

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: P636200

Luminaire Tested: **IFLD-S-SA6E-935-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636200
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-935-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (96) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33622.4 lumens
Efficiency: N/A
Efficacy: 72.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

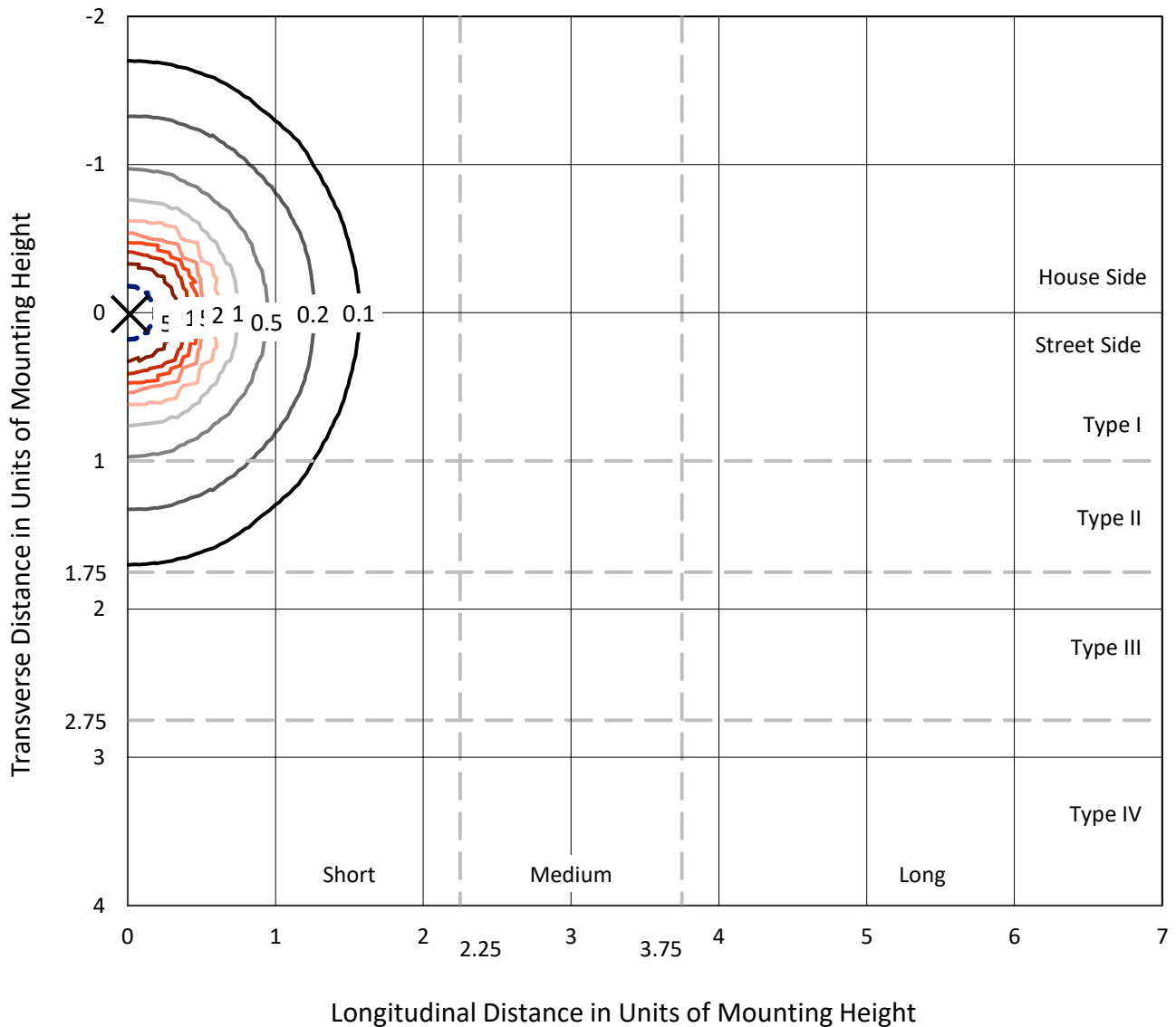
Input Watts (W): 464.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636200
 CATALOG NUMBER: IFLD-S-SA6E-935-U-33-VI

