

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: P635993

Luminaire Tested: **IFLD-S-SA6A-927-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635993
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-927-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (96) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16236.7 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

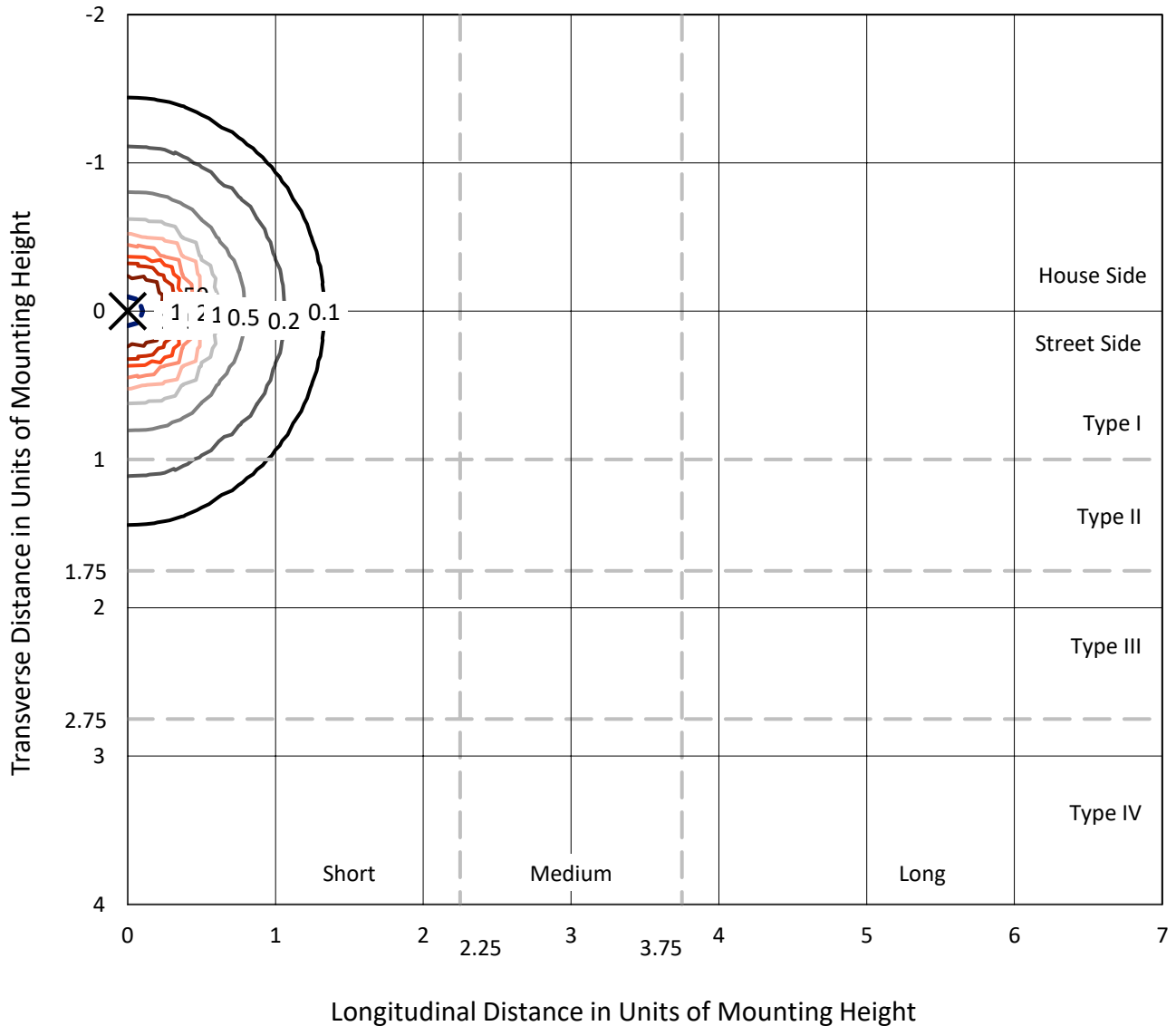
Input Watts (W): 189.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P635993
 CATALOG NUMBER: IFLD-S-SA6A-927-U-22-VI

