

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: P524178

Luminaire Tested: **IFLD-S-SA2A-940-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524178
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-940-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (32) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

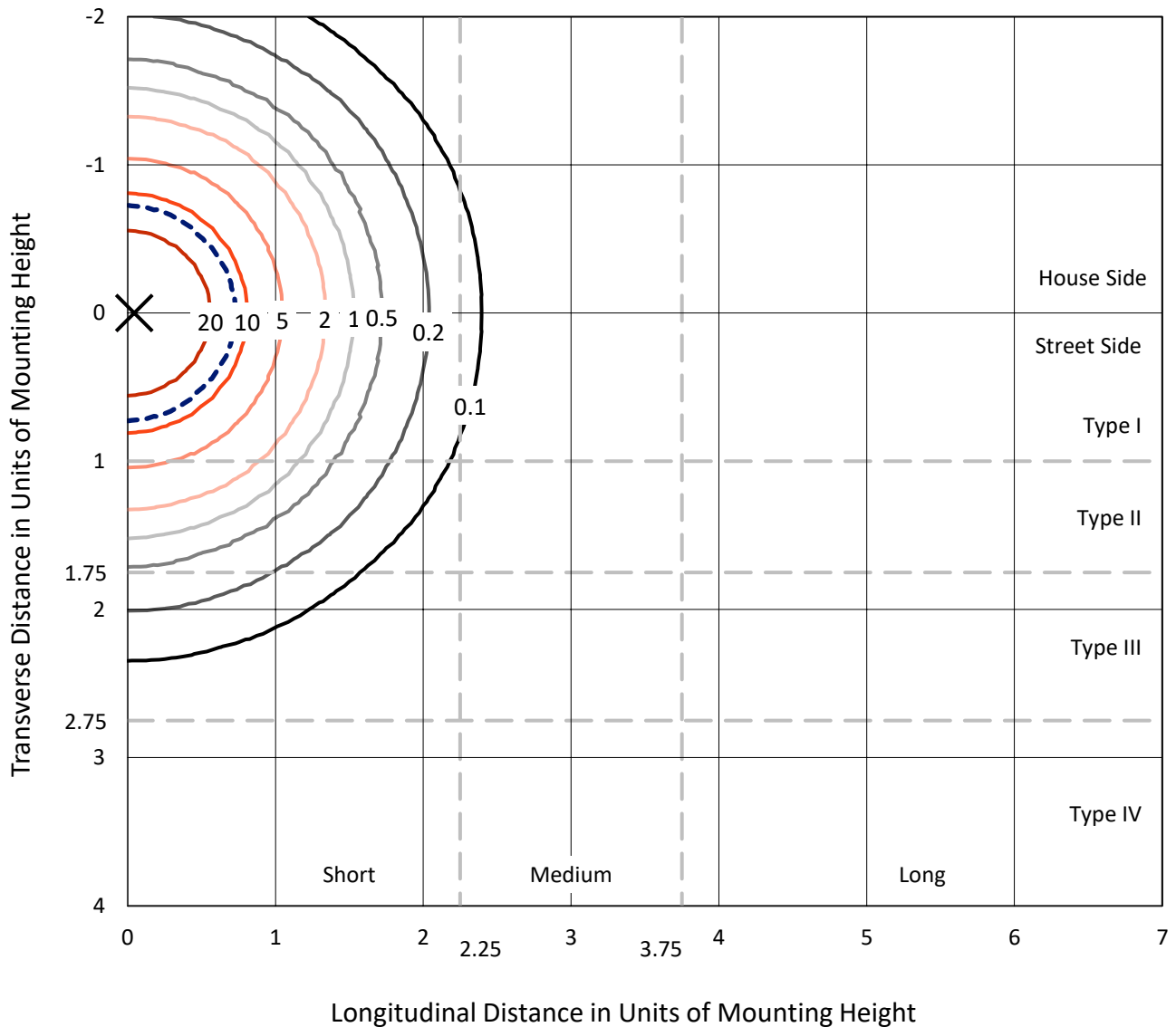
Lumens per Lamp: N/A
Luminaire Lumens: 6921.8 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 63.8
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: P524178
 CATALOG NUMBER: IFLD-S-SA2A-940-U-66

