

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: P479674

Luminaire Tested: **IFLD-S-SA2C-735-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479674
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-735-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

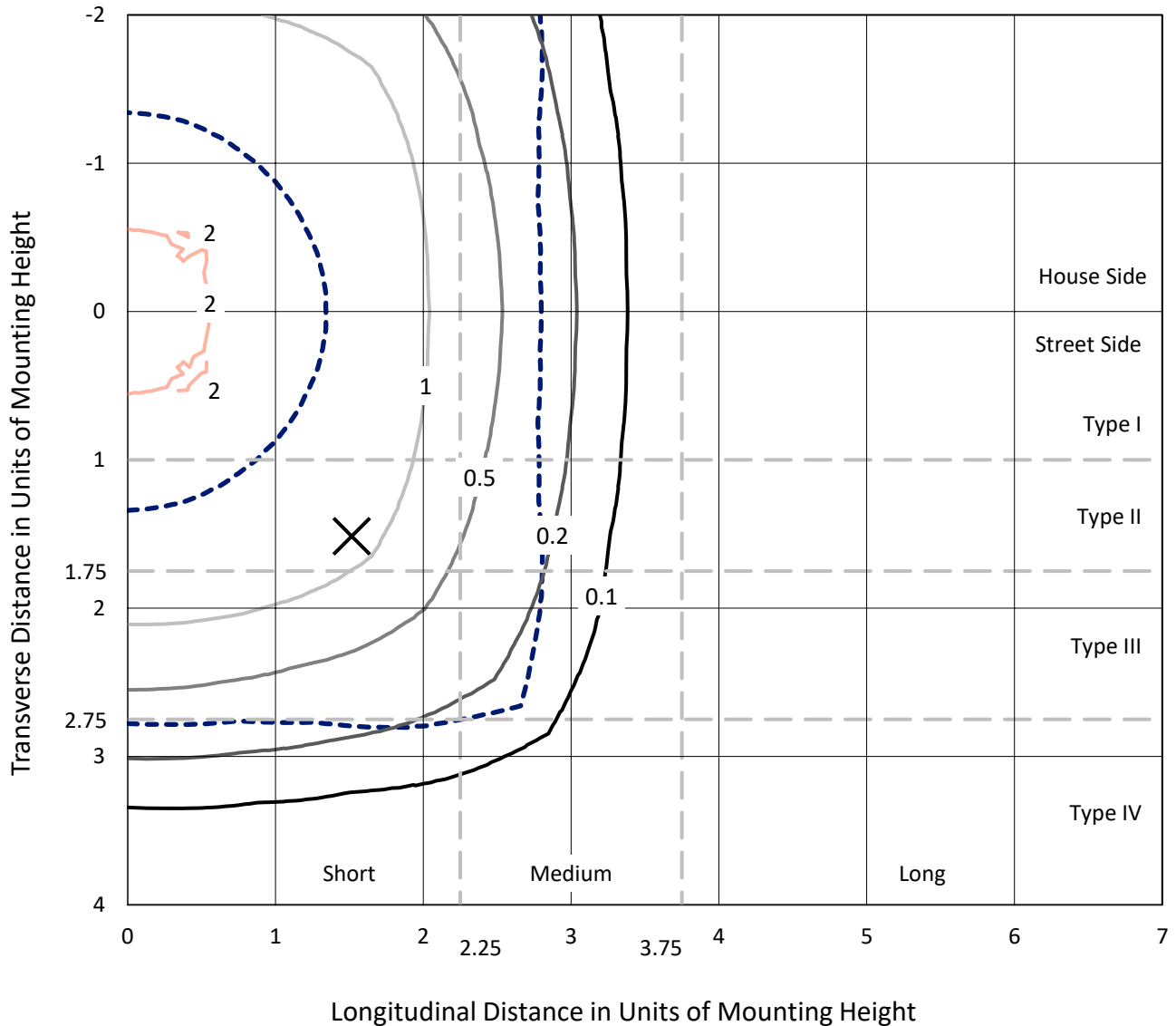
Lumens per Lamp: N/A
Luminaire Lumens: 14385.8 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

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

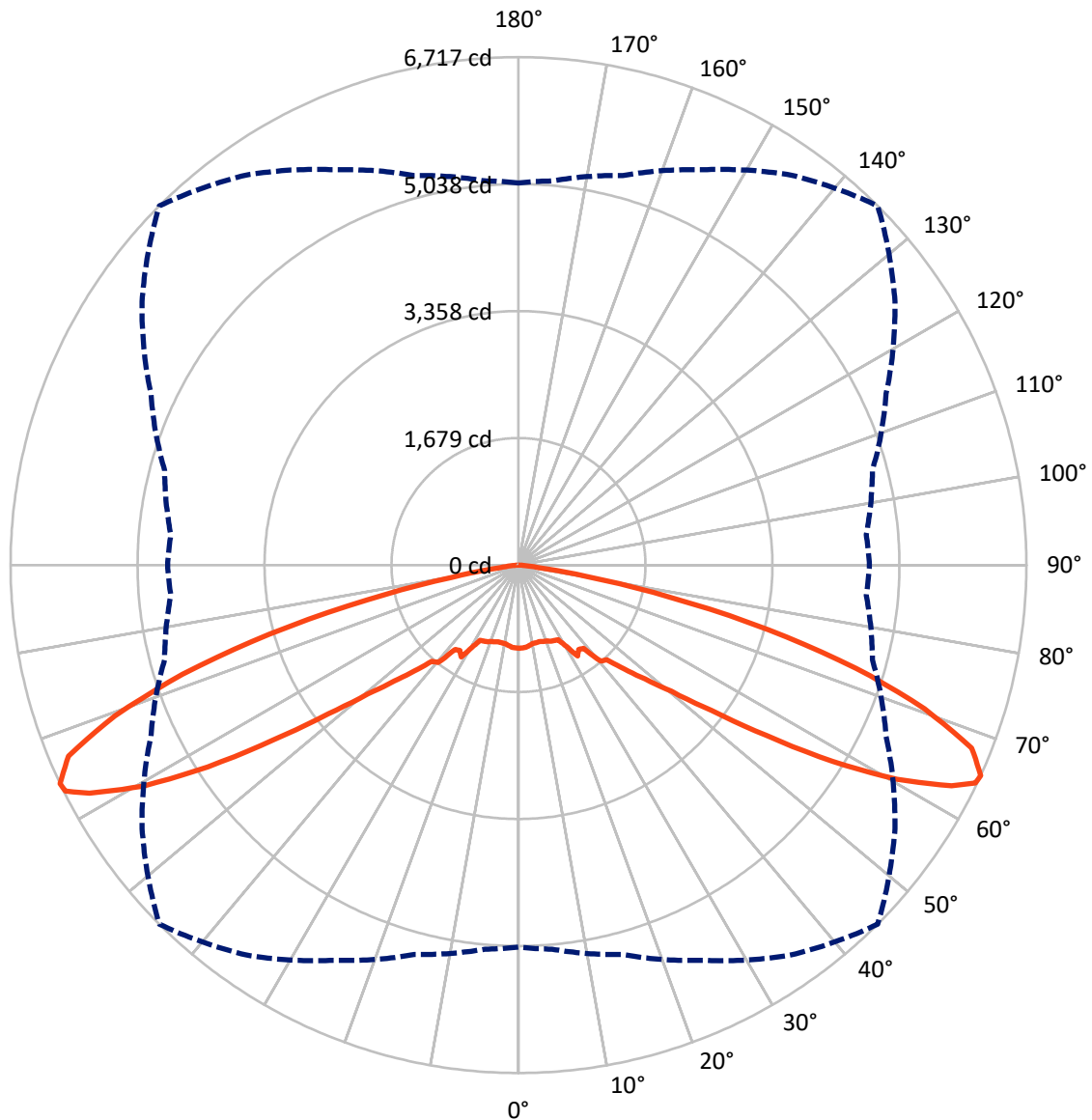
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.7 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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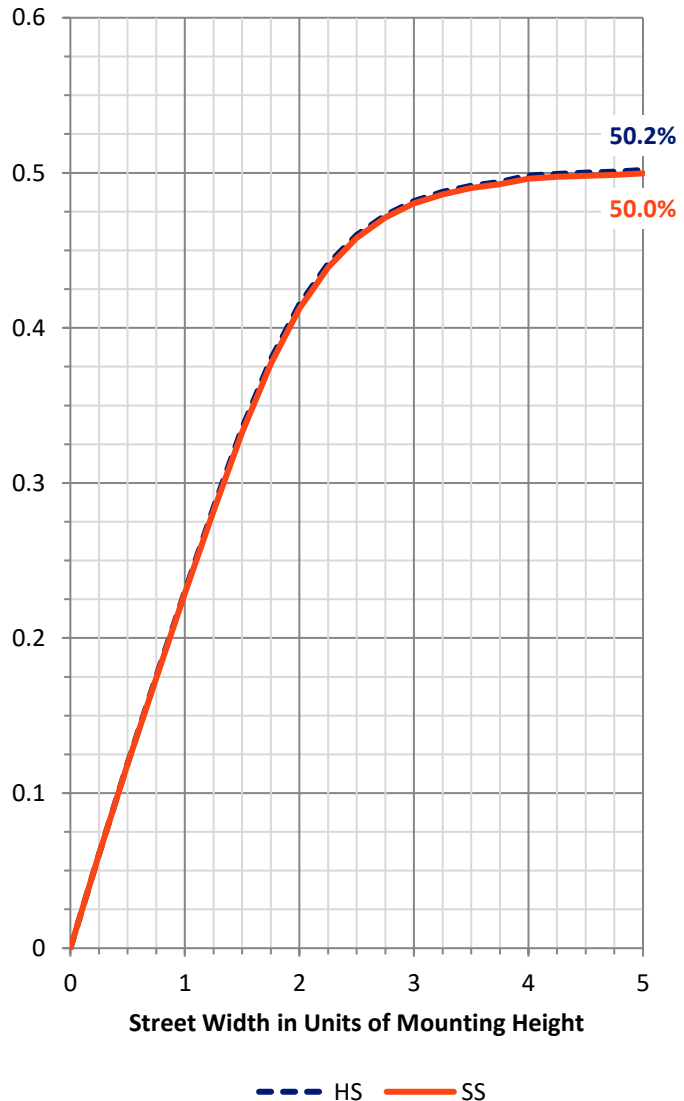
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7192.9	0.0	7192.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7192.9	0.0	7192.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	14385.8	0.0	14385.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.2	0.7
