

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: P524200

Luminaire Tested: **IFLD-S-SA6C-940-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524200
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-940-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (96) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

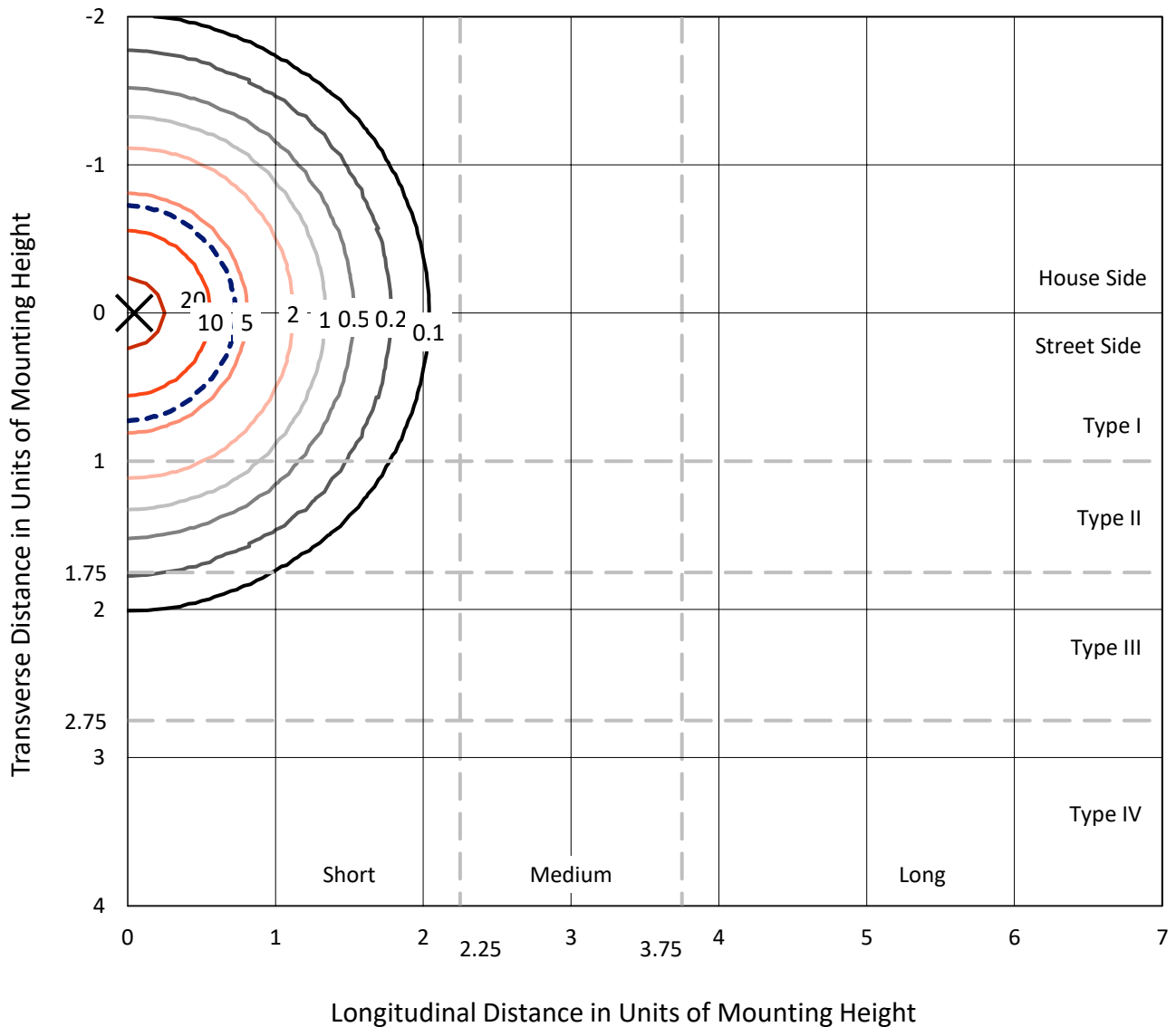
Lumens per Lamp: N/A
Luminaire Lumens: 31153.3 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 321.5
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: P524200
 CATALOG NUMBER: IFLD-S-SA6C-940-U-66

