

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: P479714

Luminaire Tested: **IFLD-S-SA2D-740-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479714
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-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

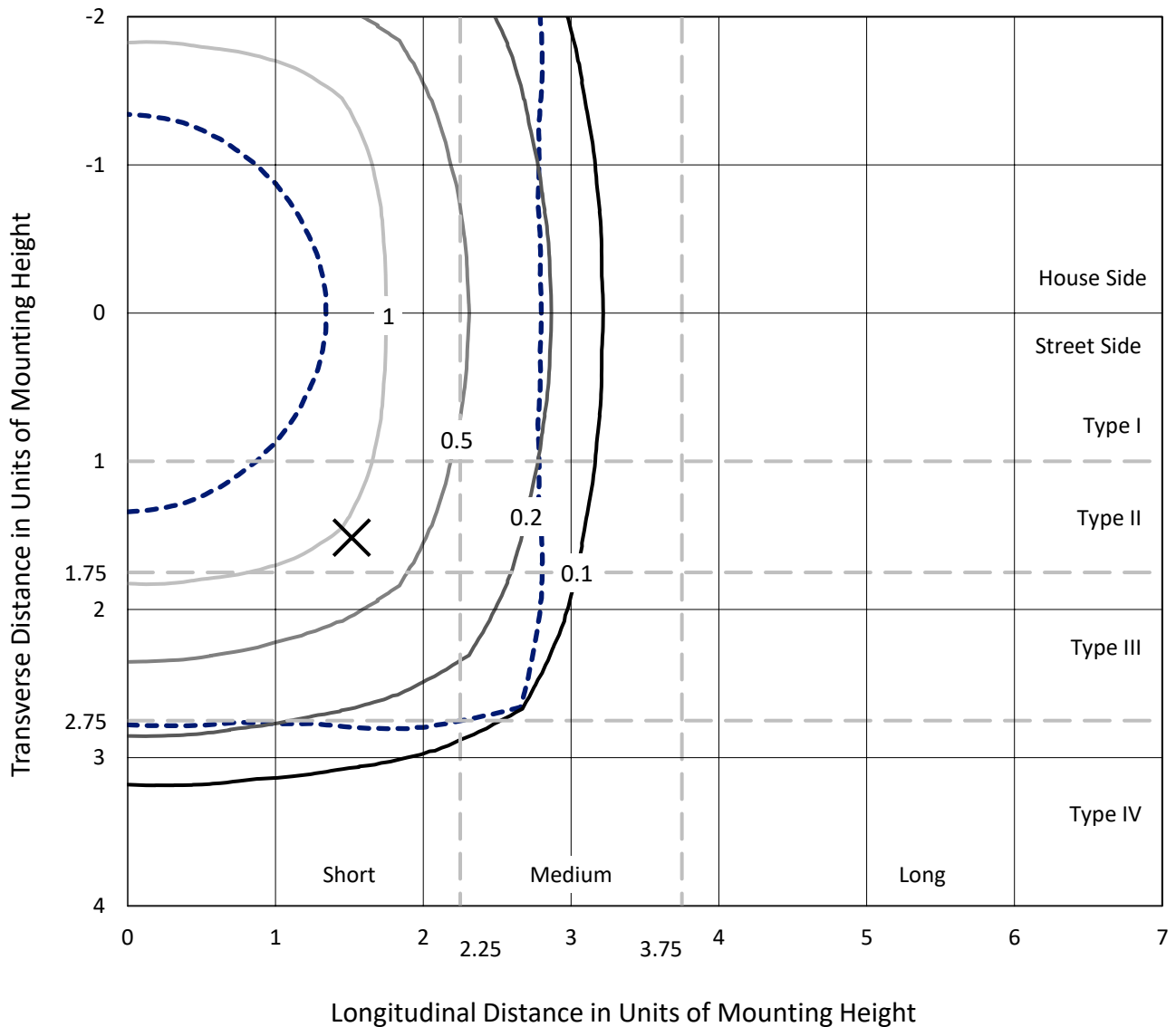
Lumens per Lamp: N/A
Luminaire Lumens: 16049.1 lumens
Efficiency: N/A
Efficacy: 129.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 123.9
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: P479714
 CATALOG NUMBER: IFLD-S-SA2D-740-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