10°-20°	303.2	2.1
20°-30°	524.8	3.6
30°-40°	872.7	6.1
40°-50°	1574.4	10.9
50°-60°	3507.2	24.4
60°-70°	5226.9	36.3
70°-80°	2166.1	15.1
80°-90°	107.3	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°	14385.8	100.0
0°-180°	14385.8	100.0

Coefficient of Utilization



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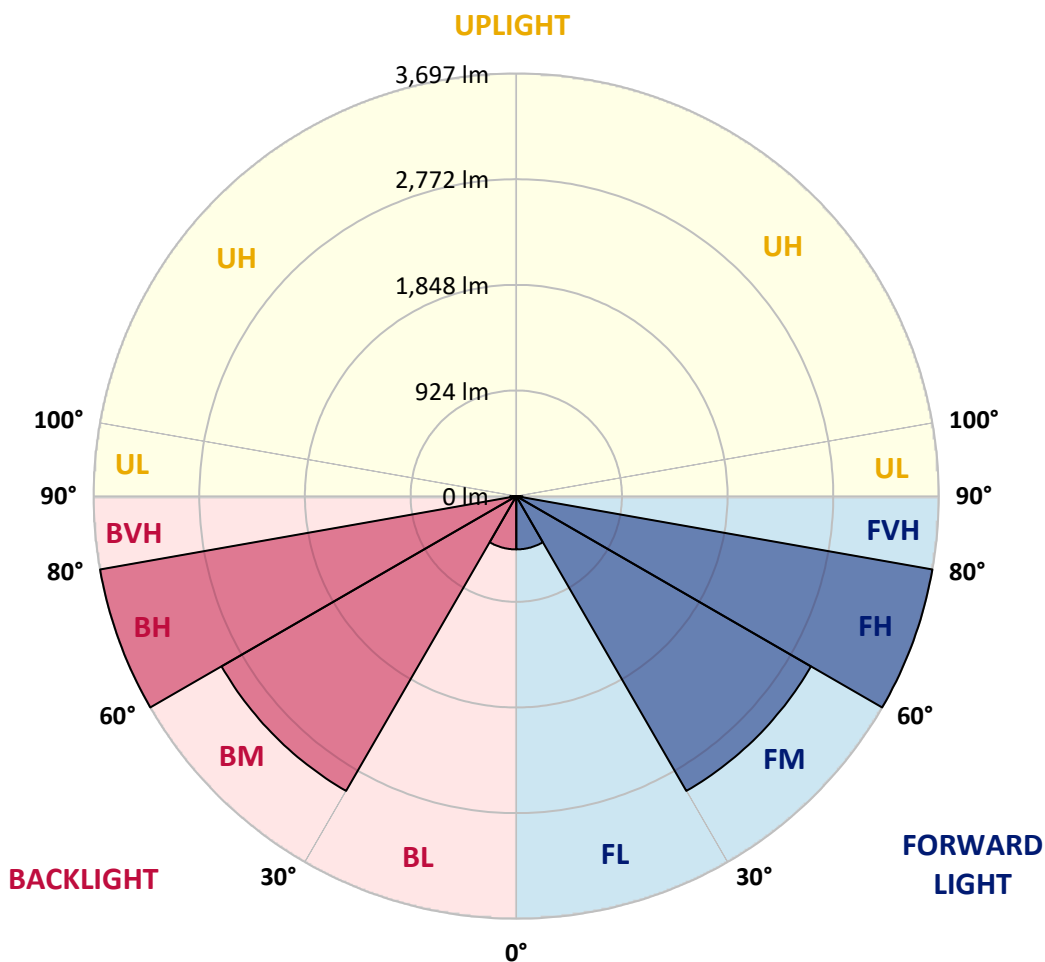
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	465.6	3.2			
FM (30°-60°)	2977.2	20.7			
FH (60°-80°)	3696.5	25.7			G2/5000
FVH (80°-90°)	53.6	0.4			G1/100
BL (0°-30°)	465.6	3.2	B1/500		
BM (30°-60°)	2977.2	20.7	B3/5000		
BH (60°-80°)	3696.5	25.7	B4/5000		G2/5000
BVH (80°-90°)	53.6	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°	1099.9	1099.9	1099.9	1099.9	1099.9	1099.9	1099.9	1099.9	1099.9	1099.9	1099.9
2.5°	1087.2	1090.3	1088.8	1088.8	1093.5	1096.7	1098.3	1114.2	1107.8	1112.6	1107.8
