

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: P479712

Luminaire Tested: **IFLD-S-SA2B-740-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479712
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-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

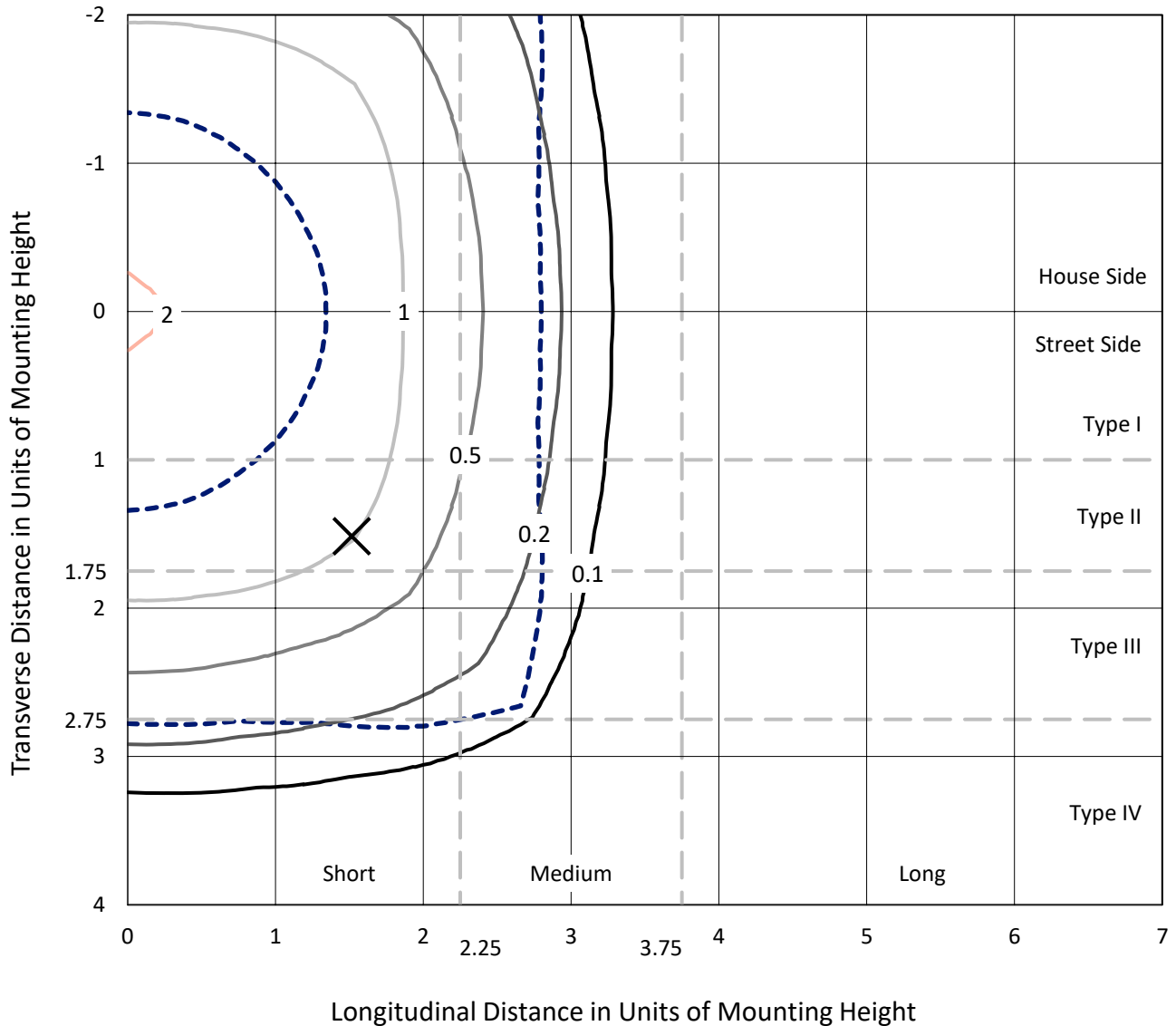
Lumens per Lamp: N/A
Luminaire Lumens: 11716.8 lumens
Efficiency: N/A
Efficacy: 142.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 82.4
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: P479712
 CATALOG NUMBER: IFLD-S-SA2B-740-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