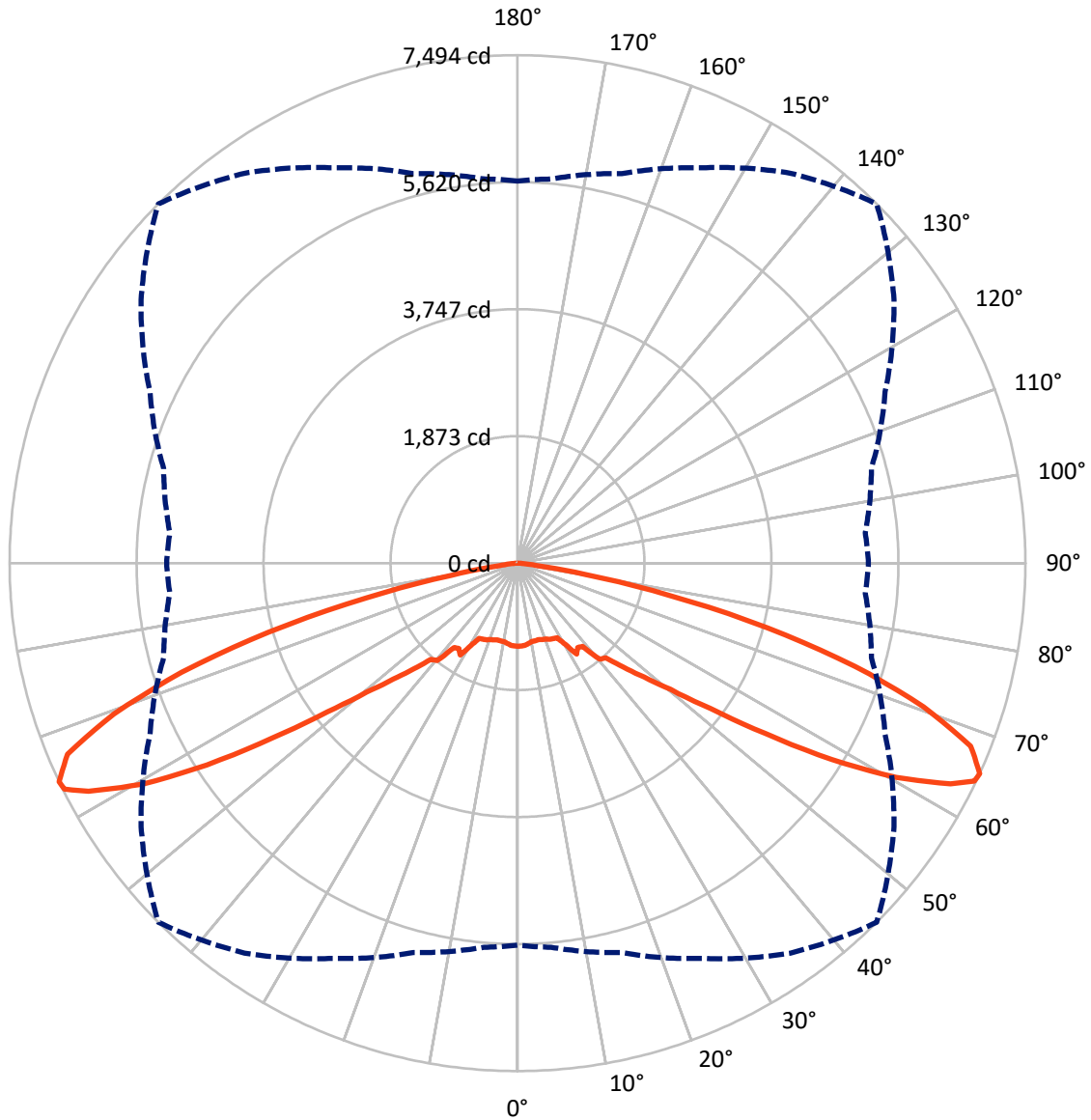
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - N/A

REPORT NUMBER: P479714
CATALOG NUMBER: IFLD-S-SA2D-740-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P479714

CATALOG NUMBER: IFLD-S-SA2D-740-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8024.6	0.0	8024.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8024.6	0.0	8024.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	16049.1	0.0	16049.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.2	0.7
10°-20°	338.3	2.1
20°-30°	585.5	3.6
30°-40°	973.5	6.1
40°-50°	1756.4	10.9
50°-60°	3912.8	24.4
60°-70°	5831.3	36.3
70°-80°	2416.5	15.1
80°-90°	119.7	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°	16049.1	100.0
0°-180°	16049.1	100.0