Iso-Footcandle Lines of Horizontal Illumination

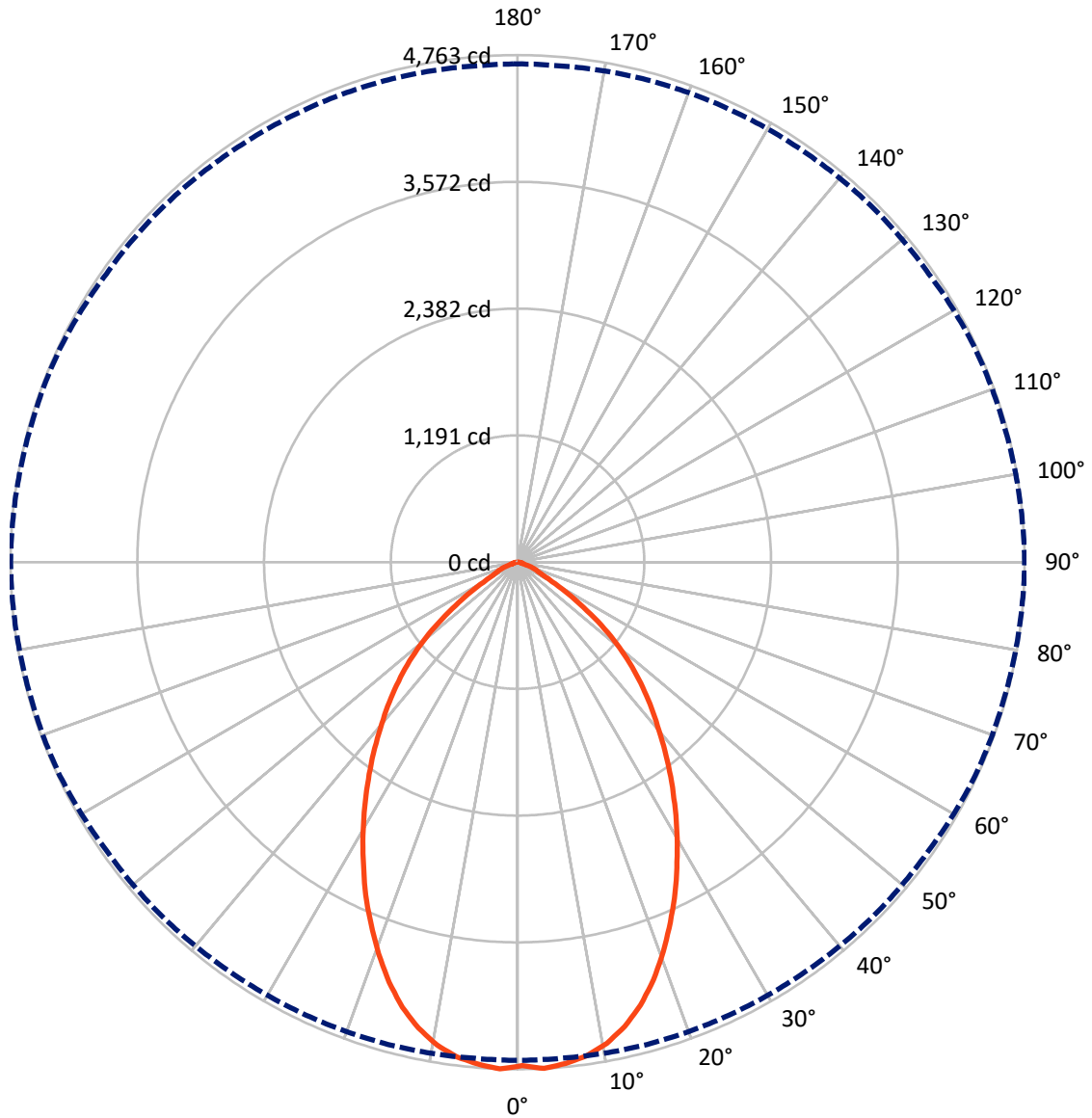
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 47.3 fc
 Type V - Short - N/A