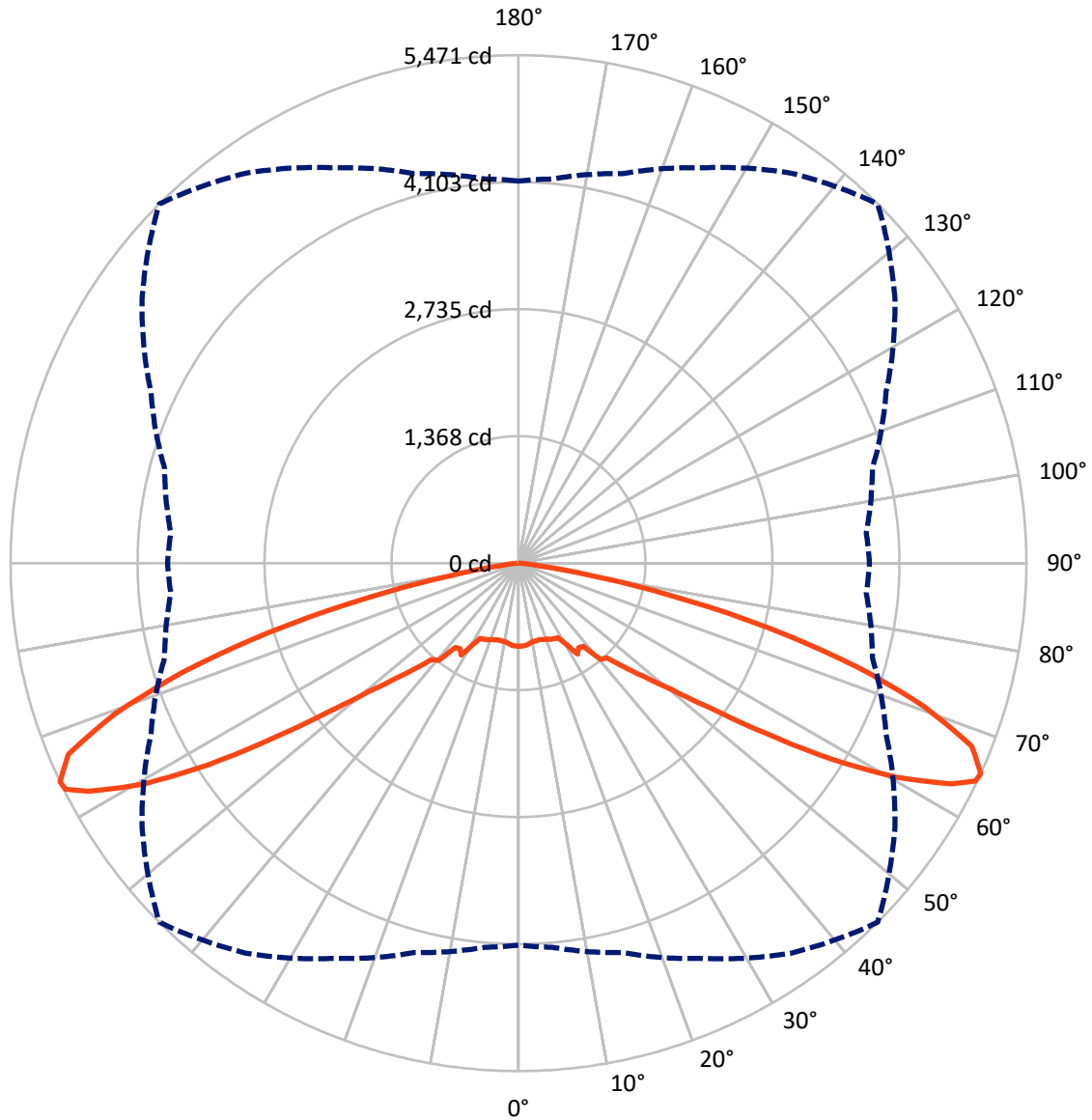
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.2 fc
 Type V - Short - N/A

REPORT NUMBER: P479712
CATALOG NUMBER: IFLD-S-SA2B-740-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P479712

CATALOG NUMBER: IFLD-S-SA2B-740-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5858.4	0.0	5858.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5858.4	0.0	5858.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	11716.8	0.0	11716.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.1	0.7
10°-20°	246.9	2.1
20°-30°	427.4	3.6
30°-40°	710.8	6.1
40°-50°	1282.3	10.9
50°-60°	2856.5	24.4
60°-70°	4257.2	36.3
70°-80°	1764.2	15.1
80°-90°	87.4	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°	11716.8	100.0
0°-180°	11716.8	100.0

