

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: P636267

Luminaire Tested: **IFLD-L-SA7D-950-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636267
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-950-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (112) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33731.1 lumens
Efficiency: N/A
Efficacy: 79.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

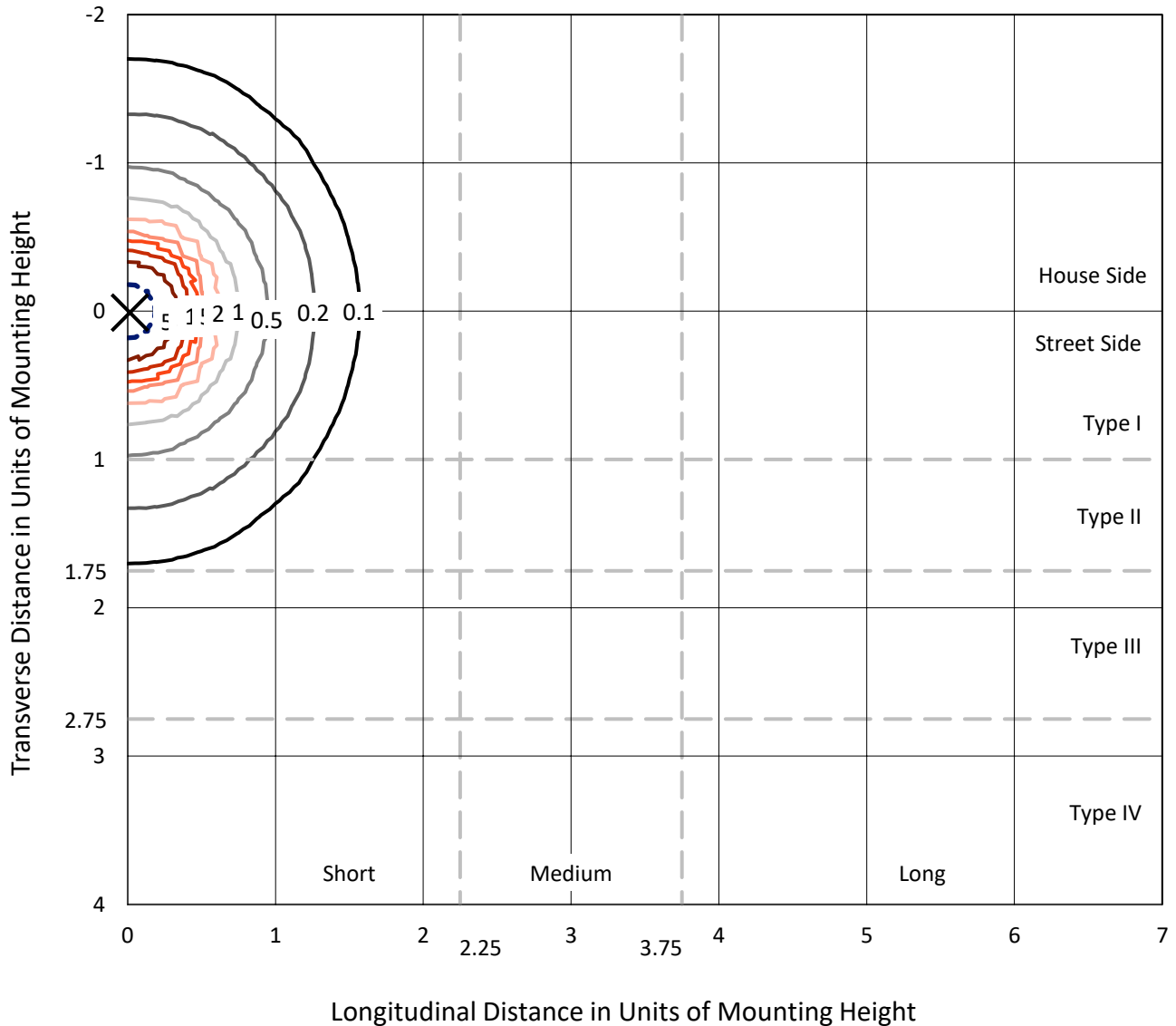
Input Watts (W): 422.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636267
 CATALOG NUMBER: IFLD-L-SA7D-950-U-33-VI