Iso-Footcandle Lines of Horizontal Illumination

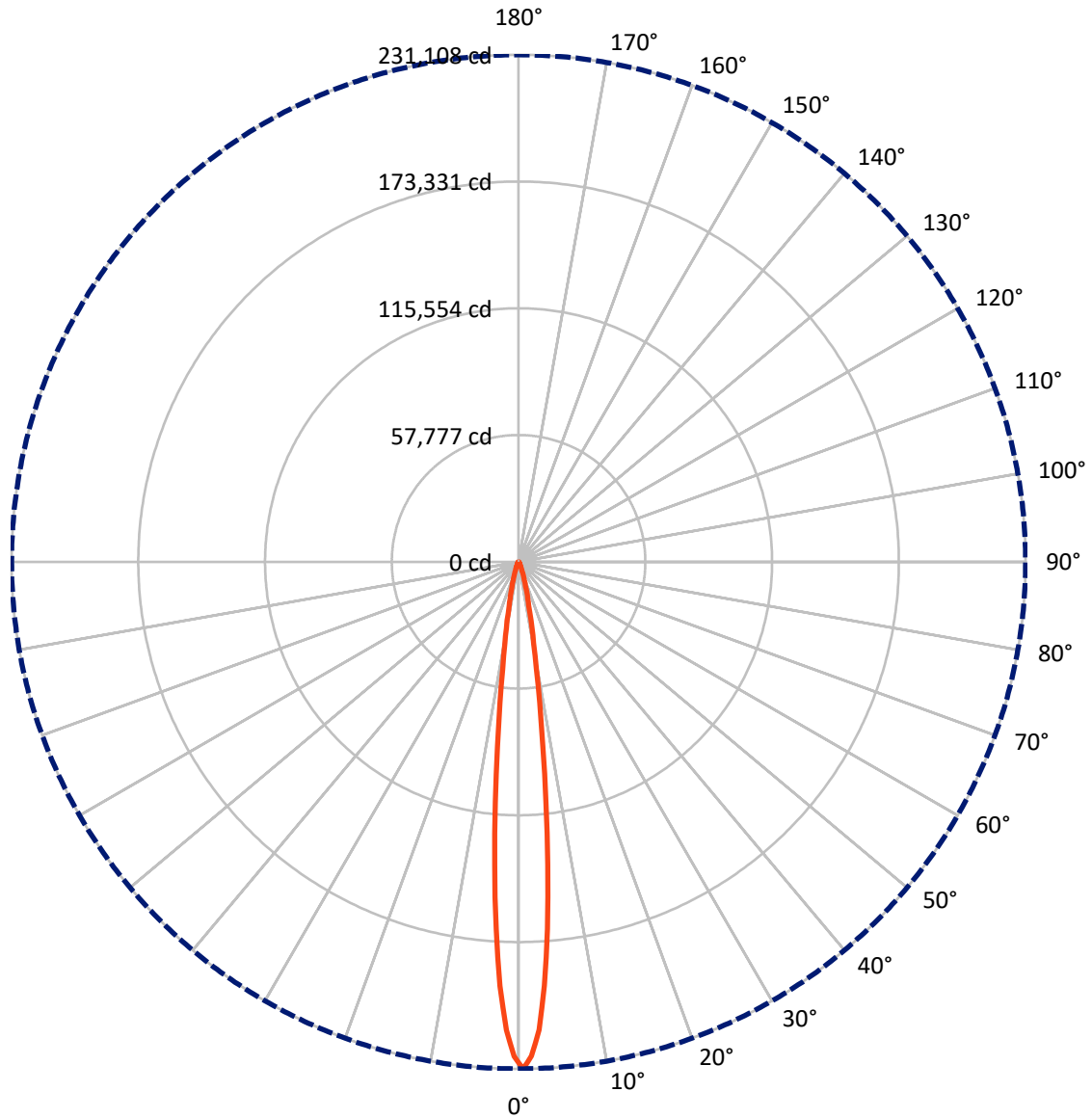
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 577.8 fc
 Type V - Short - N/A

