

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: P524124

Luminaire Tested: **IFLD-S-SA6E-930-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524124
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-930-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (96) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

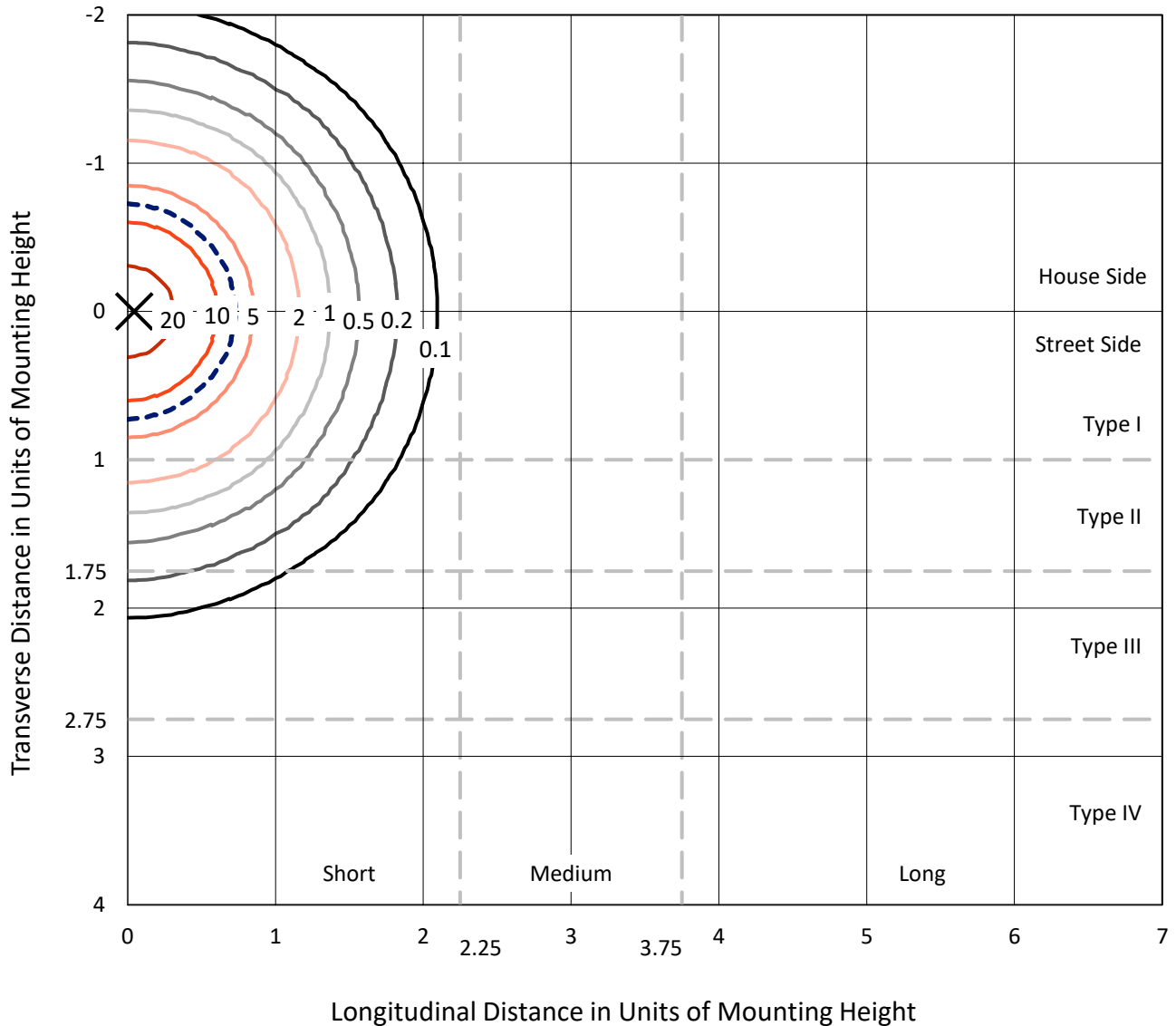
Lumens per Lamp: N/A
Luminaire Lumens: 35136.9 lumens
Efficiency: N/A
Efficacy: 75.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 464.2
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: P524124
 CATALOG NUMBER: IFLD-S-SA6E-930-U-66