Iso-Footcandle Lines of Horizontal Illumination

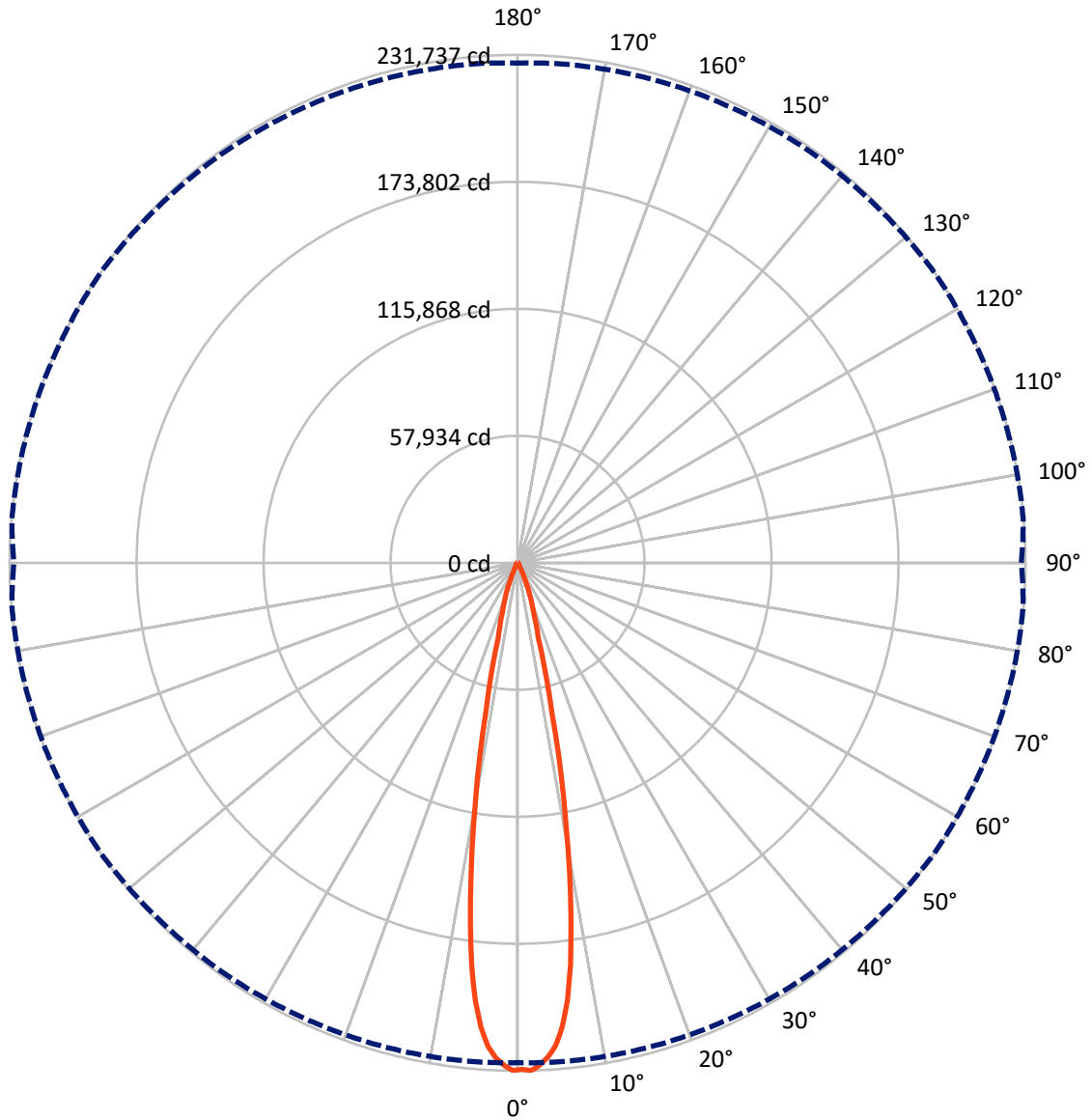
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 577.9 fc
 Type V - Short - N/A

REPORT NUMBER: P636200
CATALOG NUMBER: IFLD-S-SA6E-935-U-33-VI

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 1-Deg Vertical

REPORT NUMBER: P636200
 CATALOG NUMBER: IFLD-S-SA6E-935-U-33-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16811.2	0.0	16811.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16811.2	0.0	16811.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	33622.4	0.0	33622.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17082.7	50.8
10°-20°	12106.7	36.0
20°-30°	2836.8	8.4
30°-40°	592.9	1.8
40°-50°	382.5	1.1
50°-60°	283.3	0.8
60°-70°	192.6	0.6
70°-80°	102.8	0.3
80°-90°	42.1	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°	33622.4	100.0
0°-180°	33622.4	100.0

