

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: P525294

Luminaire Tested: **IFLD-S-SA6E-930-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525294
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-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (96) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

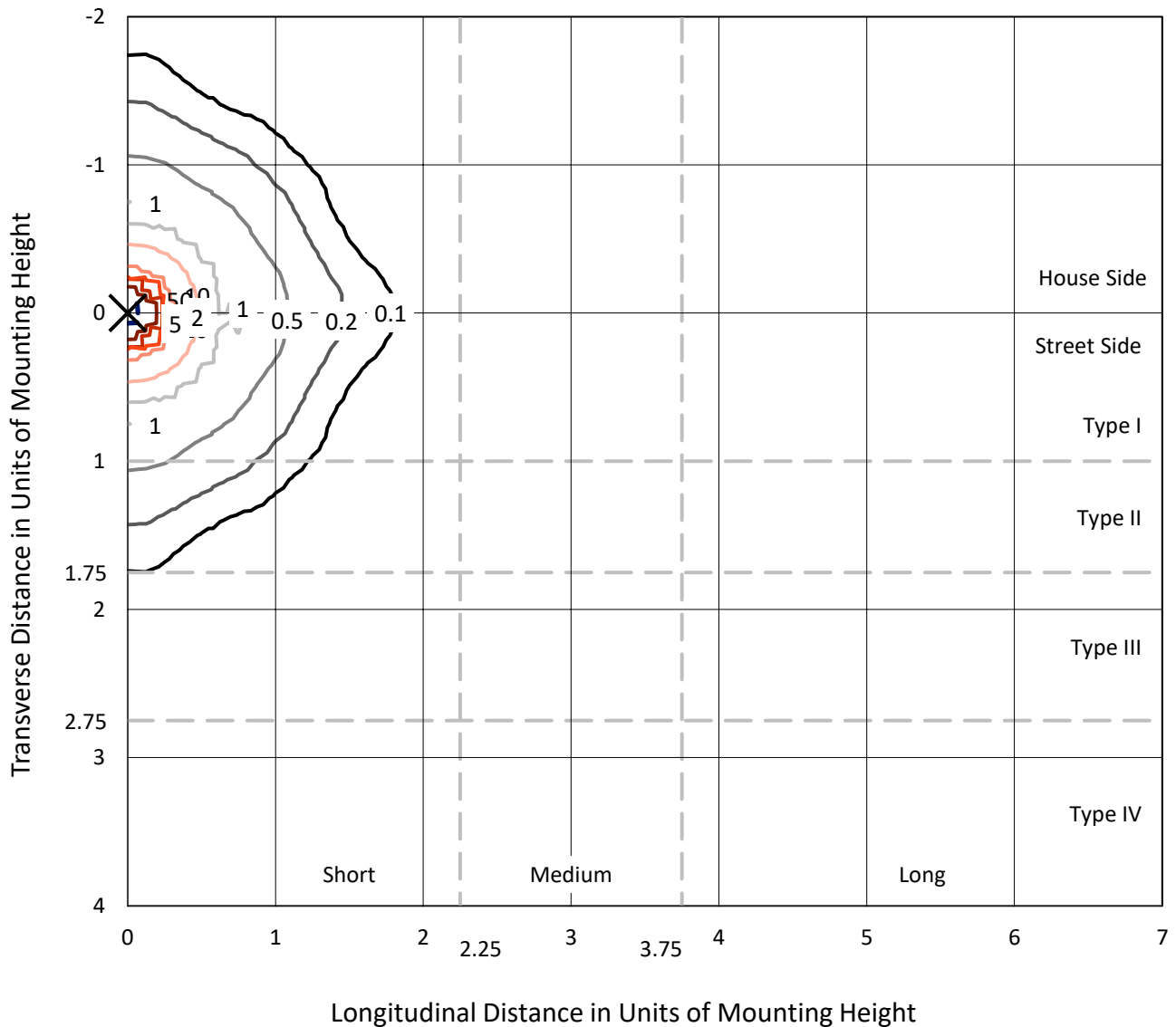
Lumens per Lamp: N/A
Luminaire Lumens: 19542.2 lumens
Efficiency: N/A
Efficacy: 42.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

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: P525294
 CATALOG NUMBER: IFLD-S-SA6E-930-U-11