5°	1090.3	1090.3	1093.5	1090.3	1093.5	1090.3	1093.5	1088.8	1093.5	1096.7	1101.5
7.5°	1084.0	1080.8	1076.0	1076.0	1074.5	1071.3	1066.5	1079.2	1072.9	1077.6	1085.6
10°	1085.6	1080.8	1064.9	1068.1	1053.8	1053.8	1057.0	1057.0	1071.3	1087.2	1091.9
12.5°	1085.6	1076.0	1071.3	1050.6	1050.6	1052.2	1060.1	1063.3	1072.9	1079.2	1095.1
15°	1085.6	1080.8	1072.9	1045.8	1052.2	1049.0	1057.0	1057.0	1077.6	1088.8	1096.7
17.5°	1091.9	1095.1	1080.8	1055.4	1057.0	1063.3	1058.6	1063.3	1088.8	1096.7	1107.8
20°	1093.5	1080.8	1076.0	1060.1	1074.5	1071.3	1069.7	1079.2	1087.2	1101.5	1114.2
22.5°	1090.3	1095.1	1076.0	1074.5	1087.2	1093.5	1096.7	1085.6	1095.1	1104.7	1115.8
25°	1117.4	1099.9	1095.1	1091.9	1098.3	1104.7	1101.5	1111.0	1111.0	1122.1	1136.4
27.5°	1190.5	1192.1	1182.5	1144.4	1131.7	1117.4	1123.7	1149.2	1179.4	1203.2	1208.0
30°	1223.9	1230.2	1255.6	1249.3	1244.5	1249.3	1247.7	1254.1	1257.2	1258.8	1254.1
32.5°	1254.1	1250.9	1239.8	1268.4	1362.1	1433.7	1365.3	1271.5	1250.9	1244.5	1250.9
