

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: P479637

Luminaire Tested: **IFLD-S-SA2E-730-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479637
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2E-730-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

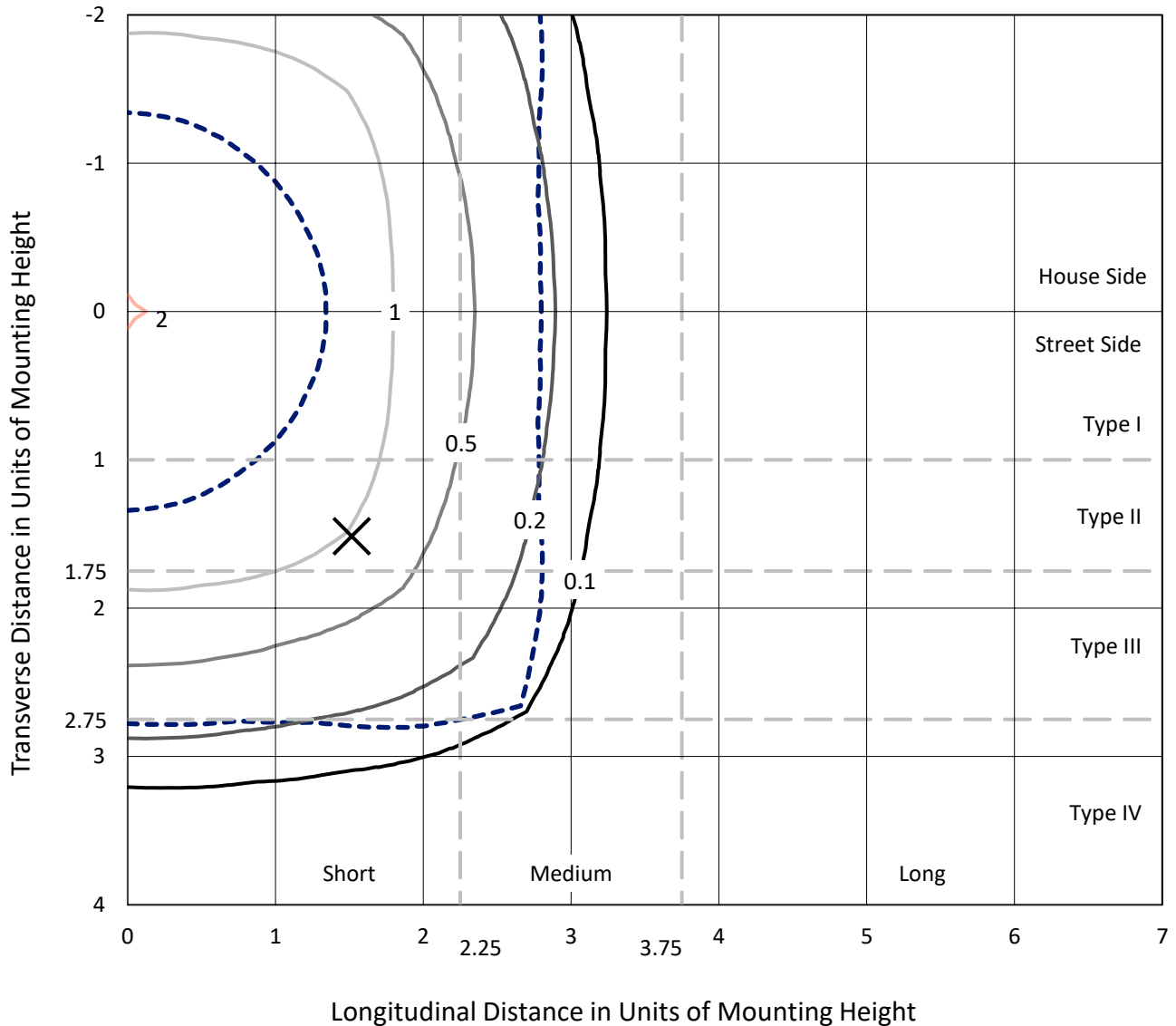
Lumens per Lamp: N/A
Luminaire Lumens: 16912.9 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 156.2
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: P479637
 CATALOG NUMBER: IFLD-S-SA2E-730-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