Iso-Footcandle Lines of Horizontal Illumination

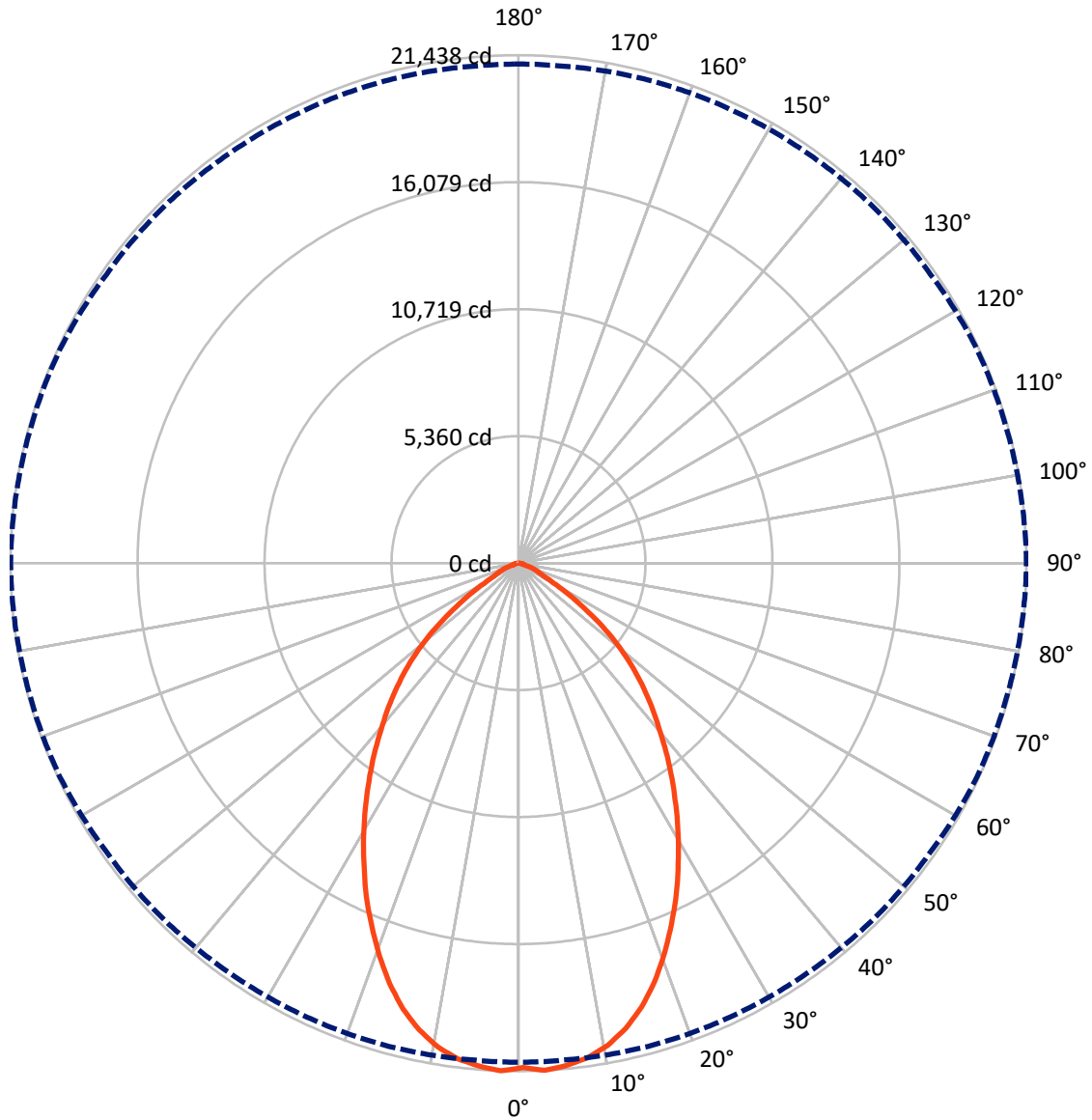
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 23.7 fc
 Type V - Short - N/A