REPORT NUMBER: P635993
CATALOG NUMBER: IFLD-S-SA6A-927-U-22-VI

Luminous Intensity Polar Plot



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

REPORT NUMBER: P635993
 CATALOG NUMBER: IFLD-S-SA6A-927-U-22-VI

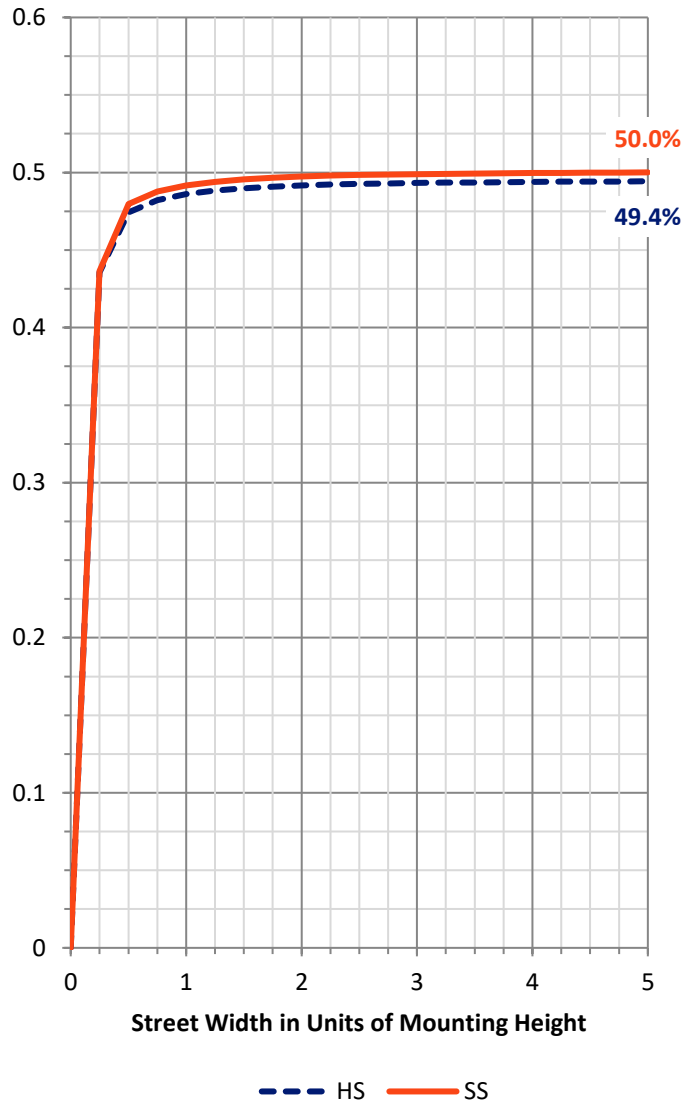
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8118.4	0.0	8118.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8118.4	0.0	8118.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	16236.7	0.0	16236.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9897.6	61.0
10°-20°	4434.2	27.3
20°-30°	990.3	6.1
30°-40°	323.2	2.0
40°-50°	222.9	1.4
50°-60°	168.4	1.0
60°-70°	115.3	0.7
70°-80°	60.7	0.4
80°-90°	24.2	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°	16236.7	100.0
0°-180°	16236.7	100.0