Iso-Footcandle Lines of Horizontal Illumination

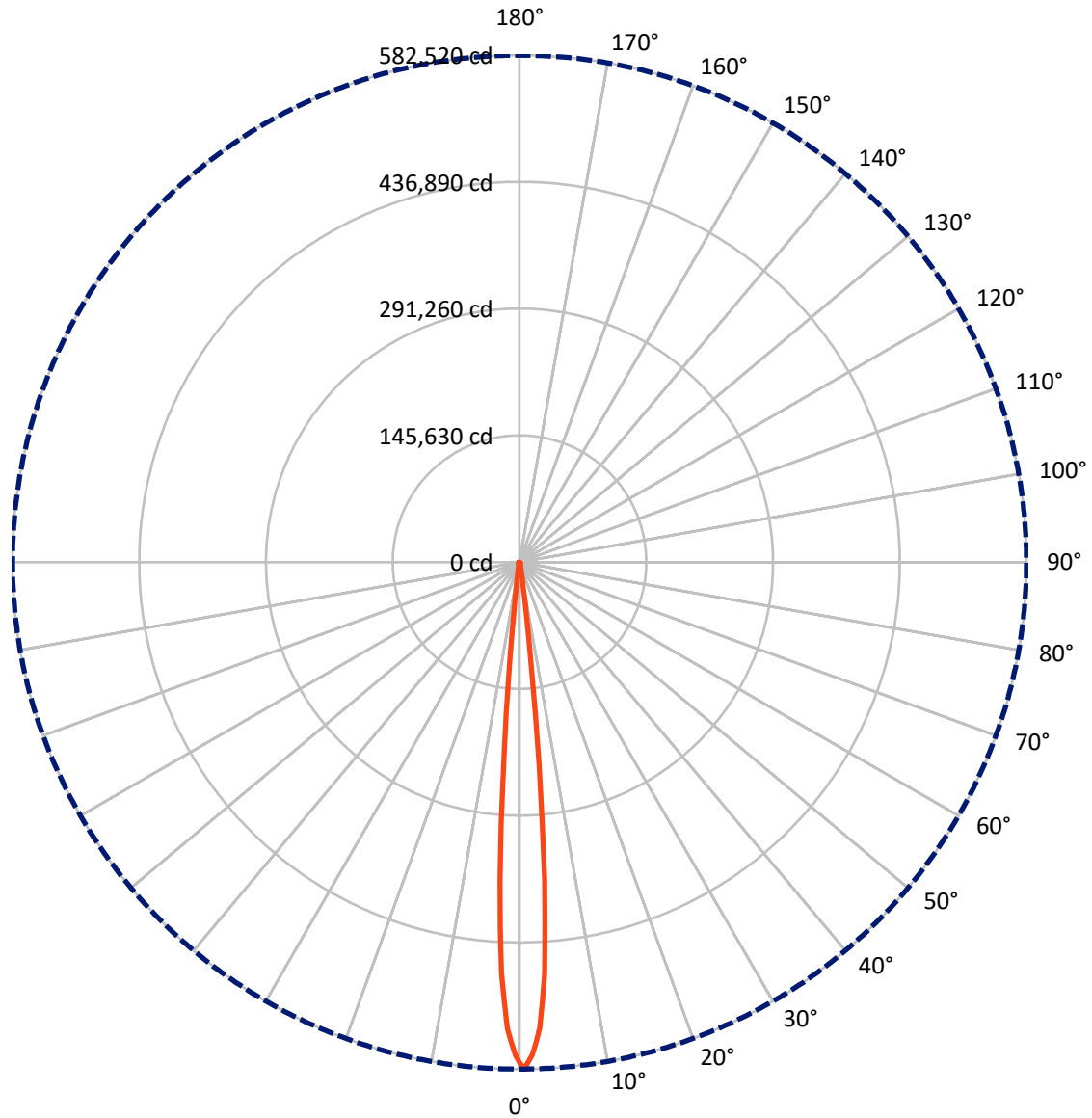
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 932 fc
 Type V - Short - N/A