35°	1363.7	1363.7	1339.9	1303.3	1352.6	1370.1	1338.3	1293.8	1319.2	1371.7	1374.9
37.5°	1505.2	1484.5	1494.1	1489.3	1435.3	1397.1	1452.7	1481.3	1486.1	1484.5	1500.4
40°	1589.4	1575.1	1560.8	1586.3	1635.5	1670.5	1621.2	1552.9	1570.4	1605.3	1591.0
42.5°	1781.8	1745.2	1748.4	1722.9	1721.4	1710.2	1699.1	1703.9	1729.3	1769.0	1775.4
45°	1978.8	1996.3	1985.2	1937.5	1959.8	1959.8	1928.0	1951.8	1964.5	2010.6	2017.0
47.5°	2287.2	2279.2	2284.0	2241.1	2239.5	2250.6	2239.5	2241.1	2280.8	2277.7	2260.2
50°	2648.0	2670.2	2676.6	2655.9	2630.5	2625.7	2608.3	2630.5	2654.3	2655.9	2641.6
52.5°	3147.1	3170.9	3170.9	3177.3	3209.1	3193.2	3190.0	3191.6	3145.5	3113.7	3129.6
55°	3776.5	3784.4	3811.5	3867.1	3964.0	3976.8	3916.4	3889.3	3805.1	3754.2	3794.0
57.5°	4398.0	4429.7	4504.4	4649.1	4768.3	4898.6	4723.8	4545.8	4380.5	4299.4	4313.7
60°	4914.5	4960.6	5103.7	5305.5	5636.1	5755.3	5459.7	5154.5	4819.2	4571.2	4671.3