Iso-Footcandle Lines of Horizontal Illumination

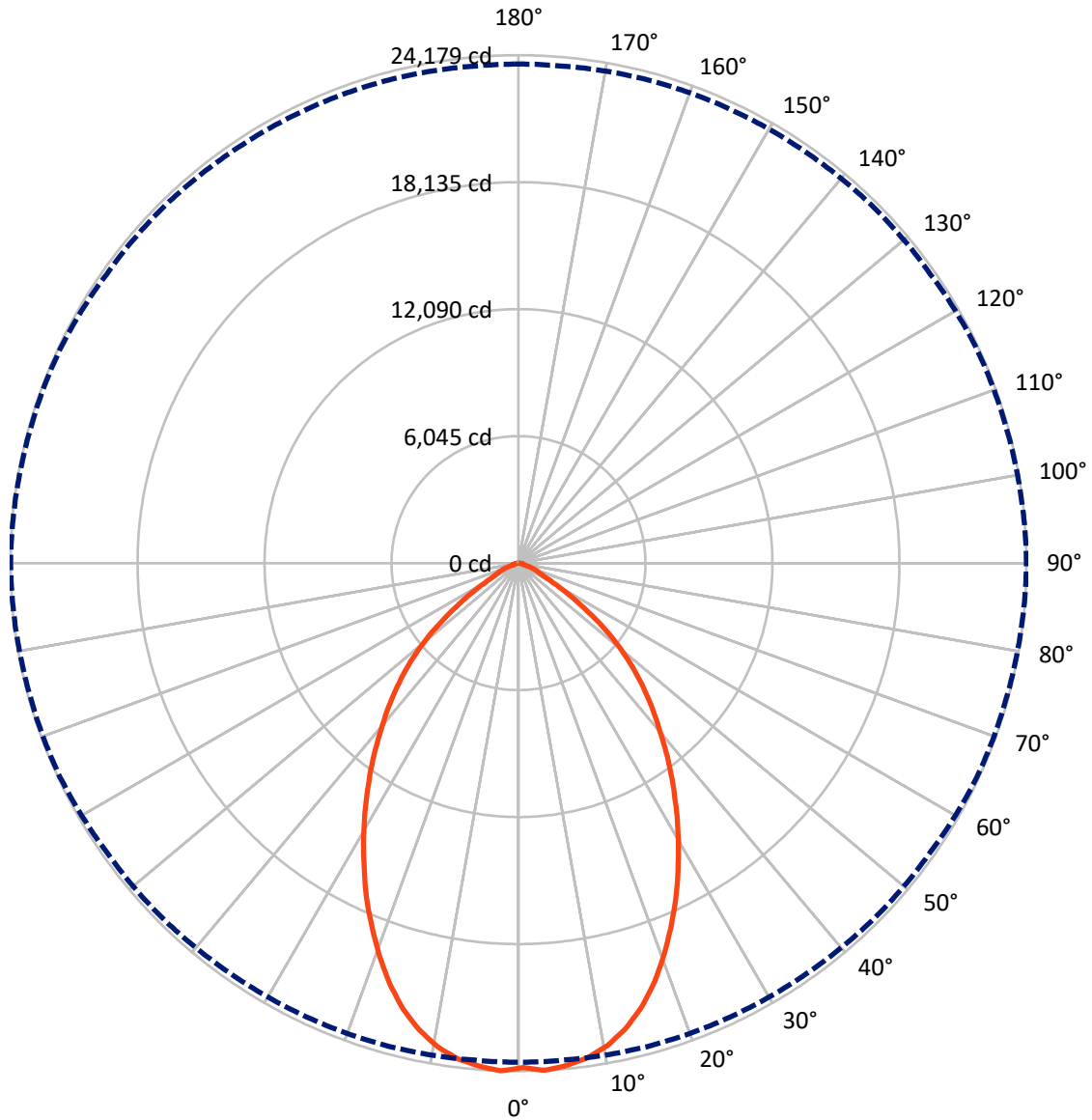
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 26.7 fc
 Type V - Short - N/A