Iso-Footcandle Lines of Horizontal Illumination

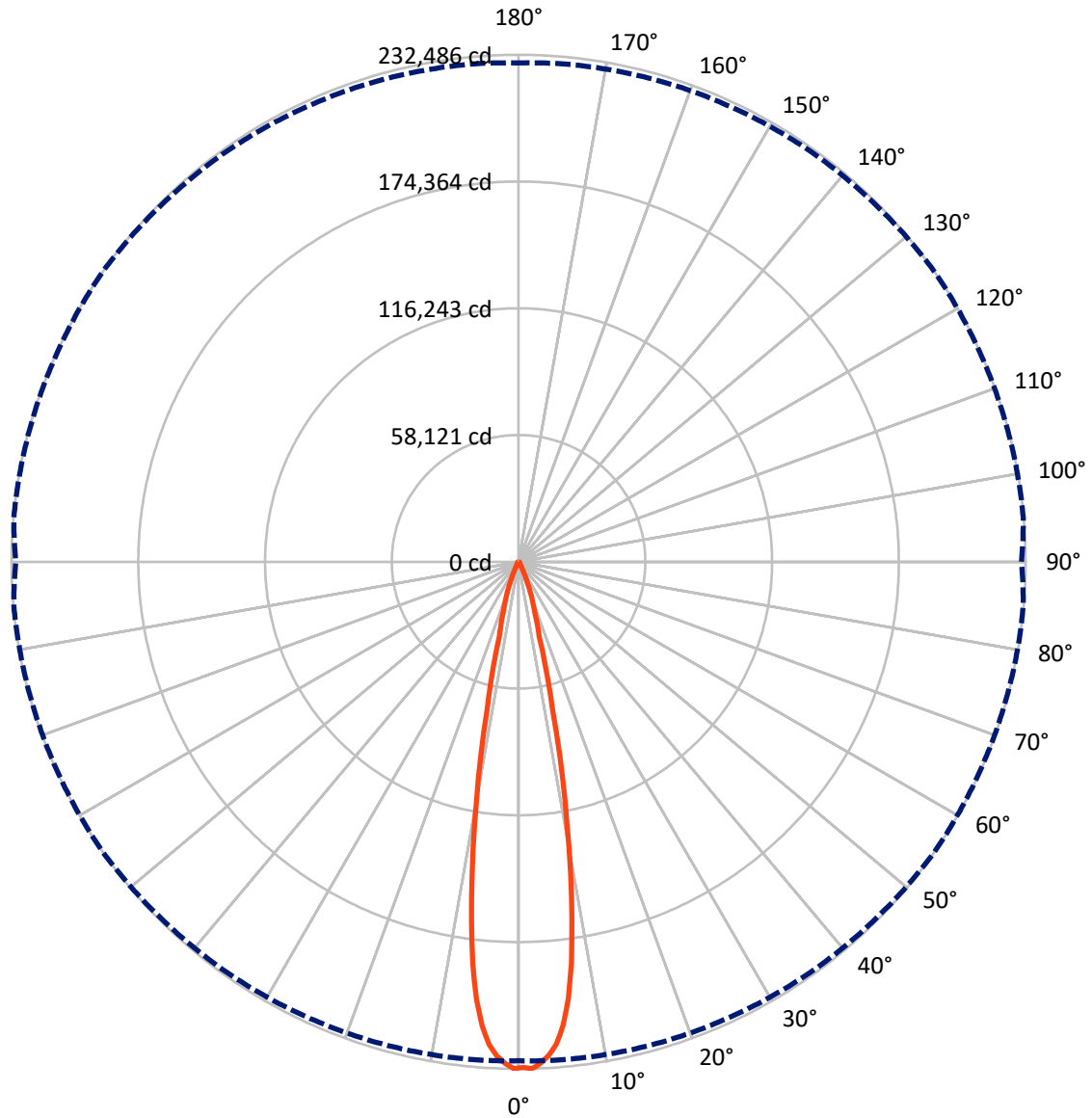
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 579.7 fc
 Type V - Short - N/A

REPORT NUMBER: P636267
CATALOG NUMBER: IFLD-L-SA7D-950-U-33-VI

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636267
 CATALOG NUMBER: IFLD-L-SA7D-950-U-33-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16865.5	0.0	16865.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16865.5	0.0	16865.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	33731.1	0.0	33731.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17137.9	50.8
10°-20°	12145.8	36.0
20°-30°	2846.0	8.4
30°-40°	594.8	1.8
40°-50°	383.7	1.1
50°-60°	284.2	0.8
60°-70°	193.2	0.6
70°-80°	103.1	0.3
80°-90°	42.3	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°	33731.1	100.0
0°-180°	33731.1	100.0