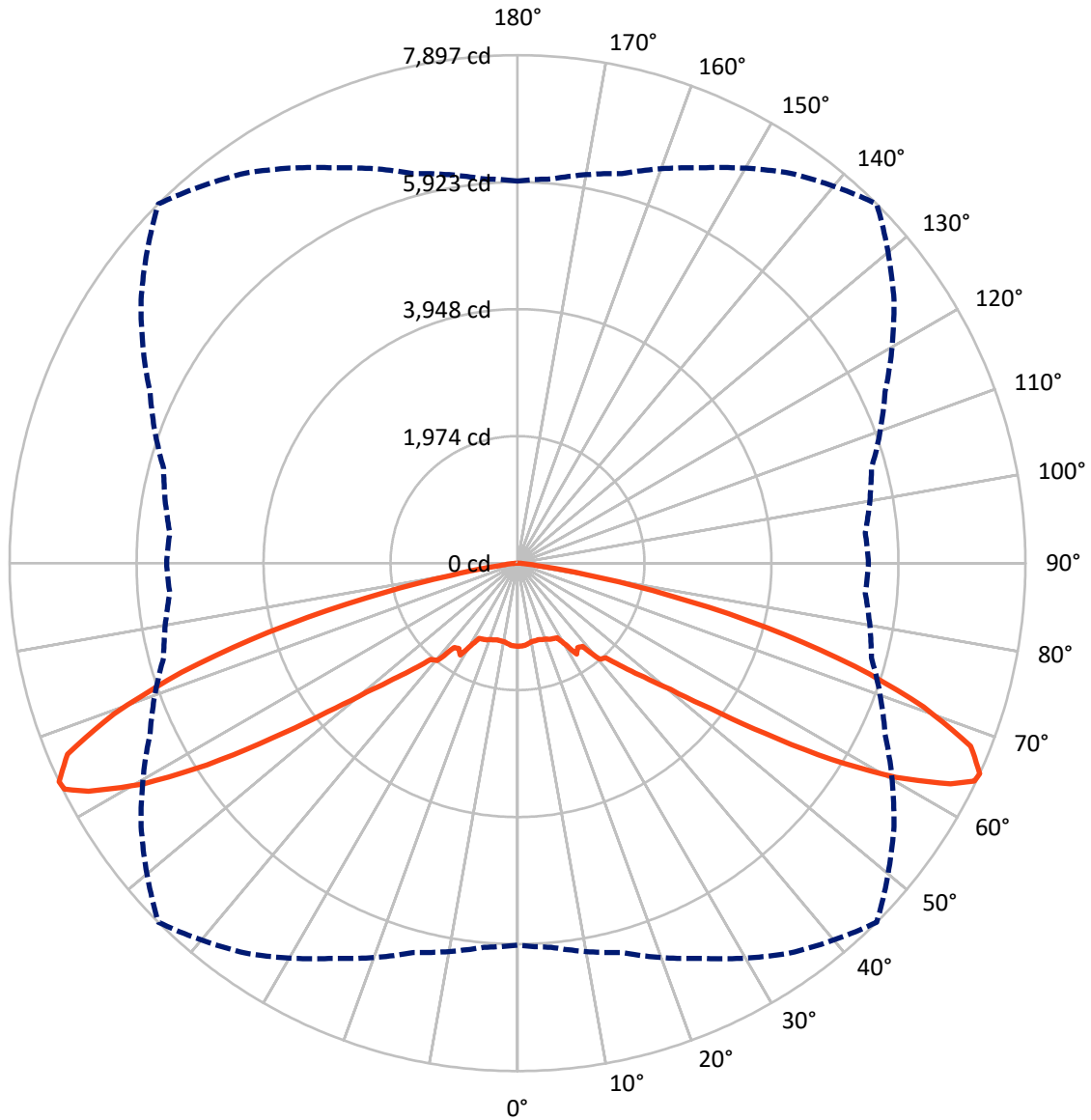
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type V - Short - N/A

REPORT NUMBER: P479637
CATALOG NUMBER: IFLD-S-SA2E-730-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P479637

CATALOG NUMBER: IFLD-S-SA2E-730-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8456.5	0.0	8456.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8456.5	0.0	8456.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	16912.9	0.0	16912.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.3	0.7
10°-20°	356.5	2.1
20°-30°	617.0	3.6
30°-40°	1025.9	6.1
40°-50°	1851.0	10.9
50°-60°	4123.3	24.4
60°-70°	6145.1	36.3
70°-80°	2546.6	15.1
80°-90°	126.1	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°	16912.9	100.0
0°-180°	16912.9	100.0