REPORT NUMBER: P524178
CATALOG NUMBER: IFLD-S-SA2A-940-U-66

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

REPORT NUMBER: P524178
 CATALOG NUMBER: IFLD-S-SA2A-940-U-66

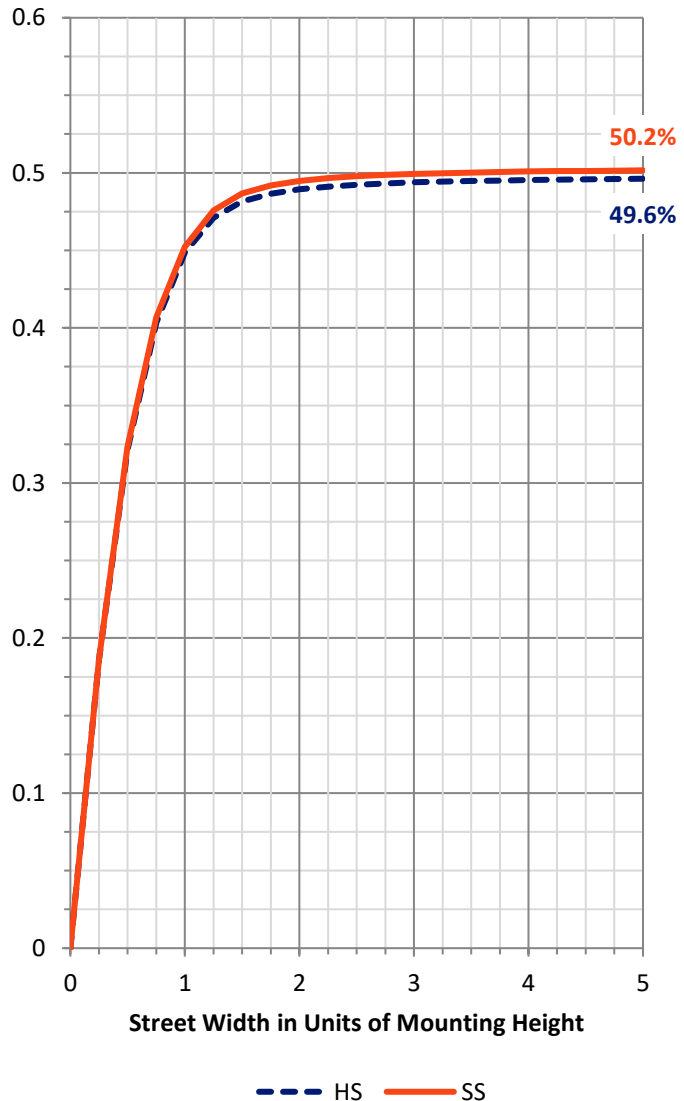
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3460.9	0.0	3460.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3460.9	0.0	3460.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	6921.8	0.0	6921.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.1	6.4
10°-20°	1193.4	17.2
20°-30°	1544.1	22.3
30°-40°	1522.8	22.0
40°-50°	1232.1	17.8
50°-60°	670.8	9.7
60°-70°	212.5	3.1
70°-80°	82.2	1.2
80°-90°	19.7	0.3
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°	6921.8	100.0
0°-180°	6921.8	100.0