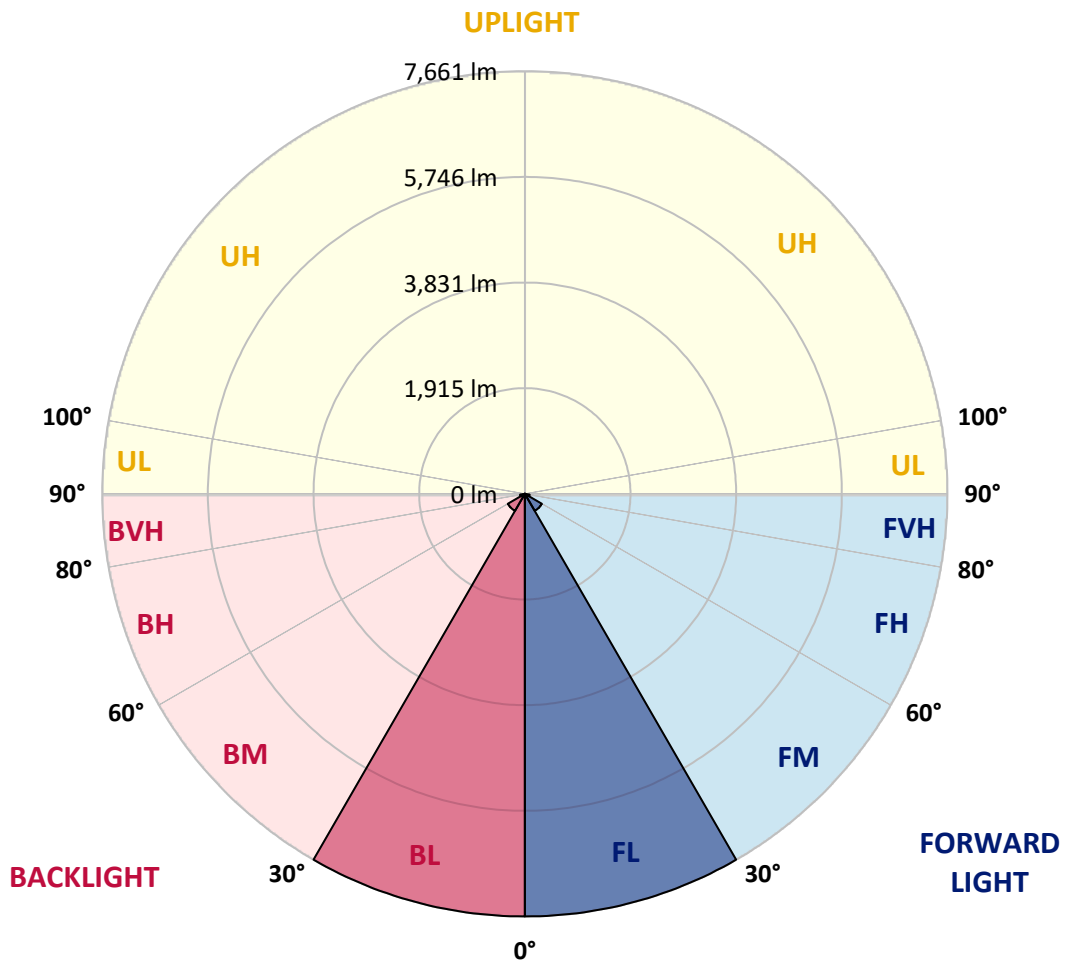


REPORT NUMBER: P635993
 CATALOG NUMBER: IFLD-S-SA6A-927-U-22-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7661.0	47.2			
FM (30°-60°)	357.3	2.2			
FH (60°-80°)	88.0	0.5			G0/660
FVH (80°-90°)	12.1	0.1			G1/100
BL (0°-30°)	7661.0	47.2	B5		
BM (30°-60°)	357.3	2.2	B1/1000		
BH (60°-80°)	88.0	0.5	B0/110		G0/660
BVH (80°-90°)	12.1	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: P635993
 CATALOG NUMBER: IFLD-S-SA6A-927-U-22-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	231108.3	231108.3	231108.3	231108.3	231108.3	231108.3	231108.3	231108.3	231108.3	231108.3
1°	225370.4	225677.0	225335.7	227059.4	227770.8	228141.0	228184.4	229156.1	228407.1	228615.3
2°	213492.7	214175.2	213032.8	214137.6	216347.2	217183.0	215820.8	217504.0	216902.4	217252.4
3°	193534.5	194370.3	192791.2	194141.8	196984.7	197621.0	195388.3	197780.1	197719.3	198222.6
4°	167809.5	169165.9	166910.1	168509.4	169767.5	171982.8	169819.5	172541.0	172488.9	173362.3
5°	138608.3	140074.6	138113.7	139773.8	140965.3	141789.6	140997.1	144007.8	144198.7	145101.0
6°	110034.6	111402.6	109213.3	110798.1	112686.7	113025.0	112819.7	115411.0	115986.5	115283.7
7°	84682.7	85024.0	84679.8	86120.1	87635.5	87690.5	87956.6	90235.5	90741.6	90498.7
8°	64854.7	63293.0	64634.9	65398.4	65866.9	68018.6	68177.7	69325.8	70257.1	70323.6
9°	49367.7	47921.6	49474.7	49778.3	50854.2	52765.8	52525.8	53781.0	54365.2	54327.6
10°	37637.4	36902.8	37680.8	38016.3	38901.2	40520.8	40801.3	41376.9	41810.7	42094.1
12.5°	20423.8	20594.4	21045.6	21398.4	22590.0	23020.9	23194.4	23243.6	23240.7	23287.0
15°	12687.5	12826.3	13141.6	13780.7	14506.6	15041.7	15116.9	14839.2	14599.2	14561.6
17.5°	7912.7	7857.8	8598.1	9298.0	10171.4	10449.1	10159.8	9841.7	9514.9	9326.9
20°	4748.8	4786.4	5038.0	5350.3	6056.0	6536.1	6235.3	5911.4	5573.0	5350.3
22.5°	2698.3	2738.8	2848.7	3010.6	3279.6	3716.3	3525.4	3198.6	2958.6	2860.3