Coefficient of Utilization



REPORT NUMBER: P479637

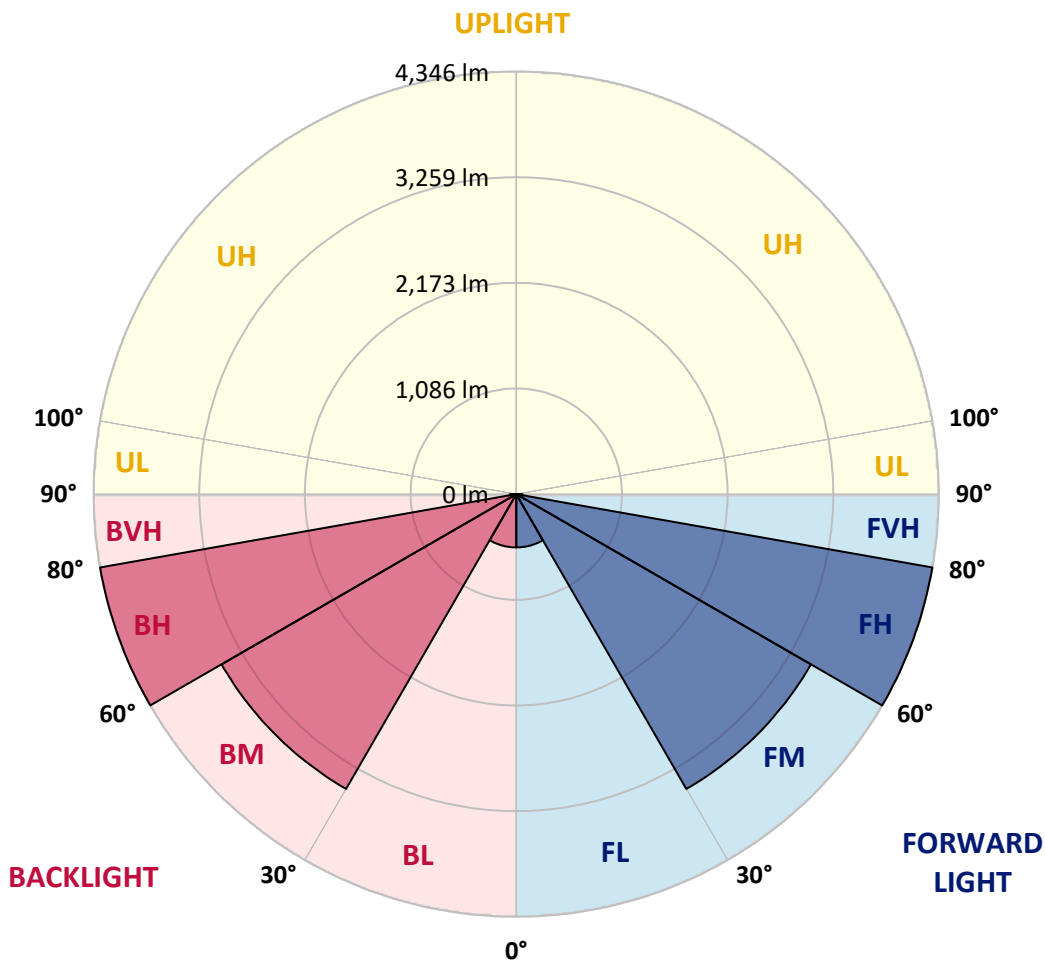
CATALOG NUMBER: IFLD-S-SA2E-730-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	547.4	3.2			
FM (30°-60°)	3500.1	20.7			
FH (60°-80°)	4345.9	25.7			G2/5000
FVH (80°-90°)	63.1	0.4			G1/100
BL (0°-30°)	547.4	3.2	B2/1000		
BM (30°-60°)	3500.1	20.7	B3/5000		
BH (60°-80°)	4345.9	25.7	B4/5000		G2/5000
BVH (80°-90°)	63.1	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: P479637
 CATALOG NUMBER: IFLD-S-SA2E-730-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1293.1	1293.1	1293.1	1293.1	1293.1	1293.1	1293.1	1293.1	1293.1	1293.1	1293.1
2.5°	1278.1	1281.9	1280.0	1280.0	1285.6	1289.4	1291.2	1309.9	1302.4	1308.0	1302.4
5°	1281.9	1281.9	1285.6	1281.9	1285.6	1281.9	1285.6	1280.0	1285.6	1289.4	1295.0
7.5°	1274.4	1270.7	1265.1	1265.1	1263.2	1259.5	1253.9	1268.8	1261.3	1266.9	1276.3
10°	1276.3	1270.7	1252.0	1255.7	1238.9	1238.9	1242.6	1242.6	1259.5	1278.1	1283.8
12.5°	1276.3	1265.1	1259.5	1235.2	1235.2	1237.0	1246.4	1250.1	1261.3	1268.8	1287.5
15°	1276.3	1270.7	1261.3	1229.6	1237.0	1233.3	1242.6	1242.6	1266.9	1280.0	1289.4
17.5°	1283.8	1287.5	1270.7	1240.8	1242.6	1250.1	1244.5	1250.1	1280.0	1289.4	1302.4
20°	1285.6	1270.7	1265.1	1246.4	1263.2	1259.5	1257.6	1268.8	1278.1	1295.0	1309.9
22.5°	1281.9	1287.5	1265.1	1263.2	1278.1	1285.6	1289.4	1276.3	1287.5	1298.7	1311.8
25°	1313.7	1293.1	1287.5	1283.8	1291.2	1298.7	1295.0	1306.2	1306.2	1319.3	1336.1
27.5°	1399.6	1401.5	1390.3	1345.4	1330.5	1313.7	1321.1	1351.0	1386.5	1414.6	1420.2
30°	1438.9	1446.3	1476.2	1468.7	1463.1	1468.7	1466.9	1474.4	1478.1	1480.0	1474.4
32.5°	1474.4	1470.6	1457.5	1491.2	1601.4	1685.5	1605.2	1494.9	1470.6	1463.1	1470.6
35°	1603.3	1603.3	1575.3	1532.3	1590.2	1610.8	1573.4	1521.1	1551.0	1612.6	1616.4