62.5°	5157.7	5229.2	5350.0	5758.5	6254.4	6426.1	5992.2	5437.4	4928.8	4690.4	4685.6
64°	5159.3	5170.4	5412.0	5852.3	6362.5	6694.7	6120.9	5437.4	4955.8	4661.8	4715.8
65°	5052.8	5098.9	5332.5	5766.5	6294.1	6716.9	6076.4	5362.7	4844.6	4615.7	4641.1
67.5°	4569.6	4568.0	4784.2	5214.9	5947.6	6464.2	5698.1	4944.7	4569.6	4321.7	4351.9
70°	3466.5	3522.2	3728.8	4258.1	5146.6	5699.7	4982.9	4202.5	3735.2	3536.5	3525.4
72.5°	2074.2	2147.3	2411.2	3056.5	3997.4	4669.7	3954.5	3108.9	2546.3	2231.6	2239.5
75°	945.7	999.8	1180.9	1707.0	2663.9	3414.1	2679.8	1797.6	1289.0	1088.8	1060.1
77.5°	265.4	298.8	398.9	783.6	1462.3	2047.2	1503.6	866.2	562.7	467.3	457.8
80°	119.2	125.6	141.5	190.7	464.1	902.8	621.5	317.9	211.4	174.8	166.9
82.5°	65.2	69.9	92.2	98.5	131.9	240.0	205.0	149.4	127.2	101.7	98.5
85°	36.6	38.1	52.5	52.5	63.6	69.9	74.7	79.5	77.9	57.2	55.6
87.5°	11.1	12.7	15.9	15.9	15.9	15.9	25.4	35.0	38.1	27.0	27.0
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)