REPORT NUMBER: P524124
CATALOG NUMBER: IFLD-S-SA6E-930-U-66

Luminous Intensity Polar Plot



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

REPORT NUMBER: P524124

CATALOG NUMBER: IFLD-S-SA6E-930-U-66

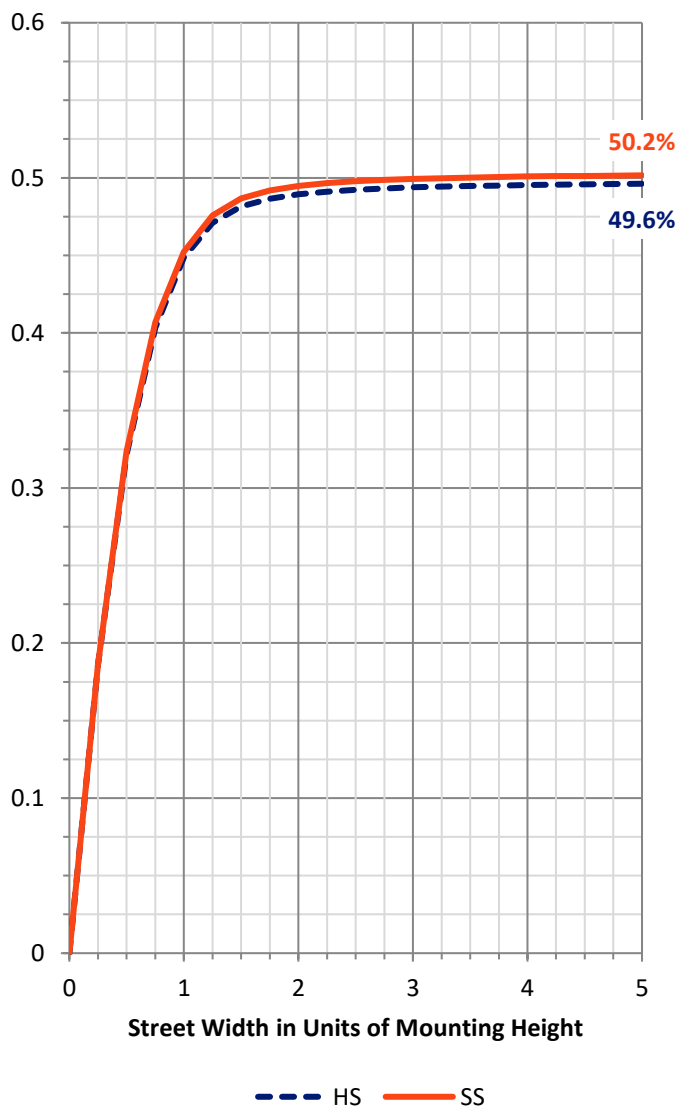
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17568.4	0.0	17568.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17568.4	0.0	17568.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	35136.9	0.0	35136.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2254.6	6.4
10°-20°	6058.3	17.2
20°-30°	7838.1	22.3
30°-40°	7730.3	22.0
40°-50°	6254.2	17.8
50°-60°	3405.2	9.7
60°-70°	1078.9	3.1
70°-80°	417.5	1.2
80°-90°	99.8	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°	35136.9	100.0
0°-180°	35136.9	100.0