REPORT NUMBER: P525294
CATALOG NUMBER: IFLD-S-SA6E-930-U-11

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

REPORT NUMBER: P525294

CATALOG NUMBER: IFLD-S-SA6E-930-U-11

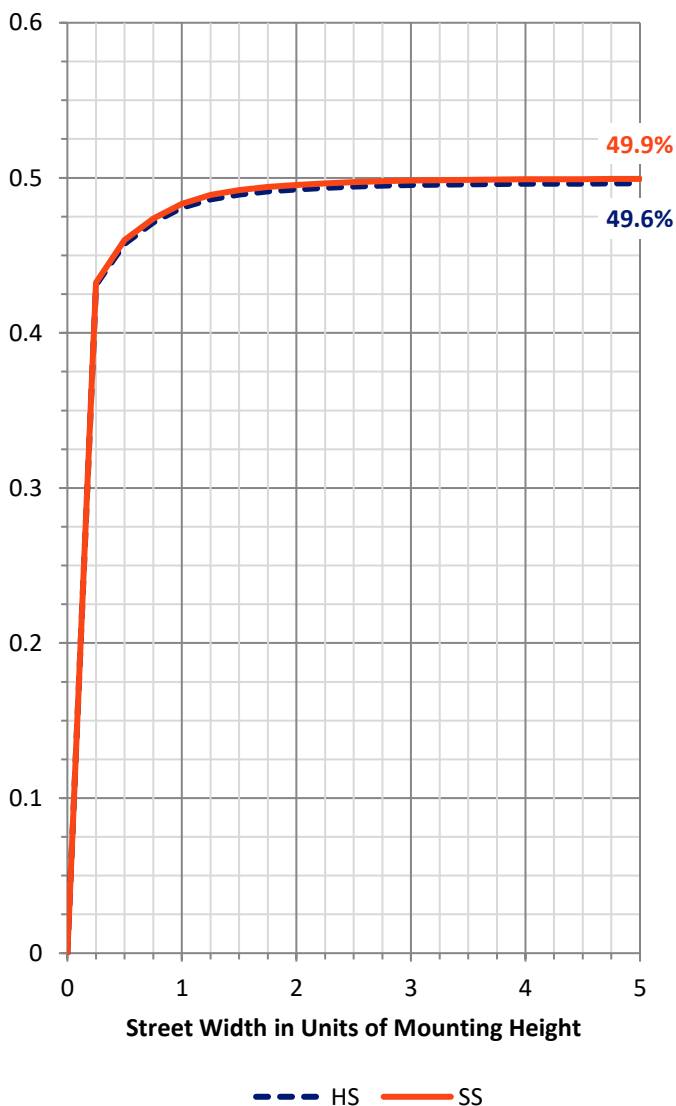
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9771.1	0.0	9771.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9771.1	0.0	9771.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	19542.2	0.0	19542.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15008.3	76.8
10°-20°	1463.8	7.5
20°-30°	782.1	4.0
30°-40°	645.0	3.3
40°-50°	718.2	3.7
50°-60°	483.0	2.5
60°-70°	308.2	1.6
70°-80°	121.7	0.6
80°-90°	11.9	0.1
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°	19542.2	100.0
0°-180°	19542.2	100.0