REPORT NUMBER: P524200
CATALOG NUMBER: IFLD-S-SA6C-940-U-66

Luminous Intensity Polar Plot



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

REPORT NUMBER: P524200
 CATALOG NUMBER: IFLD-S-SA6C-940-U-66

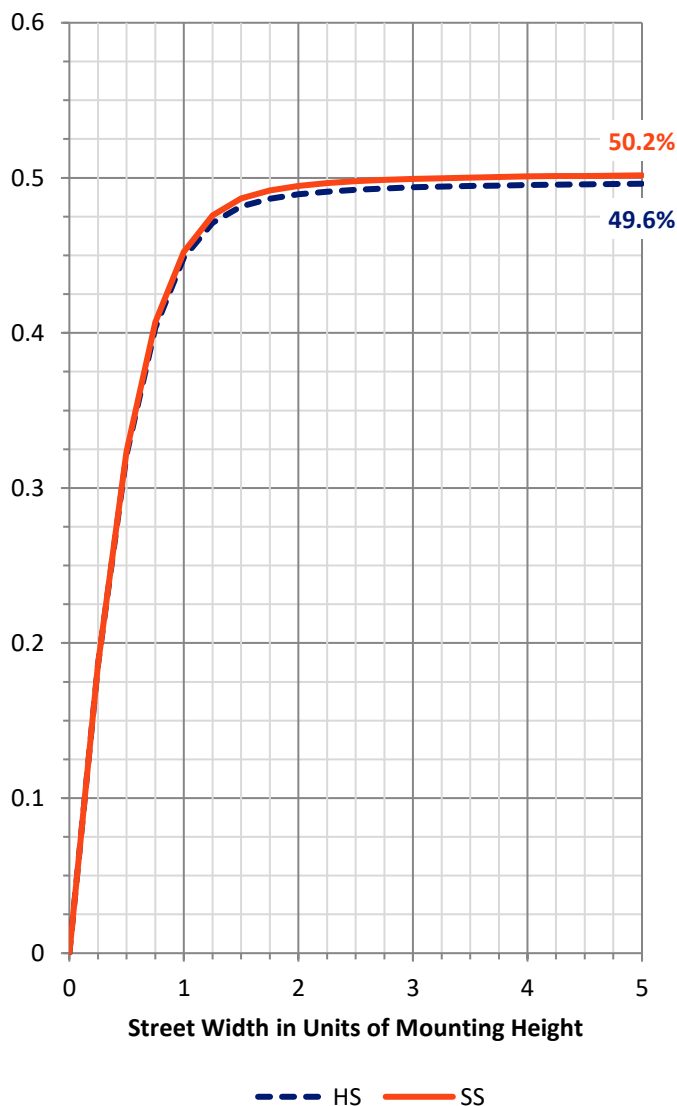
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15576.7	0.0	15576.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15576.7	0.0	15576.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	31153.3	0.0	31153.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1999.0	6.4
10°-20°	5371.4	17.2
20°-30°	6949.5	22.3
30°-40°	6853.9	22.0
40°-50°	5545.1	17.8
50°-60°	3019.1	9.7
60°-70°	956.6	3.1
70°-80°	370.1	1.2
80°-90°	88.5	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°	31153.3	100.0
0°-180°	31153.3	100.0