Coefficient of Utilization



REPORT NUMBER: P479712

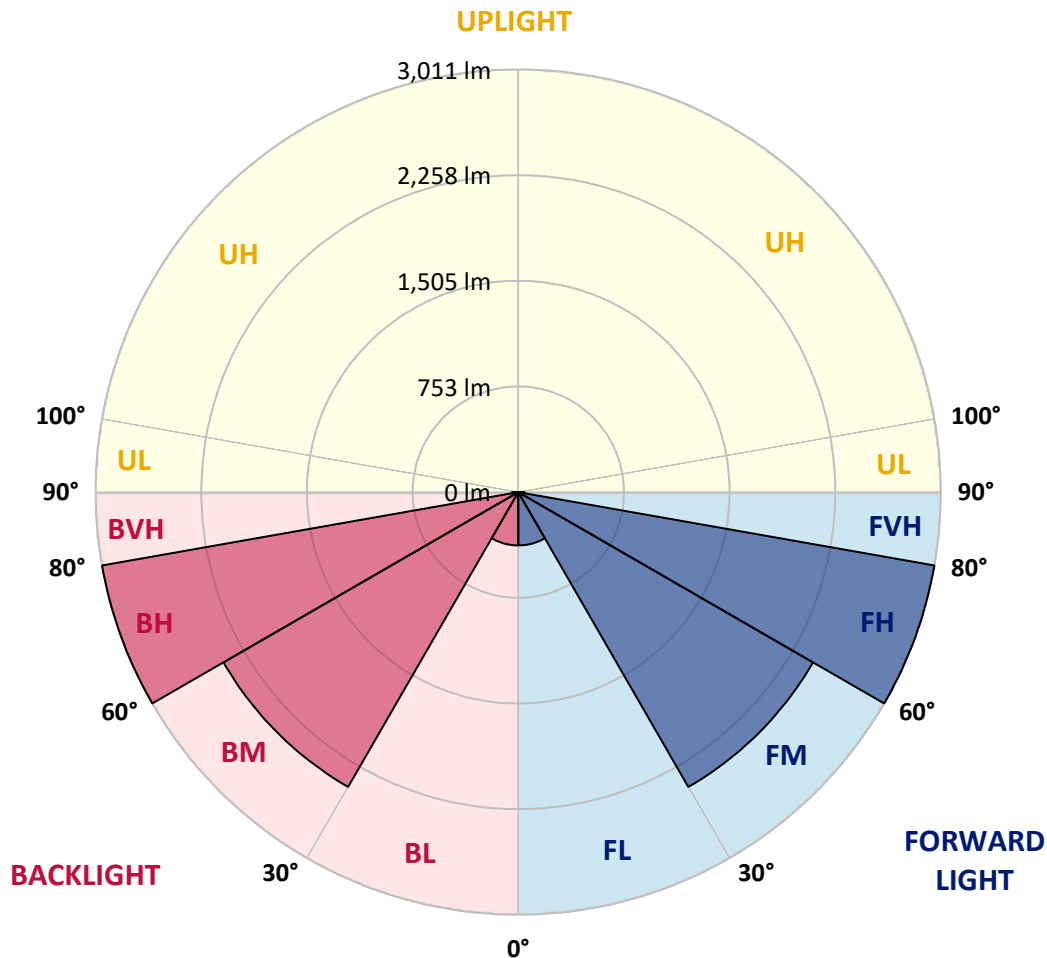
CATALOG NUMBER: IFLD-S-SA2B-740-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	379.2	3.2			
FM (30°-60°)	2424.8	20.7			
FH (60°-80°)	3010.7	25.7			G2/5000
FVH (80°-90°)	43.7	0.4			G1/100
BL (0°-30°)	379.2	3.2	B1/500		
BM (30°-60°)	2424.8	20.7	B2/2500		
BH (60°-80°)	3010.7	25.7	B4/5000		G2/5000
BVH (80°-90°)	43.7	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: P479712
 CATALOG NUMBER: IFLD-S-SA2B-740-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	895.8	895.8	895.8	895.8	895.8	895.8	895.8	895.8	895.8	895.8	895.8
2.5°	885.5	888.1	886.8	886.8	890.6	893.2	894.5	907.5	902.3	906.2	902.3
5°	888.1	888.1	890.6	888.1	890.6	888.1	890.6	886.8	890.6	893.2	897.1
7.5°	882.9	880.3	876.4	876.4	875.1	872.5	868.6	879.0	873.8	877.7	884.2
10°	884.2	880.3	867.3	869.9	858.3	858.3	860.9	860.9	872.5	885.5	889.3
12.5°	884.2	876.4	872.5	855.7	855.7	857.0	863.5	866.0	873.8	879.0	891.9
15°	884.2	880.3	873.8	851.8	857.0	854.4	860.9	860.9	877.7	886.8	893.2
17.5°	889.3	891.9	880.3	859.6	860.9	866.0	862.2	866.0	886.8	893.2	902.3
20°	890.6	880.3	876.4	863.5	875.1	872.5	871.2	879.0	885.5	897.1	907.5
22.5°	888.1	891.9	876.4	875.1	885.5	890.6	893.2	884.2	891.9	899.7	908.8
25°	910.1	895.8	891.9	889.3	894.5	899.7	897.1	904.9	904.9	913.9	925.6
27.5°	969.6	970.9	963.1	932.1	921.7	910.1	915.2	936.0	960.5	980.0	983.9
30°	996.8	1002.0	1022.7	1017.5	1013.6	1017.5	1016.2	1021.4	1024.0	1025.3	1021.4
32.5°	1021.4	1018.8	1009.7	1033.0	1109.4	1167.7	1112.0	1035.6	1018.8	1013.6	1018.8
35°	1110.7	1110.7	1091.3	1061.5	1101.7	1115.9	1090.0	1053.8	1074.5	1117.2	1119.8
37.5°	1225.9	1209.1	1216.9	1213.0	1169.0	1137.9	1183.2	1206.5	1210.4	1209.1	1222.0
