

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: P479713

Luminaire Tested: **IFLD-S-SA2C-740-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479713
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-740-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

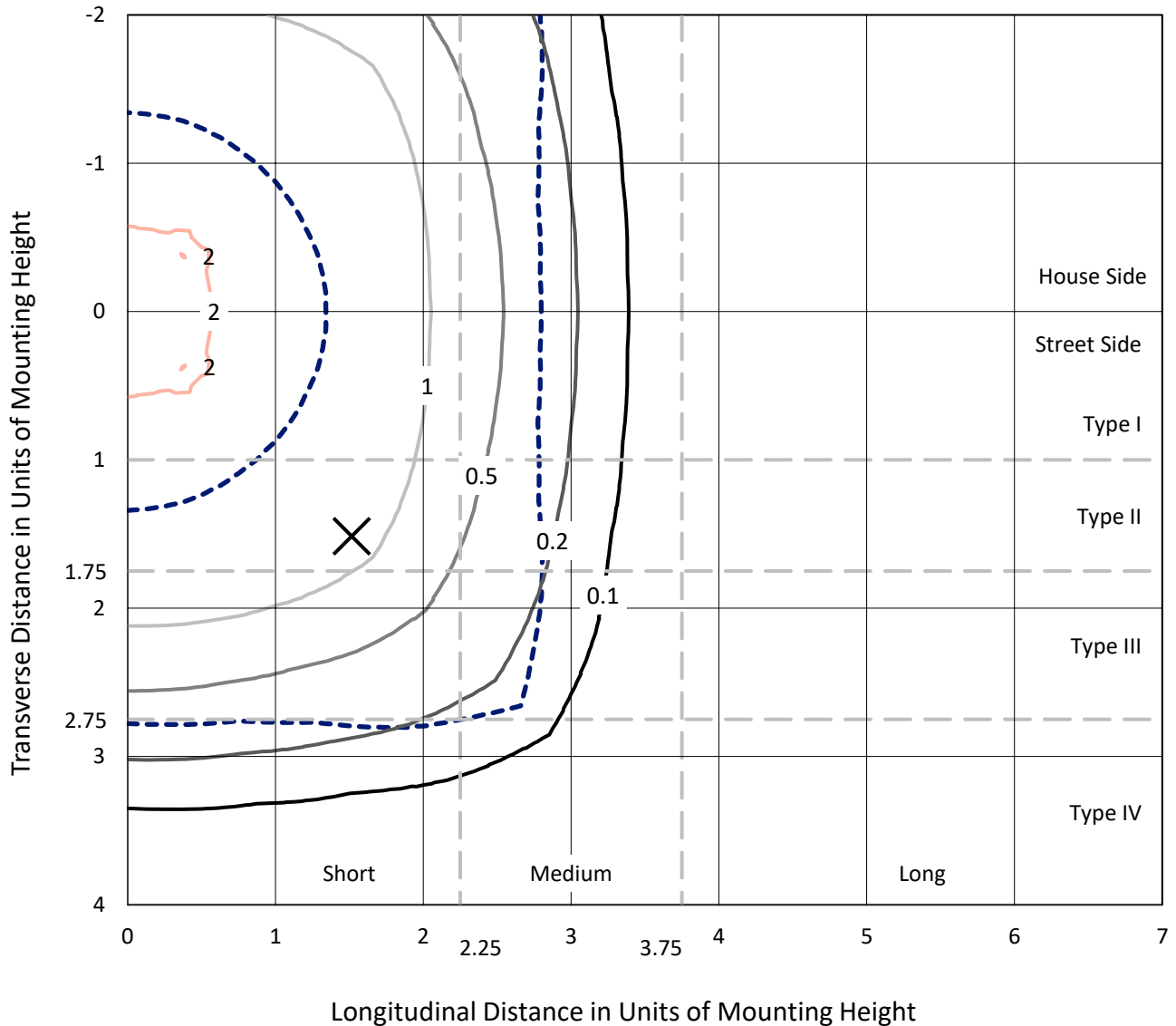
Lumens per Lamp: N/A
Luminaire Lumens: 14585.7 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

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

REPORT NUMBER: P479713
 CATALOG NUMBER: IFLD-S-SA2C-740-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