Coefficient of Utilization



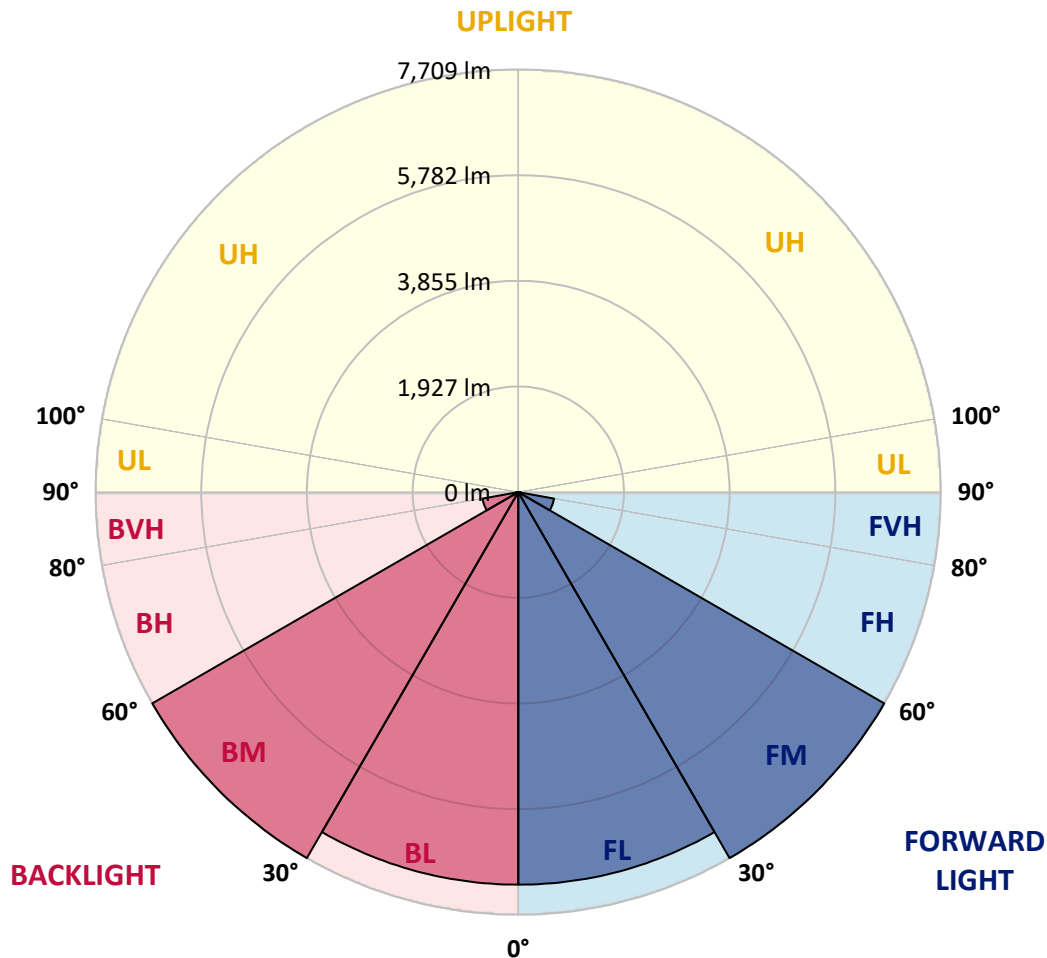
REPORT NUMBER: P524200
 CATALOG NUMBER: IFLD-S-SA6C-940-U-66