Coefficient of Utilization



REPORT NUMBER: P524124

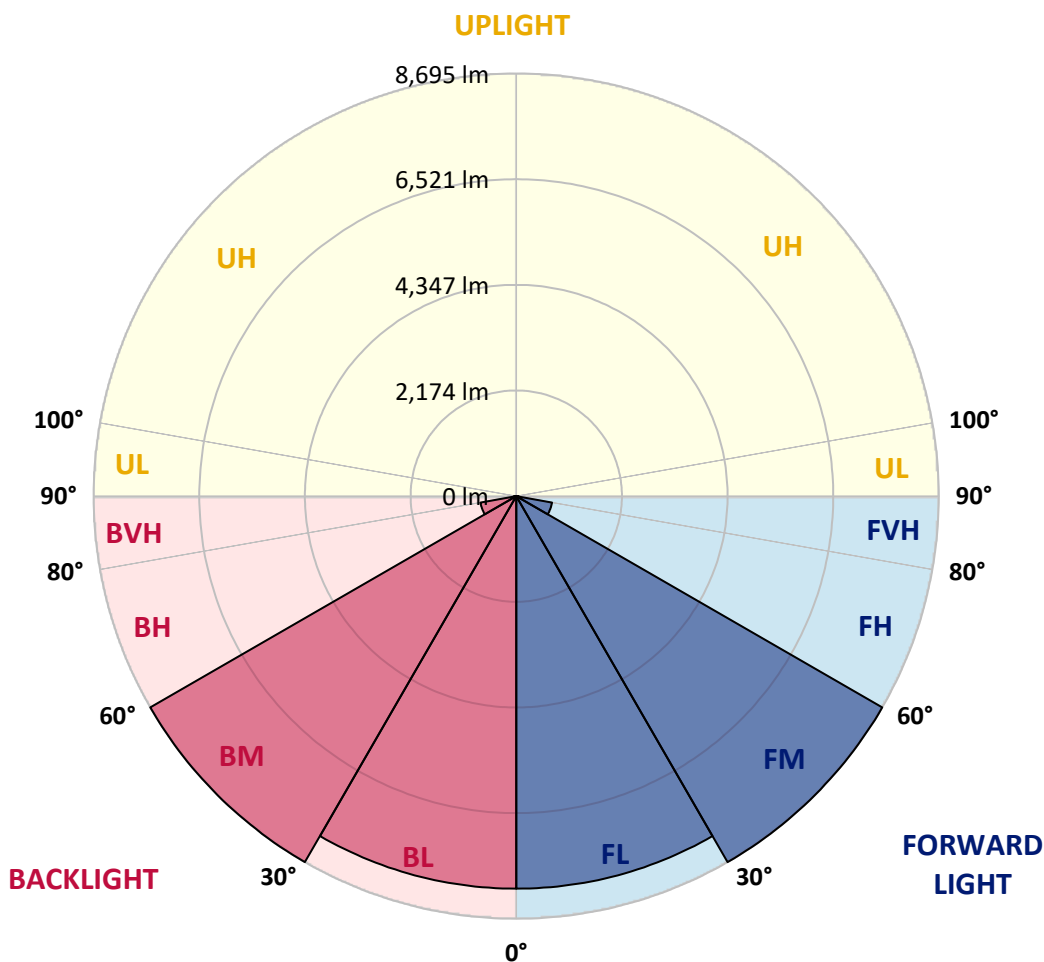
CATALOG NUMBER: IFLD-S-SA6E-930-U-66

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8075.5	23.0			
FM (30°-60°)	8694.8	24.7			
FH (60°-80°)	748.2	2.1			G1/1800
FVH (80°-90°)	49.9	0.1			G1/100
BL (0°-30°)	8075.5	23.0	B5		
BM (30°-60°)	8694.8	24.7	B5		
BH (60°-80°)	748.2	2.1	B2/1000		G1/1800
BVH (80°-90°)	49.9	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