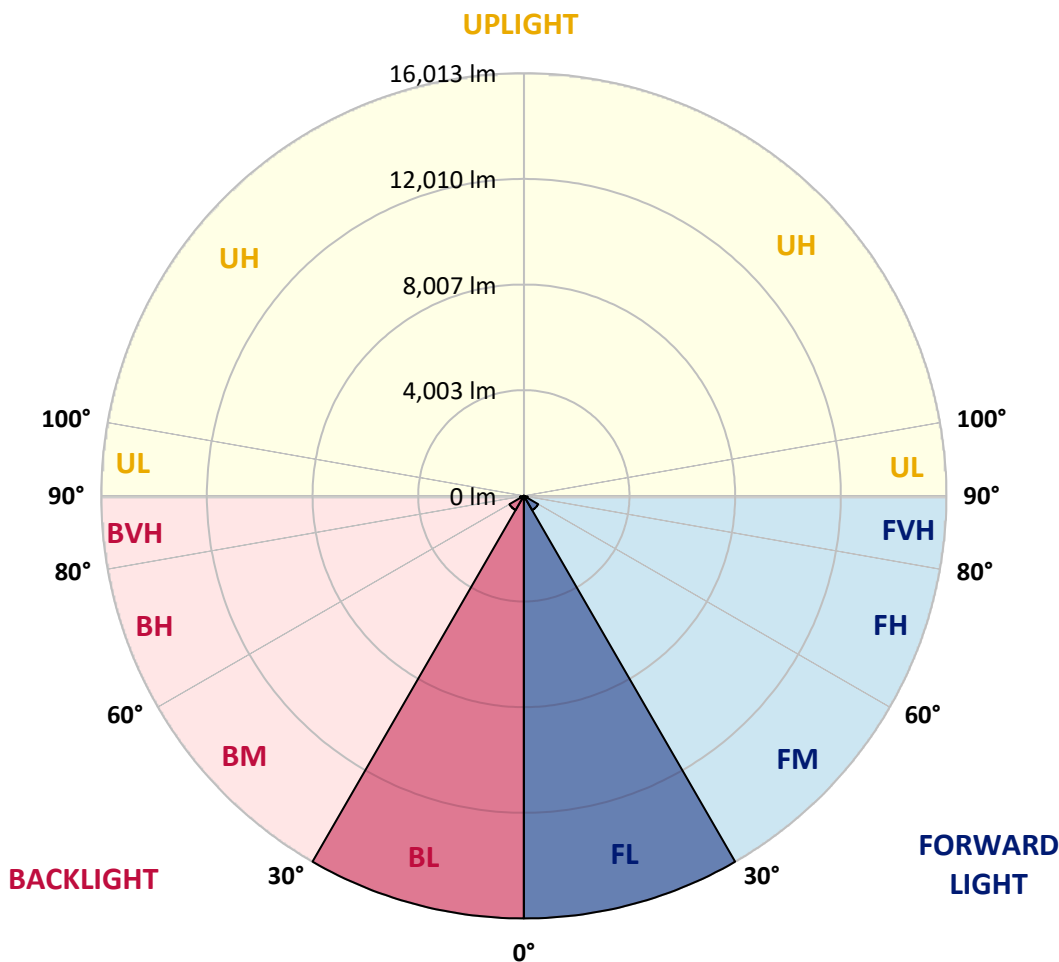


REPORT NUMBER: P636200
 CATALOG NUMBER: IFLD-S-SA6E-935-U-33-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	16013.1	47.6			
FM (30°-60°)	629.4	1.9			
FH (60°-80°)	147.7	0.4			G0/660
FVH (80°-90°)	21.1	0.1			G1/100
BL (0°-30°)	16013.1	47.6	B5		
BM (30°-60°)	629.4	1.9	B1/1000		
BH (60°-80°)	147.7	0.4	B1/500		G0/660
BVH (80°-90°)	21.1	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: P636200
 CATALOG NUMBER: IFLD-S-SA6E-935-U-33-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	231141.9	231141.9	231141.9	231141.9	231141.9	231141.9	231141.9	231141.9	231141.9	231141.9
1°	228032.1	228454.3	228971.6	229441.4	230149.0	230725.7	231736.6	231522.5	231492.8	231534.4
2°	223614.2	224143.4	224940.2	225409.9	227235.4	227984.6	229512.7	229964.6	229601.9	230012.2
3°	216996.2	217430.3	218679.0	219600.6	221967.1	223988.8	226034.3	226712.1	226289.9	226480.2
4°	209117.7	209563.6	211073.9	212952.9	216371.9	218613.6	221063.3	221669.8	220290.4	220385.5
5°	199740.7	199948.8	201798.0	203510.5	207601.4	210318.8	212643.7	212834.0	211573.4	211091.8
6°	189192.4	188817.8	190518.3	191243.8	196327.7	199098.5	200799.1	200579.1	199621.8	199211.5
7°	176658.0	176146.7	177520.2	177127.8	181628.9	183210.6	184845.8	184096.6	183335.5	184280.9
8°	162155.5	161870.1	160984.2	162589.6	163481.5	164896.7	164890.7	164456.7	164432.9	166008.6
9°	141070.7	143704.8	142925.9	144608.7	144382.7	144317.3	143883.2	143603.8	142414.5	144228.1
10°	117916.7	119641.1	120955.1	123464.4	122976.8	123666.6	121252.5	121662.7	120871.9	122370.3
12.5°	61036.5	62974.9	64110.6	66025.3	68130.2	70282.7	69587.0	68867.5	67791.3	69111.3
15°	30045.5	30812.6	31175.3	33119.7	34618.1	35159.2	35242.4	34606.2	34332.7	34618.1
17.5°	18438.8	18706.4	19758.8	21994.5	23290.8	23611.9	23403.8	22708.1	21929.1	21602.1
20°	13348.9	13426.2	13824.6	14258.7	15989.0	16892.8	16559.8	15876.0	15156.6	14817.6
22.5°	8717.0	8794.3	8925.1	9162.9	9626.7	10744.6	10381.9	9918.1	9430.5	9329.4