37.5°	1769.6	1745.3	1756.5	1750.9	1687.4	1642.5	1707.9	1741.6	1747.2	1745.3	1764.0
40°	1868.6	1851.8	1835.0	1864.9	1922.8	1963.9	1906.0	1825.7	1846.2	1887.3	1870.5
42.5°	2094.7	2051.8	2055.5	2025.6	2023.7	2010.7	1997.6	2003.2	2033.1	2079.8	2087.3
45°	2326.5	2347.0	2333.9	2277.9	2304.0	2304.0	2266.7	2294.7	2309.6	2363.8	2371.3
47.5°	2689.0	2679.6	2685.2	2634.8	2632.9	2646.0	2632.9	2634.8	2681.5	2677.8	2657.2
50°	3113.2	3139.3	3146.8	3122.5	3092.6	3087.0	3066.4	3092.6	3120.6	3122.5	3105.7
52.5°	3699.9	3727.9	3727.9	3735.4	3772.8	3754.1	3750.4	3752.2	3698.0	3660.7	3679.3
55°	4439.9	4449.2	4481.0	4546.4	4660.4	4675.3	4604.3	4572.6	4473.5	4413.7	4460.4
57.5°	5170.5	5207.9	5295.7	5465.8	5605.9	5759.1	5553.6	5344.3	5150.0	5054.7	5071.5
60°	5777.8	5832.0	6000.2	6237.5	6626.2	6766.3	6418.8	6060.0	5665.7	5374.2	5491.9
62.5°	6063.7	6147.8	6289.8	6770.1	7353.1	7554.9	7044.8	6392.6	5794.6	5514.4	5508.7
64°	6065.6	6078.7	6362.7	6880.3	7480.2	7870.7	7196.1	6392.6	5826.4	5480.7	5544.3
65°	5940.4	5994.6	6269.3	6779.4	7399.8	7896.9	7143.8	6304.8	5695.6	5426.5	5456.4
67.5°	5372.3	5370.5	5624.6	6131.0	6992.4	7599.8	6699.1	5813.3	5372.3	5080.8	5116.3
70°	4075.5	4140.9	4383.8	5006.1	6050.7	6700.9	5858.2	4940.7	4391.3	4157.7	4144.6
72.5°	2438.6	2524.5	2834.7	3593.4	4699.6	5490.1	4649.2	3655.1	2993.6	2623.6	2632.9
75°	1111.8	1175.4	1388.4	2006.9	3131.8	4013.8	3150.5	2113.4	1515.5	1280.0	1246.4
77.5°	312.1	351.3	469.0	921.2	1719.1	2406.8	1767.7	1018.4	661.5	549.4	538.2
80°	140.1	147.6	166.3	224.2	545.6	1061.4	730.6	373.7	248.5	205.6	196.2
82.5°	76.6	82.2	108.4	115.9	155.1	282.2	241.1	175.7	149.5	119.6	115.9
85°	43.0	44.8	61.7	61.7	74.7	82.2	87.8	93.4	91.6	67.3	65.4
87.5°	13.1	14.9	18.7	18.7	18.7	18.7	29.9	41.1	44.8	31.8	31.8
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)