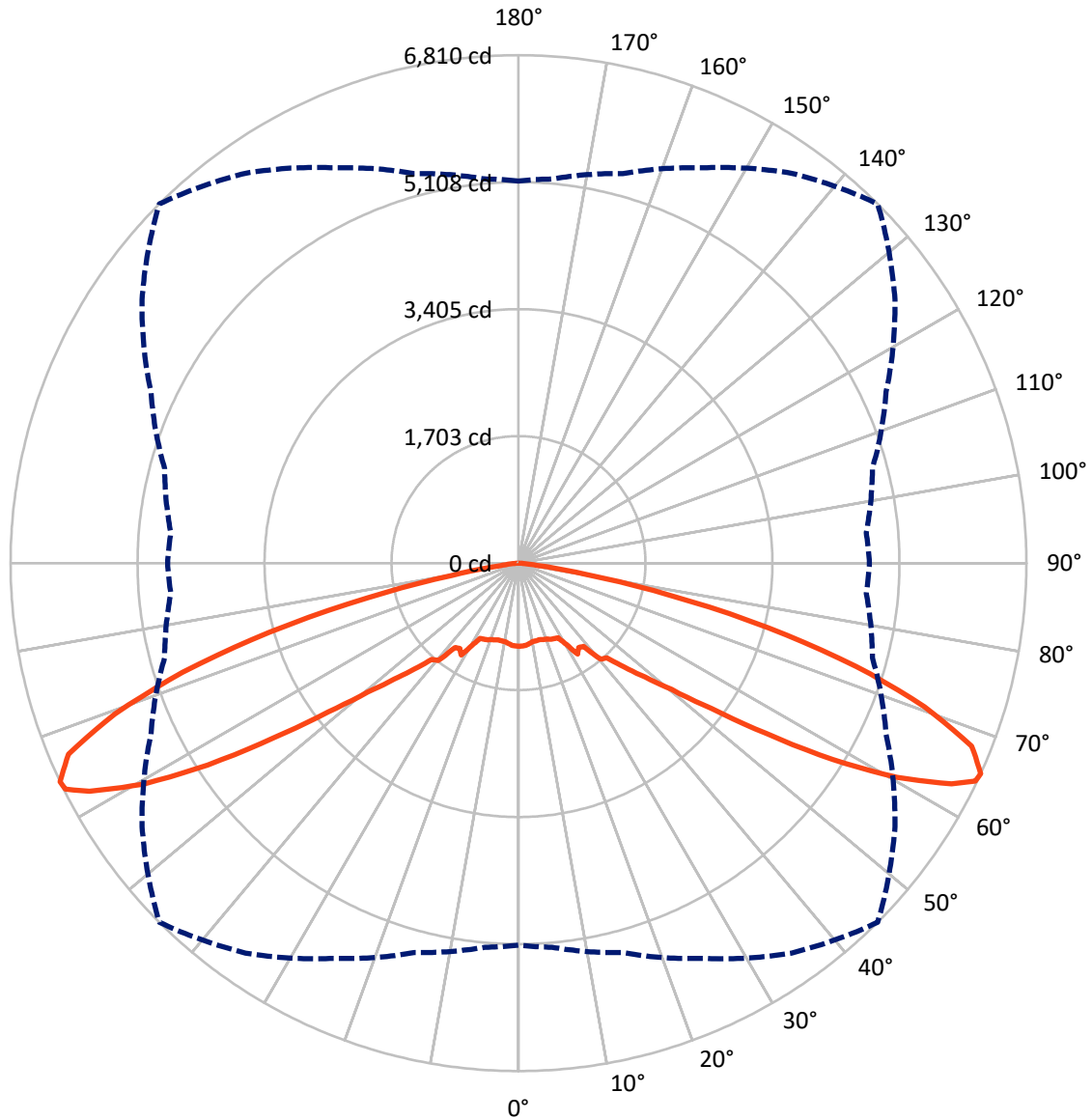
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.8 fc
 Type V - Short - N/A

REPORT NUMBER: P479713
CATALOG NUMBER: IFLD-S-SA2C-740-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P479713

CATALOG NUMBER: IFLD-S-SA2C-740-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7292.8	0.0	7292.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7292.8	0.0	7292.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	14585.7	0.0	14585.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.7	0.7
10°-20°	307.4	2.1
20°-30°	532.1	3.6
30°-40°	884.8	6.1
40°-50°	1596.3	10.9
50°-60°	3556.0	24.4
60°-70°	5299.5	36.3
70°-80°	2196.2	15.1
80°-90°	108.8	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°	14585.7	100.0
0°-180°	14585.7	100.0