25°	4935.2	4935.2	5072.0	5315.8	5660.7	5743.9	5815.3	5321.7	5095.8	4994.7
27.5°	2753.0	2770.9	2800.6	2895.7	3068.2	3050.3	2973.0	2842.2	2687.6	2527.1
30°	1522.2	1540.0	1557.9	1581.7	1611.4	1557.9	1510.3	1486.5	1421.1	1403.3
32.5°	1141.6	1141.6	1153.5	1147.6	1117.9	1052.5	1022.7	1058.4	1052.5	1022.7
35°	939.5	939.5	951.4	975.2	915.7	868.1	844.3	891.9	891.9	874.1
37.5°	767.0	773.0	778.9	808.7	790.8	737.3	731.4	743.3	749.2	743.3
40°	671.9	666.0	666.0	671.9	660.0	648.1	636.2	630.3	636.2	630.3
42.5°	582.7	576.8	588.7	576.8	553.0	558.9	558.9	541.1	547.0	535.1
45°	511.4	505.4	511.4	499.5	481.6	487.6	487.6	463.8	463.8	457.8
47.5°	451.9	451.9	451.9	457.8	428.1	422.2	428.1	422.2	404.3	398.4
50°	392.4	398.4	404.3	416.2	386.5	374.6	374.6	374.6	362.7	356.8
52.5°	362.7	368.7	368.7	368.7	350.8	338.9	338.9	333.0	327.0	321.1
55°	350.8	350.8	350.8	327.0	321.1	315.1	297.3	291.4	285.4	285.4
57.5°	333.0	333.0	327.0	309.2	291.4	291.4	267.6	261.6	255.7	255.7
60°	297.3	297.3	297.3	291.4	267.6	261.6	237.8	226.0	220.0	220.0
62.5°	273.5	273.5	273.5	249.7	243.8	226.0	208.1	190.3	184.3	172.4
65°	249.7	249.7	249.7	226.0	214.1	196.2	172.4	154.6	142.7	124.9
67.5°	231.9	231.9	226.0	208.1	190.3	166.5	142.7	124.9	101.1	89.2
70°	202.2	202.2	196.2	184.3	166.5	148.7	118.9	95.1	77.3	59.5
72.5°	172.4	172.4	166.5	154.6	142.7	124.9	101.1	83.2	53.5	41.6
75°	142.7	142.7	136.8	124.9	118.9	107.0	89.2	65.4	41.6	17.8
77.5°	118.9	118.9	113.0	107.0	101.1	89.2	77.3	53.5	29.7	11.9
80°	89.2	95.1	95.1	95.1	83.2	77.3	71.4	53.5	23.8	5.9
82.5°	65.4	71.4	71.4	71.4	65.4	59.5	65.4	47.6	23.8	5.9
85°	47.6	47.6	53.5	53.5	53.5	53.5	71.4	53.5	17.8	5.9
87.5°	23.8	23.8	23.8	23.8	23.8	29.7	35.7	29.7	11.9	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
231141.9
229875.4
228454.3
225053.2
218970.3
210086.9
198289.9
183989.5
161638.2
140844.8
118529.1
65537.7
33286.2
21144.3
14556.0
9121.3
4911.5
2533.0
1403.3
1004.9
868.1
743.3
636.2
541.1
457.8
398.4
350.8
315.1
279.5
255.7
214.1
160.5
124.9
83.2
59.5
35.7
17.8
5.9
5.9
5.9
5.9
0.0
0.0

OF REPORT)