Coefficient of Utilization



REPORT NUMBER: P525294

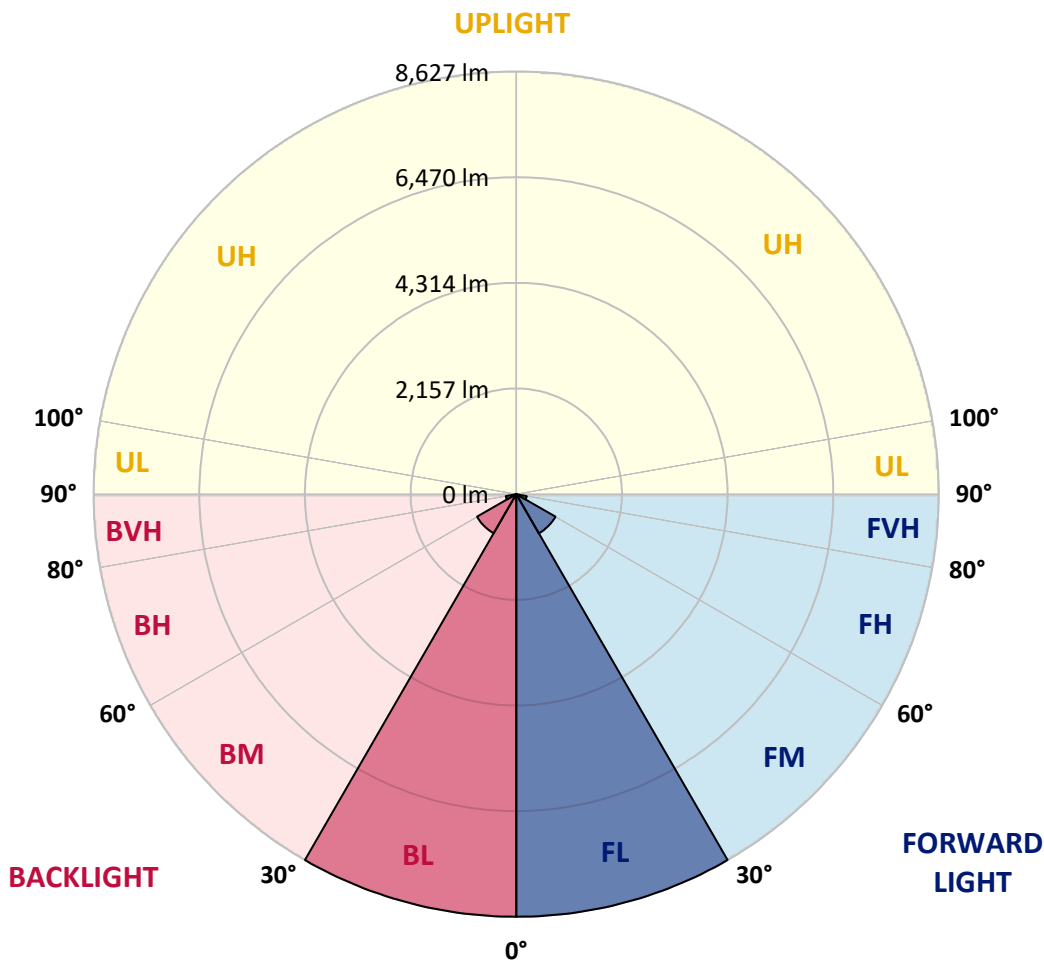
CATALOG NUMBER: IFLD-S-SA6E-930-U-11

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8627.1	44.1			
FM (30°-60°)	923.1	4.7			
FH (60°-80°)	214.9	1.1			G0/660
FVH (80°-90°)	6.0	0.0			G0/10
BL (0°-30°)	8627.1	44.1	B5		
BM (30°-60°)	923.1	4.7	B1/1000		
BH (60°-80°)	214.9	1.1	B1/500		G0/660
BVH (80°-90°)	6.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0