Coefficient of Utilization



REPORT NUMBER: P479713

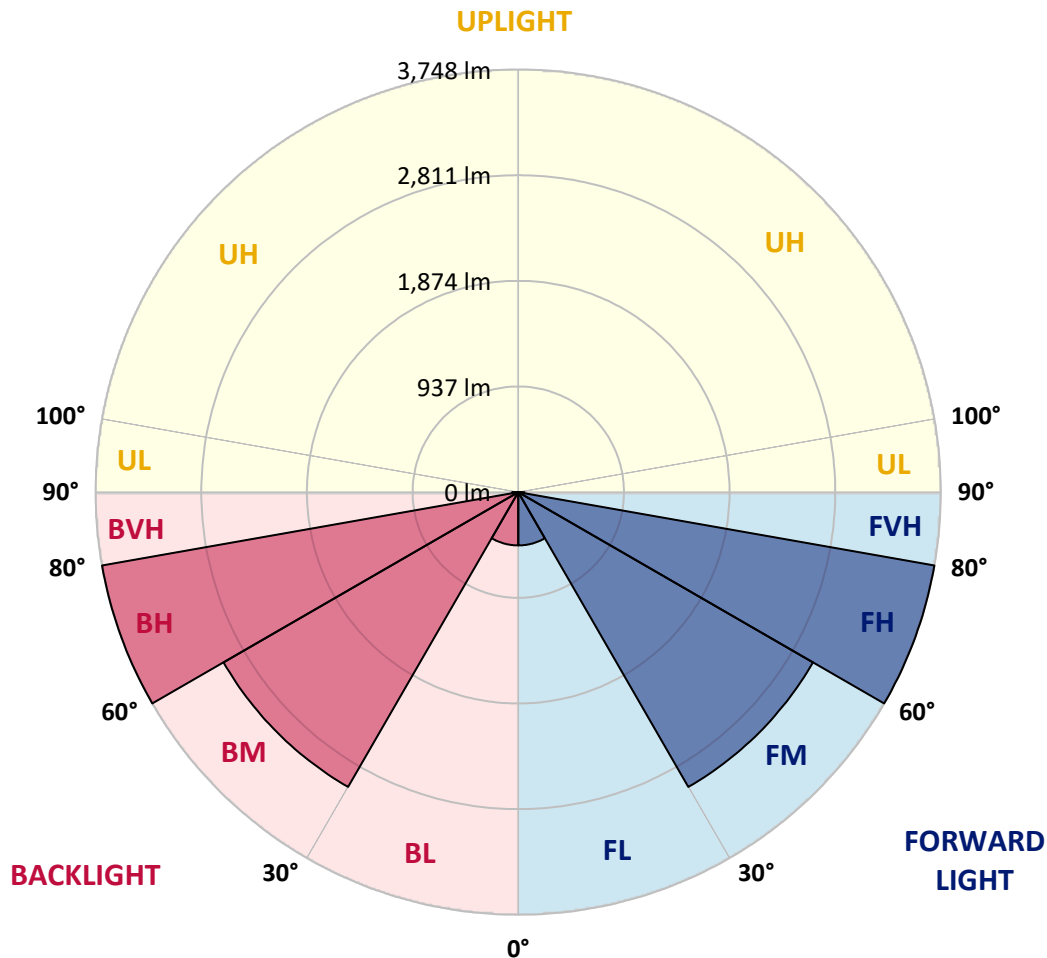
CATALOG NUMBER: IFLD-S-SA2C-740-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	472.1	3.2			
FM (30°-60°)	3018.5	20.7			
FH (60°-80°)	3747.9	25.7			G2/5000
FVH (80°-90°)	54.4	0.4			G1/100
BL (0°-30°)	472.1	3.2	B1/500		
BM (30°-60°)	3018.5	20.7	B3/5000		
BH (60°-80°)	3747.9	25.7	B4/5000		G2/5000
BVH (80°-90°)	54.4	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





