)	3833.7	25.7			G2/5000
FVH (80°-90°)	55.6	0.4			G1/100
BL (0°-30°)	482.9	3.2	B1/500		
BM (30°-60°)	3087.6	20.7	B3/5000		
BH (60°-80°)	3833.7	25.7	B4/5000		G2/5000
BVH (80°-90°)	55.6	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°	1140.7	1140.7	1140.7	1140.7	1140.7	1140.7	1140.7	1140.7	1140.7	1140.7	1140.7
2.5°	1127.5	1130.8	1129.2	1129.2	1134.1	1137.4	1139.1	1155.5	1148.9	1153.9	1148.9
5°	1130.8	1130.8	1134.1	1130.8	1134.1	1130.8	1134.1	1129.2	1134.1	1137.4	1142.3
7.5°	1124.2	1120.9	1116.0	1116.0	1114.3	1111.0	1106.1	1119.3	1112.7	1117.6	1125.9
10°	1125.9	1120.9	1104.4	1107.7	1092.9	1092.9	1096.2	1096.2	1111.0	1127.5	1132.5
12.5°	1125.9	1116.0	1111.0	1089.6	1089.6	1091.2	1099.5	1102.8	1112.7	1119.3	1135.8
15°	1125.9	1120.9	1112.7	1084.7	1091.2	1088.0	1096.2	1096.2	1117.6	1129.2	1137.4
17.5°	1132.5	1135.8	1120.9	1094.5	1096.2	1102.8	1097.8	1102.8	1129.2	1137.4	1148.9
20°	1134.1	1120.9	1116.0	1099.5	1114.3	1111.0	1109.4	1119.3	1127.5	1142.3	1155.5
22.5°	1130.8	1135.8	1116.0	1114.3	1127.5	1134.1	1137.4	1125.9	1135.8	1145.6	1157.2
25°	1158.8	1140.7	1135.8	1132.5	1139.1	1145.6	1142.3	1152.2	1152.2	1163.8	1178.6
27.5°	1234.7	1236.3	1226.4	1186.9	1173.7	1158.8	1165.4	1191.8	1223.1	1247.8	1252.8
30°	1269.3	1275.9	1302.2	1295.7	1290.7	1295.7	1294.0	1300.6	1303.9	1305.5	1300.6
32.5°	1300.6	1297.3	1285.8	1315.4	1412.7	1486.9	1416.0	1318.7	1297.3	1290.7	1297.3
35°	1414.3	1414.3	1389.6	1351.7	1402.8	1420.9	1388.0	1341.8	1368.2	1422.6	1425.9
37.5°	1561.0	1539.6	1549.5	1544.6	1488.5	1449.0	1506.6	1536.3	1541.3	1539.6	1556.1
40°	1648.4	1633.6	1618.7	1645.1	1696.2	1732.5	1681.4	1610.5	1628.6	1664.9	1650.1
42.5°	1847.9	1810.0	1813.3	1786.9	1785.2	1773.7	1762.2	1767.1	1793.5	1834.7	1841.3
45°	2052.3	2070.4	2058.9	2009.4	2032.5	2032.5	1999.5	2024.2	2037.4	2085.2	2091.8
47.5°	2372.1	2363.8	2368.8	2324.3	2322.6	2334.1	2322.6	2324.3	2365.5	2362.2	2344.0
50°	2746.3	2769.3	2775.9	2754.5	2728.1	2723.2	2705.0	2728.1	2752.8	2754.5	2739.7
52.5°	3263.9	3288.6	3288.6	3295.2	3328.1	3311.7	3308.4	3310.0	3262.2	3229.2	3245.7
55°	3916.6	3924.9	3952.9	4010.6	4111.1	4124.3	4061.7	4033.7	3946.3	3893.5	3934.8
57.5°	4561.2	4594.1	4671.6	4821.6	4945.2	5080.4	4899.1	4714.5	4543.0	4459.0	4473.8
60°	5096.9	5144.7	5293.0	5502.4	5845.3	5968.9	5662.3	5345.8	4998.0	4740.8	4844.7
62.5°	5349.1	5423.3	5548.6	5972.2	6486.5	6664.5	6214.5	5639.2	5111.7	4864.5	4859.5
64°	5350.7	5362.3	5612.8	6069.4	6598.6	6943.1	6348.0	5639.2	5139.7	4834.8	4890.8
65°	5240.3	5288.1	5530.4	5980.4	6527.7	6966.2	6301.9	5561.7	5024.4	4787.0	4813.4
67.5°	4739.2	4737.5	4961.7	5408.4	6168.4	6704.1	5909.6	5128.2	4739.2	4482.0	4513.3
70°	3595.2	3652.9	3867.2	4416.1	5337.6	5911.2	5167.8	4358.4	3873.8	3667.7	3656.2
72.5°	2151.2	2227.0	2500.6	3169.9	4145.8	4843.0	4101.2	3224.3	2640.8	2314.4	2322.6
75°	980.8	1036.9	1224.8	1770.4	2762.7	3540.8	2779.2	1864.4	1336.9	1129.2	1099.5
77.5°	275.3	309.9	413.8	812.7	1516.5	2123.2	1559.4	898.4	583.5	484.6	474.7
80°	123.6	130.2	146.7	197.8	481.3	936.3	644.5	329.7	219.2	181.3	173.1
82.5°	67.6	72.5	95.6	102.2	136.8	248.9	212.6	155.0	131.9	105.5	102.2
85°	37.9	39.6	54.4	54.4	65.9	72.5	77.5	82.4	80.8	59.3	57.7
87.5°	11.5	13.2	16.5	16.5	16.5	16.5	26.4	36.3	39.6	28.0	28.0
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)