Coefficient of Utilization



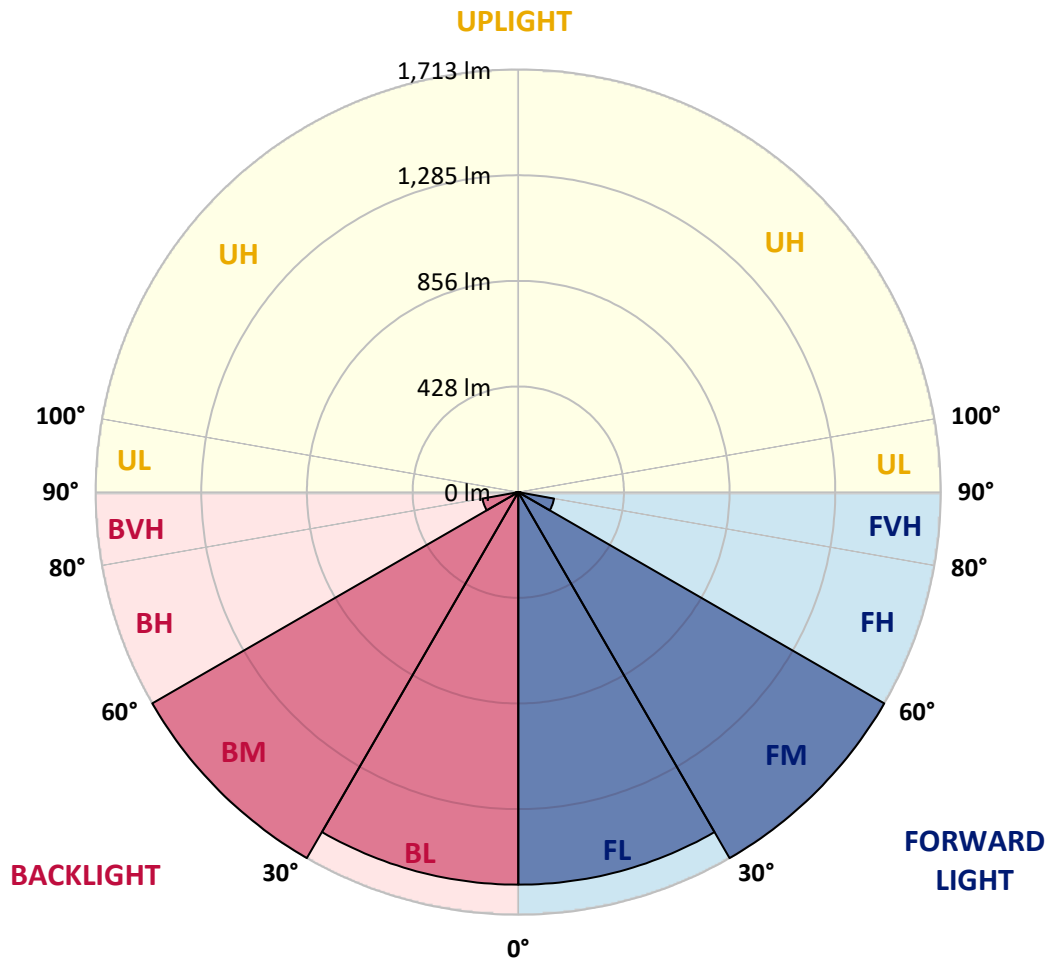
REPORT NUMBER: P524178
 CATALOG NUMBER: IFLD-S-SA2A-940-U-66

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1590.8	23.0			
FM (30°-60°)	1712.8	24.7			
FH (60°-80°)	147.4	2.1			G0/660
FVH (80°-90°)	9.8	0.1			G0/10
BL (0°-30°)	1590.8	23.0	B3/2500		
BM (30°-60°)	1712.8	24.7	B2/2500		
BH (60°-80°)	147.4	2.1	B1/500		G0/660
BVH (80°-90°)	9.8	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