Coefficient of Utilization



REPORT NUMBER: P479714

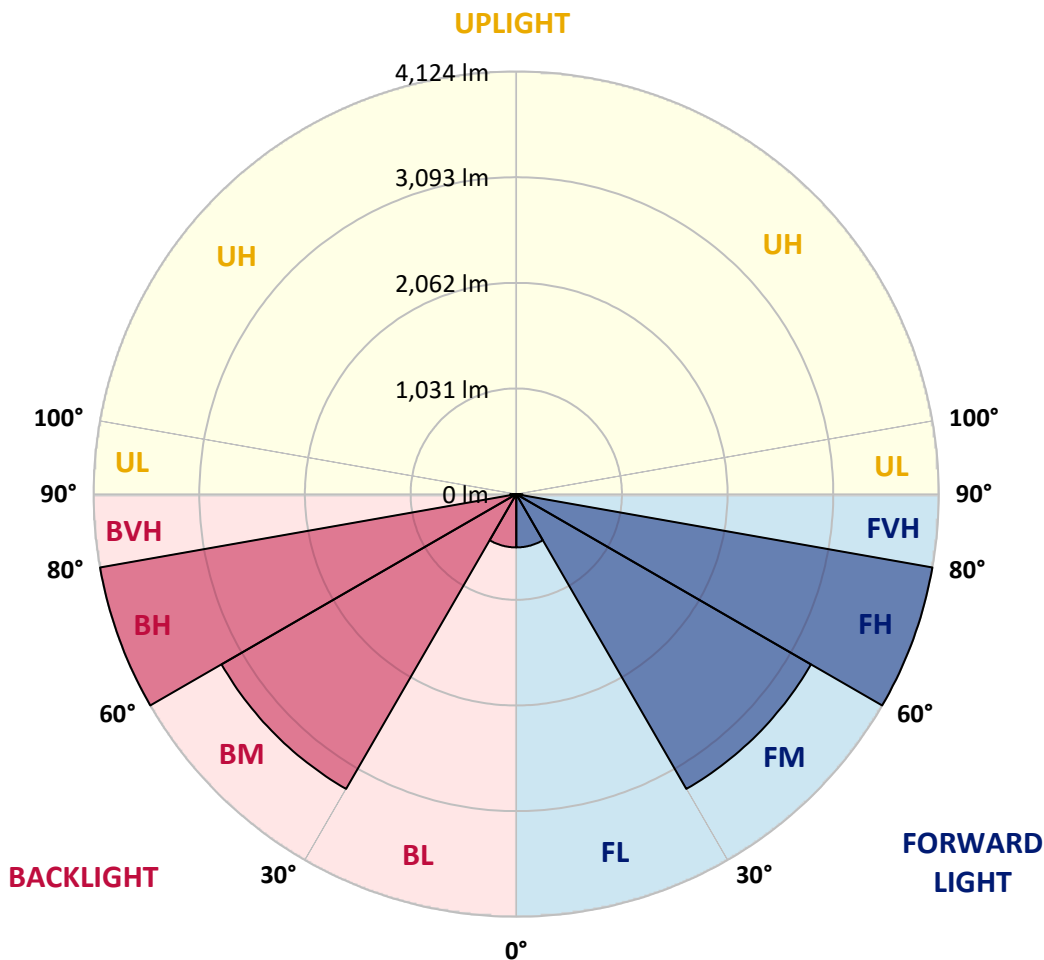
CATALOG NUMBER: IFLD-S-SA2D-740-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	519.4	3.2			
FM (30°-60°)	3321.4	20.7			
FH (60°-80°)	4123.9	25.7			G2/5000
FVH (80°-90°)	59.8	0.4			G1/100
BL (0°-30°)	519.4	3.2	B2/1000		
BM (30°-60°)	3321.4	20.7	B3/5000		
BH (60°-80°)	4123.9	25.7	B4/5000		G2/5000
BVH (80°-90°)	59.8	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: P479714
 CATALOG NUMBER: IFLD-S-SA2D-740-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1227.1	1227.1	1227.1	1227.1	1227.1	1227.1	1227.1	1227.1	1227.1	1227.1	1227.1
2.5°	1212.9	1216.4	1214.6	1214.6	1220.0	1223.5	1225.3	1243.0	1235.9	1241.2	1235.9
5°	1216.4	1216.4	1220.0	1216.4	1220.0	1216.4	1220.0	1214.6	1220.0	1223.5	1228.8
7.5°	1209.3	1205.8	1200.5	1200.5	1198.7	1195.1	1189.8	1204.0	1196.9	1202.2	1211.1
10°	1211.1	1205.8	1188.0	1191.6	1175.6	1175.6	1179.2	1179.2	1195.1	1212.9	1218.2
12.5°	1211.1	1200.5	1195.1	1172.1	1172.1	1173.9	1182.7	1186.3	1196.9	1204.0	1221.7
15°	1211.1	1205.8	1196.9	1166.8	1173.9	1170.3	1179.2	1179.2	1202.2	1214.6	1223.5
17.5°	1218.2	1221.7	1205.8	1177.4	1179.2	1186.3	1181.0	1186.3	1214.6	1223.5	1235.9
20°	1220.0	1205.8	1200.5	1182.7	1198.7	1195.1	1193.4	1204.0	1212.9	1228.8	1243.0
22.5°	1216.4	1221.7	1200.5	1198.7	1212.9	1220.0	1223.5	1211.1	1221.7	1232.4	1244.8
25°	1246.6	1227.1	1221.7	1218.2	1225.3	1232.4	1228.8	1239.5	1239.5	1251.9	1267.8
27.5°	1328.1	1329.9	1319.3	1276.7	1262.5	1246.6	1253.7	1282.0	1315.7	1342.3	1347.6
30°	1365.4	1372.5	1400.8	1393.7	1388.4	1393.7	1392.0	1399.1	1402.6	1404.4	1399.1
32.5°	1399.1	1395.5	1383.1	1415.0	1519.6	1599.4	1523.2	1418.6	1395.5	1388.4	1395.5
35°	1521.4	1521.4	1494.8	1454.0	1509.0	1528.5	1493.0	1443.4	1471.8	1530.3	1533.8