REPORT NUMBER: P479713
 CATALOG NUMBER: IFLD-S-SA2C-740-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1115.2	1115.2	1115.2	1115.2	1115.2	1115.2	1115.2	1115.2	1115.2	1115.2	1115.2
2.5°	1102.3	1105.5	1103.9	1103.9	1108.7	1111.9	1113.6	1129.7	1123.2	1128.1	1123.2
5°	1105.5	1105.5	1108.7	1105.5	1108.7	1105.5	1108.7	1103.9	1108.7	1111.9	1116.8
7.5°	1099.0	1095.8	1091.0	1091.0	1089.4	1086.2	1081.3	1094.2	1087.8	1092.6	1100.7
10°	1100.7	1095.8	1079.7	1082.9	1068.4	1068.4	1071.7	1071.7	1086.2	1102.3	1107.1
12.5°	1100.7	1091.0	1086.2	1065.2	1065.2	1066.8	1074.9	1078.1	1087.8	1094.2	1110.3
15°	1100.7	1095.8	1087.8	1060.4	1066.8	1063.6	1071.7	1071.7	1092.6	1103.9	1111.9
17.5°	1107.1	1110.3	1095.8	1070.0	1071.7	1078.1	1073.3	1078.1	1103.9	1111.9	1123.2
20°	1108.7	1095.8	1091.0	1074.9	1089.4	1086.2	1084.5	1094.2	1102.3	1116.8	1129.7
22.5°	1105.5	1110.3	1091.0	1089.4	1102.3	1108.7	1111.9	1100.7	1110.3	1120.0	1131.3
25°	1132.9	1115.2	1110.3	1107.1	1113.6	1120.0	1116.8	1126.4	1126.4	1137.7	1152.2
27.5°	1207.0	1208.6	1199.0	1160.3	1147.4	1132.9	1139.3	1165.1	1195.7	1219.9	1224.7
30°	1240.9	1247.3	1273.1	1266.6	1261.8	1266.6	1265.0	1271.5	1274.7	1276.3	1271.5
32.5°	1271.5	1268.3	1257.0	1286.0	1381.1	1453.6	1384.3	1289.2	1268.3	1261.8	1268.3
35°	1382.7	1382.7	1358.5	1321.4	1371.4	1389.1	1356.9	1311.8	1337.6	1390.7	1394.0
37.5°	1526.1	1505.1	1514.8	1510.0	1455.2	1416.5	1472.9	1501.9	1506.8	1505.1	1521.3
40°	1611.5	1597.0	1582.5	1608.3	1658.2	1693.7	1643.7	1574.4	1592.2	1627.6	1613.1
42.5°	1806.5	1769.4	1772.7	1746.9	1745.3	1734.0	1722.7	1727.5	1753.3	1793.6	1800.1
45°	2006.3	2024.1	2012.8	1964.4	1987.0	1987.0	1954.8	1978.9	1991.8	2038.6	2045.0
47.5°	2319.0	2310.9	2315.7	2272.2	2270.6	2281.9	2270.6	2272.2	2312.5	2309.3	2291.6
50°	2684.8	2707.3	2713.8	2692.8	2667.0	2662.2	2644.5	2667.0	2691.2	2692.8	2678.3
52.5°	3190.8	3215.0	3215.0	3221.4	3253.6	3237.5	3234.3	3235.9	3189.2	3156.9	3173.1
55°	3828.9	3837.0	3864.4	3920.8	4019.1	4032.0	3970.8	3943.4	3857.9	3806.4	3846.7
57.5°	4459.0	4491.3	4567.0	4713.7	4834.5	4966.7	4789.4	4608.9	4441.3	4359.1	4373.6
60°	4982.8	5029.5	5174.6	5379.2	5714.4	5835.3	5535.5	5226.1	4886.1	4634.7	4736.2
62.5°	5229.3	5301.9	5424.3	5838.5	6341.3	6515.3	6075.4	5513.0	4997.3	4755.6	4750.7
64°	5231.0	5242.2	5487.2	5933.6	6450.9	6787.7	6205.9	5513.0	5024.7	4726.6	4781.3
65°	5123.0	5169.7	5406.6	5846.5	6381.6	6810.2	6160.8	5437.2	4911.9	4679.8	4705.6
67.5°	4633.1	4631.5	4850.6	5287.4	6030.3	6554.0	5777.3	5013.4	4633.1	4381.7	4412.3
70°	3514.7	3571.1	3780.6	4317.2	5218.1	5778.9	5052.1	4260.8	3787.0	3585.6	3574.3
72.5°	2103.0	2177.1	2444.7	3098.9	4052.9	4734.6	4009.4	3152.1	2581.6	2262.6	2270.6
75°	958.8	1013.6	1197.4	1730.8	2700.9	3461.5	2717.0	1822.6	1306.9	1103.9	1074.9
77.5°	269.1	303.0	404.5	794.5	1482.6	2075.6	1524.5	878.3	570.5	473.8	464.1
80°	120.9	127.3	143.4	193.4	470.6	915.3	630.1	322.3	214.3	177.3	169.2
82.5°	66.1	70.9	93.5	99.9	133.8	243.3	207.9	151.5	128.9	103.1	99.9
85°	37.1	38.7	53.2	53.2	64.5	70.9	75.7	80.6	79.0	58.0	56.4
87.5°	11.3	12.9	16.1	16.1	16.1	16.1	25.8	35.5	38.7	27.4	27.4
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)