REPORT NUMBER: P524124
 CATALOG NUMBER: IFLD-S-SAGE-930-U-66

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	24017.0	24017.0	24017.0	24017.0	24017.0	24017.0	24017.0	24017.0	24017.0	24017.0	24017.0
2.5°	23758.1	23753.0	23813.9	23839.3	23869.8	23930.7	23951.0	24083.0	24098.2	24149.0	24179.4
5°	23717.5	23697.2	23758.1	23768.2	23803.8	23813.9	23844.4	23935.8	23925.6	24001.8	24017.0
7.5°	23499.2	23473.8	23524.6	23534.7	23585.5	23570.3	23621.0	23687.0	23687.0	23742.9	23768.2
10°	23011.8	23006.8	23057.5	23062.6	23133.7	23118.4	23199.7	23214.9	23255.5	23296.1	23341.8
12.5°	22428.0	22362.0	22428.0	22402.7	22499.1	22443.3	22555.0	22590.5	22610.8	22681.9	22717.4
15°	21676.7	21595.5	21641.2	21615.8	21676.7	21605.6	21722.4	21793.5	21818.9	21889.9	21925.5
17.5°	20671.6	20605.6	20615.7	20580.2	20620.8	20565.0	20676.6	20788.3	20823.9	20900.0	20950.8
20°	19407.5	19407.5	19412.6	19382.1	19417.7	19361.8	19432.9	19605.5	19641.0	19742.6	19828.9
22.5°	18173.9	18173.9	18189.1	18148.5	18158.7	18133.3	18209.5	18377.0	18432.8	18539.4	18646.0
25°	16991.1	16970.8	16980.9	16945.4	16904.8	16914.9	17006.3	17112.9	17234.8	17371.8	17453.1
27.5°	15864.1	15889.5	15828.6	15803.2	15772.7	15716.9	15823.5	15955.5	16041.8	16153.5	16194.1
30°	14661.0	14711.7	14666.0	14645.7	14569.6	14498.5	14610.2	14742.2	14828.5	14935.1	14980.8
32.5°	13589.8	13574.6	13534.0	13488.3	13412.1	13356.3	13402.0	13554.3	13620.3	13732.0	13747.2
35°	12442.5	12432.4	12407.0	12315.6	12290.2	12224.2	12264.9	12396.8	12447.6	12513.6	12564.4
37.5°	11320.6	11285.1	11274.9	11239.4	11193.7	11178.5	11178.5	11249.6	11300.3	11366.3	11417.1
40°	10208.9	10219.0	10188.6	10158.1	10142.9	10122.6	10127.6	10168.3	10208.9	10239.3	10269.8
42.5°	9203.7	9147.9	9127.6	9097.1	9112.3	9137.7	9081.9	9142.8	9193.6	9193.6	9259.6
45°	8051.4	8076.7	8086.9	8137.7	8137.7	8112.3	8092.0	8122.4	8173.2	8168.1	8234.1
47.5°	7046.2	7015.7	7041.1	7117.3	7183.3	7193.4	7132.5	7147.7	7163.0	7137.6	7198.5
50°	5944.6	5954.8	5949.7	6066.4	6198.4	6152.7	6107.0	6122.3	6117.2	6117.2	6127.4
52.5°	4746.5	4771.9	4741.5	4909.0	5051.1	5015.6	4985.1	4985.1	5010.5	5005.4	5000.4
55°	3655.1	3644.9	3578.9	3660.2	3787.1	3792.2	3746.5	3766.8	3792.2	3817.5	3812.5
57.5°	2721.0	2690.6	2599.2	2604.3	2746.4	2781.9	2741.3	2736.2	2766.7	2776.9	2832.7
60°	1832.6	1827.5	1746.3	1741.2	1797.1	1893.5	1847.9	1847.9	1858.0	1873.2	1888.5
62.5°	1253.9	1264.1	1233.6	1228.5	1238.7	1319.9	1314.8	1309.7	1304.7	1325.0	1319.9
65°	984.8	989.9	979.8	979.8	984.8	1020.4	1055.9	1061.0	1066.1	1071.1	1066.1
67.5°	791.9	797.0	786.9	797.0	797.0	802.1	852.9	873.2	878.2	878.2	873.2
70°	609.2	629.5	639.6	639.6	639.6	639.6	675.2	700.6	695.5	665.0	634.6
72.5°	304.6	370.6	512.7	517.8	512.7	507.7	528.0	553.3	548.3	385.8	289.4
75°	203.1	218.3	401.0	421.4	416.3	396.0	416.3	446.7	436.6	248.7	238.6
77.5°	116.8	126.9	269.1	309.7	335.0	289.4	330.0	360.4	345.2	203.1	198.0
80°	91.4	86.3	192.9	238.6	228.4	182.8	269.1	289.4	264.0	152.3	137.1
82.5°	55.8	55.8	126.9	182.8	167.5	106.6	187.8	223.4	198.0	111.7	101.5
85°	30.5	35.5	60.9	91.4	96.5	71.1	101.5	121.8	121.8	71.1	71.1
87.5°	15.2	15.2	20.3	20.3	25.4	30.5	30.5	35.5	25.4	20.3	20.3
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)