37.5°	1679.2	1656.2	1666.8	1661.5	1601.2	1558.6	1620.7	1652.6	1657.9	1656.2	1673.9
40°	1773.2	1757.2	1741.3	1769.7	1824.6	1863.6	1808.7	1732.4	1751.9	1790.9	1775.0
42.5°	1987.8	1947.0	1950.5	1922.1	1920.4	1908.0	1895.6	1900.9	1929.2	1973.6	1980.7
45°	2207.6	2227.1	2214.7	2161.5	2186.4	2186.4	2150.9	2177.5	2191.7	2243.1	2250.2
47.5°	2551.6	2542.8	2548.1	2500.2	2498.4	2510.9	2498.4	2500.2	2544.5	2541.0	2521.5
50°	2954.2	2979.0	2986.1	2963.0	2934.6	2929.3	2909.8	2934.6	2961.2	2963.0	2947.1
52.5°	3510.9	3537.5	3537.5	3544.6	3580.1	3562.4	3558.8	3560.6	3509.2	3473.7	3491.4
55°	4213.1	4222.0	4252.1	4314.2	4422.4	4436.5	4369.2	4339.0	4245.0	4188.3	4232.6
57.5°	4906.4	4941.9	5025.3	5186.6	5319.6	5465.0	5270.0	5071.4	4886.9	4796.5	4812.5
60°	5482.7	5534.2	5693.7	5918.9	6287.8	6420.8	6090.9	5750.5	5376.3	5099.7	5211.4
62.5°	5754.0	5833.8	5968.6	6424.3	6977.5	7169.0	6685.0	6066.1	5498.7	5232.7	5227.4
64°	5755.8	5768.2	6037.7	6528.9	7098.1	7468.7	6828.6	6066.1	5528.8	5200.8	5261.1
65°	5637.0	5688.4	5949.1	6433.2	7021.9	7493.5	6778.9	5982.8	5404.7	5149.4	5177.7
67.5°	5098.0	5096.2	5337.3	5817.9	6635.3	7211.6	6356.9	5516.4	5098.0	4821.3	4855.0
70°	3867.4	3929.4	4159.9	4750.4	5741.6	6358.7	5559.0	4688.3	4167.0	3945.4	3933.0
72.5°	2314.0	2395.6	2689.9	3409.9	4459.6	5209.7	4411.7	3468.4	2840.7	2489.6	2498.4
75°	1055.1	1115.3	1317.5	1904.4	2971.9	3808.8	2989.6	2005.5	1438.1	1214.6	1182.7
77.5°	296.1	333.4	445.1	874.2	1631.3	2283.9	1677.4	966.4	627.7	521.3	510.7
80°	133.0	140.1	157.8	212.8	517.8	1007.2	693.3	354.6	235.8	195.1	186.2
82.5°	72.7	78.0	102.8	109.9	147.2	267.8	228.7	166.7	141.9	113.5	109.9
85°	40.8	42.6	58.5	58.5	70.9	78.0	83.3	88.7	86.9	63.8	62.1
87.5°	12.4	14.2	17.7	17.7	17.7	17.7	28.4	39.0	42.6	30.1	30.1
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)