25°	1593.5	1593.5	1660.0	1732.4	1845.1	1946.4	1905.9	1732.4	1590.6	1550.2
27.5°	1032.5	1023.8	1046.9	1081.6	1133.7	1139.5	1093.2	1041.1	968.8	942.8
30°	754.8	757.7	754.8	769.3	766.4	746.2	717.2	720.1	691.2	688.3
32.5°	613.1	616.0	616.0	613.1	598.7	566.8	546.6	566.8	561.1	555.3
35°	509.0	511.9	540.8	537.9	514.8	480.1	465.6	488.8	506.1	480.1
37.5°	439.6	442.5	465.6	477.2	448.3	425.1	407.8	428.0	454.1	425.1
40°	387.5	390.4	396.2	399.1	384.6	373.1	364.4	370.2	381.8	367.3
42.5°	341.3	338.4	341.3	338.4	321.0	326.8	321.0	312.3	321.0	309.5
45°	297.9	297.9	297.9	289.2	271.9	283.4	277.6	269.0	271.9	263.2
47.5°	271.9	271.9	271.9	260.3	245.8	245.8	248.7	234.3	237.1	234.3
50°	245.8	245.8	251.6	240.0	228.5	219.8	222.7	211.1	214.0	211.1
52.5°	225.6	225.6	225.6	219.8	211.1	205.3	199.6	193.8	190.9	188.0
55°	216.9	216.9	214.0	196.7	193.8	188.0	176.4	173.5	167.7	164.8
57.5°	202.4	202.4	199.6	185.1	173.5	173.5	156.2	153.3	144.6	144.6
60°	179.3	179.3	176.4	173.5	159.1	150.4	138.8	133.0	124.4	121.5
62.5°	170.6	170.6	164.8	150.4	147.5	133.0	121.5	109.9	104.1	98.3
65°	159.1	156.2	153.3	138.8	127.3	118.6	104.1	89.7	83.9	72.3
67.5°	141.7	141.7	138.8	127.3	115.7	101.2	86.8	75.2	60.7	52.1
70°	124.4	121.5	121.5	109.9	101.2	89.7	69.4	57.8	43.4	34.7
72.5°	104.1	104.1	101.2	92.5	86.8	78.1	60.7	46.3	28.9	23.1
75°	83.9	83.9	81.0	75.2	72.3	63.6	52.1	40.5	23.1	11.6
77.5°	69.4	66.5	66.5	60.7	57.8	52.1	43.4	31.8	17.4	8.7
80°	52.1	52.1	54.9	52.1	46.3	43.4	37.6	28.9	14.5	5.8
82.5°	37.6	37.6	40.5	40.5	40.5	37.6	37.6	28.9	14.5	2.9
85°	26.0	26.0	31.8	28.9	28.9	31.8	46.3	37.6	11.6	2.9
87.5°	14.5	14.5	14.5	11.6	11.6	14.5	17.4	14.5	5.8	2.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
231108.3
227085.4
216003.0
196872.0
171829.5
143377.3
115356.0
90166.1
69484.9
55212.5
42261.8
23324.6
14445.9
9298.0
5399.5
2871.8
1544.4
942.8
685.4
543.7
474.3
422.2
361.5
309.5
263.2
234.3
211.1
188.0
162.0
144.6
115.7
95.4
69.4
52.1
34.7
20.2
11.6
5.8
2.9
2.9
2.9
2.9
0.0

OF REPORT)