40°	1294.5	1282.9	1271.2	1292.0	1332.1	1360.6	1320.4	1264.8	1279.0	1307.5	1295.8
42.5°	1451.2	1421.4	1424.0	1403.3	1402.0	1392.9	1383.9	1387.7	1408.5	1440.8	1446.0
45°	1611.7	1625.9	1616.9	1578.0	1596.2	1596.2	1570.3	1589.7	1600.1	1637.6	1642.8
47.5°	1862.8	1856.4	1860.3	1825.3	1824.0	1833.1	1824.0	1825.3	1857.7	1855.1	1840.8
50°	2156.7	2174.8	2180.0	2163.2	2142.5	2138.6	2124.3	2142.5	2161.9	2163.2	2151.5
52.5°	2563.2	2582.6	2582.6	2587.8	2613.7	2600.7	2598.1	2599.4	2561.9	2536.0	2548.9
55°	3075.8	3082.3	3104.3	3149.6	3228.6	3238.9	3189.7	3167.7	3099.1	3057.7	3090.1
57.5°	3582.0	3607.9	3668.7	3786.5	3883.6	3989.8	3847.4	3702.4	3567.8	3501.7	3513.4
60°	4002.7	4040.3	4156.8	4321.2	4590.4	4687.5	4446.7	4198.2	3925.0	3723.1	3804.7
62.5°	4200.8	4259.0	4357.4	4690.1	5094.0	5233.8	4880.4	4428.6	4014.4	3820.2	3816.3
64°	4202.1	4211.1	4407.9	4766.5	5182.0	5452.6	4985.3	4428.6	4036.4	3796.9	3840.9
65°	4115.3	4152.9	4343.2	4696.6	5126.4	5470.7	4949.0	4367.8	3945.8	3759.3	3780.1
67.5°	3721.8	3720.5	3896.6	4247.4	4844.2	5264.9	4640.9	4027.3	3721.8	3519.9	3544.5
70°	2823.4	2868.7	3037.0	3468.1	4191.7	4642.2	4058.4	3422.8	3042.2	2880.4	2871.3
72.5°	1689.4	1748.9	1963.8	2489.4	3255.8	3803.4	3220.8	2532.1	2073.9	1817.5	1824.0
75°	770.3	814.3	961.8	1390.3	2169.6	2780.7	2182.6	1464.1	1049.9	886.8	863.5
77.5°	216.2	243.4	324.9	638.2	1191.0	1667.4	1224.6	705.5	458.3	380.6	372.8
80°	97.1	102.3	115.2	155.3	378.0	735.3	506.2	258.9	172.2	142.4	135.9
82.5°	53.1	57.0	75.1	80.3	107.4	195.5	167.0	121.7	103.6	82.9	80.3
85°	29.8	31.1	42.7	42.7	51.8	57.0	60.8	64.7	63.4	46.6	45.3
87.5°	9.1	10.4	12.9	12.9	12.9	12.9	20.7	28.5	31.1	22.0	22.0
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)