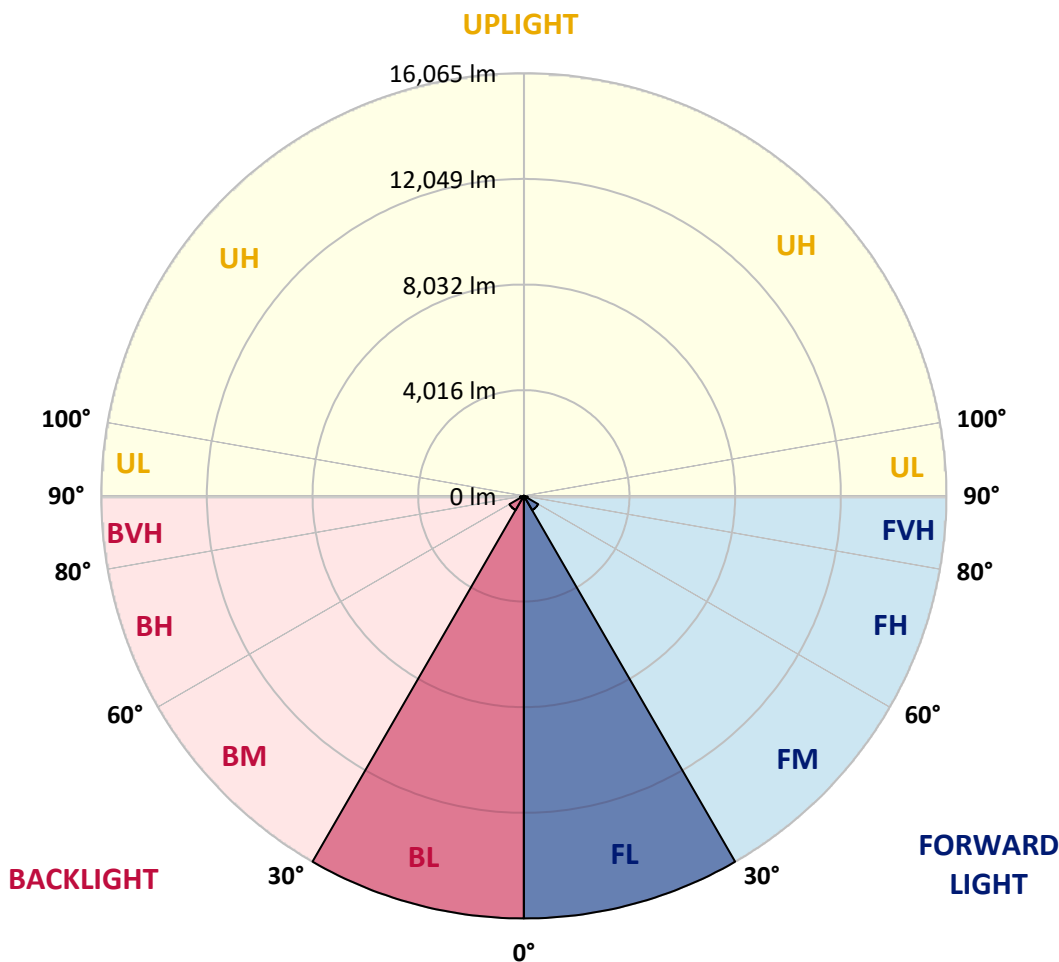


REPORT NUMBER: P636267
 CATALOG NUMBER: IFLD-L-SA7D-950-U-33-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	16064.9	47.6			
FM (30°-60°)	631.4	1.9			
FH (60°-80°)	148.2	0.4			G0/660
FVH (80°-90°)	21.1	0.1			G1/100
BL (0°-30°)	16064.9	47.6	B5		
BM (30°-60°)	631.4	1.9	B1/1000		
BH (60°-80°)	148.2	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: P636267
 CATALOG NUMBER: IFLD-L-SA7D-950-U-33-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	231888.9	231888.9	231888.9	231888.9	231888.9	231888.9	231888.9	231888.9	231888.9	231888.9
1°	228769.1	229192.6	229711.6	230182.8	230892.7	231471.4	232485.5	232270.7	232240.9	232282.6
2°	224336.9	224867.8	225667.1	226138.4	227969.7	228721.3	230254.4	230707.8	230343.9	230755.5
3°	217697.5	218133.0	219385.7	220310.3	222684.5	224712.7	226764.7	227444.8	227021.2	227212.1
4°	209793.5	210240.9	211756.1	213641.1	217071.1	219320.0	221777.7	222386.2	221002.3	221097.7
5°	200386.2	200595.0	202450.2	204168.2	208272.3	210998.5	213330.9	213521.8	212257.1	211773.9
6°	189803.8	189427.9	191134.0	191861.8	196962.1	199741.9	201448.0	201227.3	200266.9	199855.3
7°	177228.9	176715.9	178093.9	177700.2	182215.9	183802.7	185443.1	184691.5	183927.9	184876.4
8°	162679.6	162393.2	161504.4	163115.0	164009.8	165429.6	165423.6	164988.1	164964.3	166545.1
9°	141526.6	144169.3	143387.8	145076.0	144849.3	144783.7	144348.2	144067.8	142874.8	144694.2
10°	118297.8	120027.7	121346.0	123863.4	123374.2	124066.2	121644.3	122055.9	121262.5	122765.8
12.5°	61233.8	63178.4	64317.8	66238.6	68350.4	70509.8	69811.9	69090.0	68010.3	69334.6
15°	30142.6	30912.2	31276.0	33226.7	34729.9	35272.8	35356.3	34718.0	34443.6	34729.9
17.5°	18498.4	18766.8	19822.7	22065.6	23366.1	23688.2	23479.4	22781.5	22000.0	21671.9
20°	13392.1	13469.6	13869.3	14304.8	16040.7	16947.4	16613.3	15927.3	15205.5	14865.5
22.5°	8745.1	8822.7	8953.9	9192.5	9657.8	10779.3	10415.4	9950.1	9461.0	9359.5
25°	4951.2	4951.2	5088.4	5333.0	5679.0	5762.5	5834.1	5338.9	5112.3	5010.8