Type V Short





REPORT NUMBER: P525294
 CATALOG NUMBER: IFLD-S-SA6E-930-U-11

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	582520.1	582520.1	582520.1	582520.1	582520.1	582520.1	582520.1	582520.1	582520.1	582520.1
1°	566330.3	567315.2	567492.8	566320.1	563329.9	564035.6	563944.2	564101.6	563807.1	561938.8
2°	535666.5	537123.5	535590.3	532300.6	525487.6	523863.0	518435.9	512379.3	505931.8	499469.0
3°	473074.9	476141.2	473953.1	477466.3	463647.3	462251.2	450838.5	435791.0	420540.3	408183.4
4°	366792.4	372458.1	373209.5	384804.8	373453.2	377001.8	363964.7	343058.5	320243.4	302789.4
5°	233801.0	241700.5	246157.9	257032.4	262261.5	275877.4	269526.4	248544.0	222180.3	202101.6
6°	118131.6	122431.7	134407.8	146363.6	159715.6	177783.8	180230.8	161812.3	140829.9	121558.5
7°	55067.9	56844.7	65292.5	67841.0	83106.9	102708.4	105449.8	95352.1	84284.7	69348.8
8°	28455.4	29145.8	32232.5	34126.1	43030.8	54306.3	56230.4	49874.3	45345.8	37832.2
9°	17525.1	17829.7	18987.2	19413.6	22744.0	27759.8	28440.1	25779.9	24551.3	21957.1
10°	12153.8	12316.3	12859.5	12971.2	14083.0	15732.9	15793.9	14920.7	14941.0	14291.1
12.5°	6478.0	6528.7	6681.0	6696.3	6909.5	7082.1	7041.5	7046.6	7132.9	7046.6
15°	4142.7	4168.0	4259.4	4279.7	4391.4	4452.3	4421.9	4416.8	4447.3	4391.4
17.5°	2954.7	2969.9	3035.9	3091.8	3162.8	3183.1	3173.0	3162.8	3162.8	3112.1
20°	2304.9	2325.2	2370.9	2426.7	2462.2	2497.8	2502.9	2497.8	2482.5	2457.2
22.5°	1959.6	1969.8	1985.0	2010.4	2035.8	2051.0	2061.2	2066.3	2061.2	2051.0
25°	1705.8	1716.0	1746.4	1761.6	1761.6	1766.7	1787.0	1797.2	1802.3	1782.0
27.5°	1259.0	1284.4	1330.1	1355.5	1355.5	1365.7	1380.9	1401.2	1421.5	1386.0
30°	974.7	995.0	1045.8	1045.8	1040.7	1050.9	1066.1	1096.6	1127.0	1086.4
32.5°	878.3	878.3	888.4	893.5	893.5	908.7	918.9	944.3	969.7	959.5
35°	918.9	893.5	863.1	863.1	873.2	903.7	908.7	934.1	959.5	995.0
37.5°	1335.2	1259.0	1147.4	1127.0	1127.0	1162.6	1147.4	1162.6	1208.3	1340.3
40°	1213.4	1152.4	1086.4	995.0	995.0	1045.8	1010.3	1030.6	1137.2	1218.4
42.5°	1081.4	1081.4	1010.3	924.0	924.0	949.4	939.2	949.4	1071.2	1137.2
45°	1000.1	1000.1	979.8	842.7	863.1	878.3	878.3	878.3	1040.7	1061.0
47.5°	954.4	954.4	903.7	776.7	802.1	807.2	817.4	807.2	934.1	1005.2
50°	852.9	863.1	776.7	685.4	715.8	715.8	731.1	710.7	807.2	924.0
52.5°	736.1	746.3	614.3	543.2	578.8	573.7	594.0	563.5	639.7	802.1
55°	654.9	649.8	507.7	441.7	482.3	477.2	487.4	451.8	517.8	690.4
57.5°	568.6	578.8	416.3	360.5	406.1	396.0	411.2	370.6	426.4	614.3
60°	502.6	517.8	355.4	304.6	350.3	340.1	355.4	309.7	365.5	553.4
62.5°	482.3	482.3	314.8	258.9	304.6	294.5	304.6	258.9	324.9	507.7
65°	573.7	543.2	284.3	213.2	258.9	248.8	258.9	213.2	284.3	487.4
67.5°	761.5	726.0	269.1	167.5	208.1	192.9	208.1	172.6	248.8	456.9
70°	396.0	421.4	269.1	132.0	157.4	157.4	152.3	132.0	208.1	335.1
72.5°	228.5	233.5	208.1	101.5	121.8	132.0	116.8	101.5	152.3	248.8
75°	126.9	142.1	132.0	76.2	91.4	101.5	86.3	76.2	106.6	177.7
77.5°	76.2	86.3	76.2	50.8	60.9	55.8	60.9	50.8	71.1	116.8
80°	40.6	40.6	40.6	30.5	30.5	35.5	35.5	30.5	40.6	60.9
82.5°	15.2	15.2	15.2	10.2	15.2	15.2	15.2	20.3	20.3	25.4
85°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
87.5°	0.0	0.0	0.0	0.0	0.0	5.1	5.1	5.1	5.1	5.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
582520.1
563781.7
503190.3
412869.3
306835.6
204675.5
123000.3
71156.2
38852.6
22520.6
14590.7
7143.0
4432.0
3127.3
2462.2
2056.1
1782.0
1380.9
1076.3
959.5
1015.4
1406.3
1294.6
1142.3
1056.0
990.0
913.8
781.8
680.3
599.1
538.1
502.6
487.4
451.8
330.0
243.7
157.4
86.3
50.8
25.4
5.1
5.1
0.0

OF REPORT)