REPORT NUMBER: P524178
 CATALOG NUMBER: IFLD-S-SA2A-940-U-66

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4731.2	4731.2	4731.2	4731.2	4731.2	4731.2	4731.2	4731.2	4731.2	4731.2	4731.2
2.5°	4680.2	4679.2	4691.2	4696.2	4702.2	4714.2	4718.2	4744.2	4747.2	4757.3	4763.3
5°	4672.2	4668.2	4680.2	4682.2	4689.2	4691.2	4697.2	4715.2	4713.2	4728.2	4731.2
7.5°	4629.2	4624.2	4634.2	4636.2	4646.2	4643.2	4653.2	4666.2	4666.2	4677.2	4682.2
10°	4533.2	4532.2	4542.2	4543.2	4557.2	4554.2	4570.2	4573.2	4581.2	4589.2	4598.2
12.5°	4418.2	4405.2	4418.2	4413.2	4432.2	4421.2	4443.2	4450.2	4454.2	4468.2	4475.2
15°	4270.2	4254.2	4263.2	4258.2	4270.2	4256.2	4279.2	4293.2	4298.2	4312.2	4319.2
17.5°	4072.2	4059.2	4061.2	4054.2	4062.2	4051.2	4073.2	4095.2	4102.2	4117.2	4127.2
20°	3823.2	3823.2	3824.2	3818.2	3825.2	3814.2	3828.2	3862.2	3869.2	3889.2	3906.2
22.5°	3580.2	3580.2	3583.2	3575.2	3577.2	3572.2	3587.2	3620.2	3631.2	3652.2	3673.2
25°	3347.2	3343.2	3345.2	3338.2	3330.2	3332.2	3350.2	3371.2	3395.2	3422.2	3438.2
27.5°	3125.2	3130.2	3118.2	3113.2	3107.2	3096.2	3117.2	3143.2	3160.2	3182.2	3190.2
30°	2888.2	2898.2	2889.2	2885.2	2870.2	2856.2	2878.2	2904.2	2921.2	2942.2	2951.2
32.5°	2677.1	2674.1	2666.1	2657.1	2642.1	2631.1	2640.1	2670.1	2683.1	2705.1	2708.1
35°	2451.1	2449.1	2444.1	2426.1	2421.1	2408.1	2416.1	2442.1	2452.1	2465.1	2475.1
37.5°	2230.1	2223.1	2221.1	2214.1	2205.1	2202.1	2202.1	2216.1	2226.1	2239.1	2249.1
40°	2011.1	2013.1	2007.1	2001.1	1998.1	1994.1	1995.1	2003.1	2011.1	2017.1	2023.1
42.5°	1813.1	1802.1	1798.1	1792.1	1795.1	1800.1	1789.1	1801.1	1811.1	1811.1	1824.1
45°	1586.1	1591.1	1593.1	1603.1	1603.1	1598.1	1594.1	1600.1	1610.1	1609.1	1622.1
47.5°	1388.1	1382.1	1387.1	1402.1	1415.1	1417.1	1405.1	1408.1	1411.1	1406.1	1418.1
50°	1171.1	1173.1	1172.1	1195.1	1221.1	1212.1	1203.1	1206.1	1205.1	1205.1	1207.1
52.5°	935.0	940.0	934.0	967.1	995.1	988.1	982.1	982.1	987.1	986.1	985.1
55°	720.0	718.0	705.0	721.0	746.0	747.0	738.0	742.0	747.0	752.0	751.0
57.5°	536.0	530.0	512.0	513.0	541.0	548.0	540.0	539.0	545.0	547.0	558.0
60°	361.0	360.0	344.0	343.0	354.0	373.0	364.0	364.0	366.0	369.0	372.0
62.5°	247.0	249.0	243.0	242.0	244.0	260.0	259.0	258.0	257.0	261.0	260.0
65°	194.0	195.0	193.0	193.0	194.0	201.0	208.0	209.0	210.0	211.0	210.0
67.5°	156.0	157.0	155.0	157.0	157.0	158.0	168.0	172.0	173.0	173.0	172.0
70°	120.0	124.0	126.0	126.0	126.0	126.0	133.0	138.0	137.0	131.0	125.0
72.5°	60.0	73.0	101.0	102.0	101.0	100.0	104.0	109.0	108.0	76.0	57.0
75°	40.0	43.0	79.0	83.0	82.0	78.0	82.0	88.0	86.0	49.0	47.0
77.5°	23.0	25.0	53.0	61.0	66.0	57.0	65.0	71.0	68.0	40.0	39.0
80°	18.0	17.0	38.0	47.0	45.0	36.0	53.0	57.0	52.0	30.0	27.0
82.5°	11.0	11.0	25.0	36.0	33.0	21.0	37.0	44.0	39.0	22.0	20.0
85°	6.0	7.0	12.0	18.0	19.0	14.0	20.0	24.0	24.0	14.0	14.0
87.5°	3.0	3.0	4.0	4.0	5.0	6.0	6.0	7.0	5.0	4.0	4.0
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)