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7160.0	23.0			
FM (30°-60°)	7709.1	24.7			
FH (60°-80°)	663.4	2.1			G1/1800
FVH (80°-90°)	44.2	0.1			G1/100
BL (0°-30°)	7160.0	23.0	B5		
BM (30°-60°)	7709.1	24.7	B4/8500		
BH (60°-80°)	663.4	2.1	B2/1000		G1/1800
BVH (80°-90°)	44.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	21294.1	21294.1	21294.1	21294.1	21294.1	21294.1	21294.1	21294.1	21294.1	21294.1	21294.1
2.5°	21064.6	21060.1	21114.1	21136.6	21163.6	21217.6	21235.6	21352.6	21366.1	21411.1	21438.2
5°	21028.6	21010.6	21064.6	21073.6	21105.1	21114.1	21141.1	21222.1	21213.1	21280.6	21294.1
7.5°	20835.0	20812.5	20857.5	20866.5	20911.5	20898.0	20943.0	21001.6	21001.6	21051.1	21073.6
10°	20402.9	20398.4	20443.4	20447.9	20511.0	20497.4	20569.5	20583.0	20619.0	20655.0	20695.5
12.5°	19885.3	19826.8	19885.3	19862.8	19948.3	19898.8	19997.8	20029.3	20047.4	20110.4	20141.9
15°	19219.2	19147.2	19187.7	19165.2	19219.2	19156.2	19259.7	19322.7	19345.2	19408.2	19439.7
17.5°	18328.0	18269.5	18278.5	18247.0	18283.0	18233.5	18332.5	18431.5	18463.0	18530.5	18575.5
20°	17207.2	17207.2	17211.7	17184.7	17216.2	17166.7	17229.7	17382.8	17414.3	17504.3	17580.8
22.5°	16113.5	16113.5	16127.0	16091.0	16100.0	16077.5	16145.0	16293.5	16343.0	16437.6	16532.1
25°	15064.8	15046.8	15055.8	15024.3	14988.3	14997.3	15078.3	15172.8	15280.8	15402.3	15474.4
27.5°	14065.6	14088.1	14034.0	14011.5	13984.5	13935.0	14029.5	14146.6	14223.1	14322.1	14358.1
30°	12998.8	13043.8	13003.3	12985.3	12917.8	12854.8	12953.8	13070.8	13147.4	13241.9	13282.4
32.5°	12049.1	12035.6	11999.6	11959.1	11891.6	11842.1	11882.6	12017.6	12076.1	12175.1	12188.6
35°	11031.9	11022.9	11000.4	10919.4	10896.9	10838.4	10874.4	10991.4	11036.4	11094.9	11139.9
37.5°	10037.2	10005.7	9996.7	9965.2	9924.7	9911.2	9911.2	9974.2	10019.2	10077.7	10122.7
40°	9051.5	9060.5	9033.5	9006.5	8993.0	8974.9	8979.4	9015.5	9051.5	9078.5	9105.5
42.5°	8160.3	8110.8	8092.8	8065.8	8079.3	8101.8	8052.2	8106.3	8151.3	8151.3	8209.8
45°	7138.5	7161.1	7170.1	7215.1	7215.1	7192.6	7174.6	7201.6	7246.6	7242.1	7300.6
47.5°	6247.4	6220.4	6242.9	6310.4	6368.9	6377.9	6323.9	6337.4	6350.9	6328.4	6382.4
50°	5270.6	5279.6	5275.1	5378.7	5495.7	5455.2	5414.7	5428.2	5423.7	5423.7	5432.7
52.5°	4208.4	4230.9	4203.9	4352.4	4478.5	4447.0	4420.0	4420.0	4442.5	4438.0	4433.5
55°	3240.7	3231.7	3173.2	3245.2	3357.7	3362.2	3321.7	3339.7	3362.2	3384.7	3380.2
57.5°	2412.5	2385.5	2304.5	2309.0	2435.0	2466.5	2430.5	2426.0	2453.0	2462.0	2511.5
60°	1624.9	1620.4	1548.3	1543.8	1593.3	1678.9	1638.4	1638.4	1647.4	1660.9	1674.4
62.5°	1111.7	1120.7	1093.7	1089.2	1098.2	1170.3	1165.8	1161.3	1156.8	1174.8	1170.3
65°	873.2	877.7	868.7	868.7	873.2	904.7	936.2	940.7	945.2	949.7	945.2
67.5°	702.2	706.7	697.7	706.7	706.7	711.2	756.2	774.2	778.7	778.7	774.2
70°	540.1	558.1	567.1	567.1	567.1	567.1	598.6	621.1	616.6	589.6	562.6
72.5°	270.1	328.6	454.6	459.1	454.6	450.1	468.1	490.6	486.1	342.1	256.6
75°	180.0	193.5	355.6	373.6	369.1	351.1	369.1	396.1	387.1	220.5	211.5
77.5°	103.5	112.5	238.6	274.6	297.1	256.6	292.6	319.6	306.1	180.0	175.5
80°	81.0	76.5	171.0	211.5	202.5	162.0	238.6	256.6	234.1	135.0	121.5
82.5°	49.5	49.5	112.5	162.0	148.5	94.5	166.5	198.0	175.5	99.0	90.0
85°	27.0	31.5	54.0	81.0	85.5	63.0	90.0	108.0	108.0	63.0	63.0
87.5°	13.5	13.5	18.0	18.0	22.5	27.0	27.0	31.5	22.5	18.0	18.0
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)