27.5°	2761.9	2779.8	2809.7	2905.1	3078.1	3060.2	2982.6	2851.4	2696.3	2535.3
30°	1527.1	1545.0	1562.9	1586.8	1616.6	1562.9	1515.2	1491.3	1425.7	1407.8
32.5°	1145.3	1145.3	1157.3	1151.3	1121.5	1055.9	1026.0	1061.8	1055.9	1026.0
35°	942.5	942.5	954.4	978.3	918.7	870.9	847.1	894.8	894.8	876.9
37.5°	769.5	775.5	781.5	811.3	793.4	739.7	733.7	745.7	751.6	745.7
40°	674.1	668.1	668.1	674.1	662.1	650.2	638.3	632.3	638.3	632.3
42.5°	584.6	578.6	590.6	578.6	554.8	560.7	560.7	542.8	548.8	536.9
45°	513.0	507.1	513.0	501.1	483.2	489.2	489.2	465.3	465.3	459.3
47.5°	453.4	453.4	453.4	459.3	429.5	423.5	429.5	423.5	405.6	399.7
50°	393.7	399.7	405.6	417.6	387.7	375.8	375.8	375.8	363.9	357.9
52.5°	363.9	369.8	369.8	369.8	352.0	340.0	340.0	334.1	328.1	322.1
55°	352.0	352.0	352.0	328.1	322.1	316.2	298.3	292.3	286.3	286.3
57.5°	334.1	334.1	328.1	310.2	292.3	292.3	268.4	262.5	256.5	256.5
60°	298.3	298.3	298.3	292.3	268.4	262.5	238.6	226.7	220.7	220.7
62.5°	274.4	274.4	274.4	250.5	244.6	226.7	208.8	190.9	184.9	173.0
65°	250.5	250.5	250.5	226.7	214.8	196.9	173.0	155.1	143.2	125.3
67.5°	232.6	232.6	226.7	208.8	190.9	167.0	143.2	125.3	101.4	89.5
70°	202.8	202.8	196.9	184.9	167.0	149.1	119.3	95.4	77.5	59.7
72.5°	173.0	173.0	167.0	155.1	143.2	125.3	101.4	83.5	53.7	41.8
75°	143.2	143.2	137.2	125.3	119.3	107.4	89.5	65.6	41.8	17.9
77.5°	119.3	119.3	113.3	107.4	101.4	89.5	77.5	53.7	29.8	11.9
80°	89.5	95.4	95.4	95.4	83.5	77.5	71.6	53.7	23.9	6.0
82.5°	65.6	71.6	71.6	71.6	65.6	59.7	65.6	47.7	23.9	6.0
85°	47.7	47.7	53.7	53.7	53.7	53.7	71.6	53.7	17.9	6.0
87.5°	23.9	23.9	23.9	23.9	23.9	29.8	35.8	29.8	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°
231888.9
230618.3
229192.6
225780.5
219678.0
210765.8
198930.7
184584.1
162160.6
141299.9
118912.2
65749.5
33393.7
21212.6
14603.0
9150.8
4927.3
2541.2
1407.8
1008.1
870.9
745.7
638.3
542.8
459.3
399.7
352.0
316.2
280.4
256.5
214.8
161.1
125.3
83.5
59.7
35.8
17.9
6.0
6.0
6.0
6.0
0.0
0.0

OF REPORT)