

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: P636185

Luminaire Tested: **IFLD-L-SA8D-930-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636185
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-930-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (128) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34143.3 lumens
Efficiency: N/A
Efficacy: 69.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

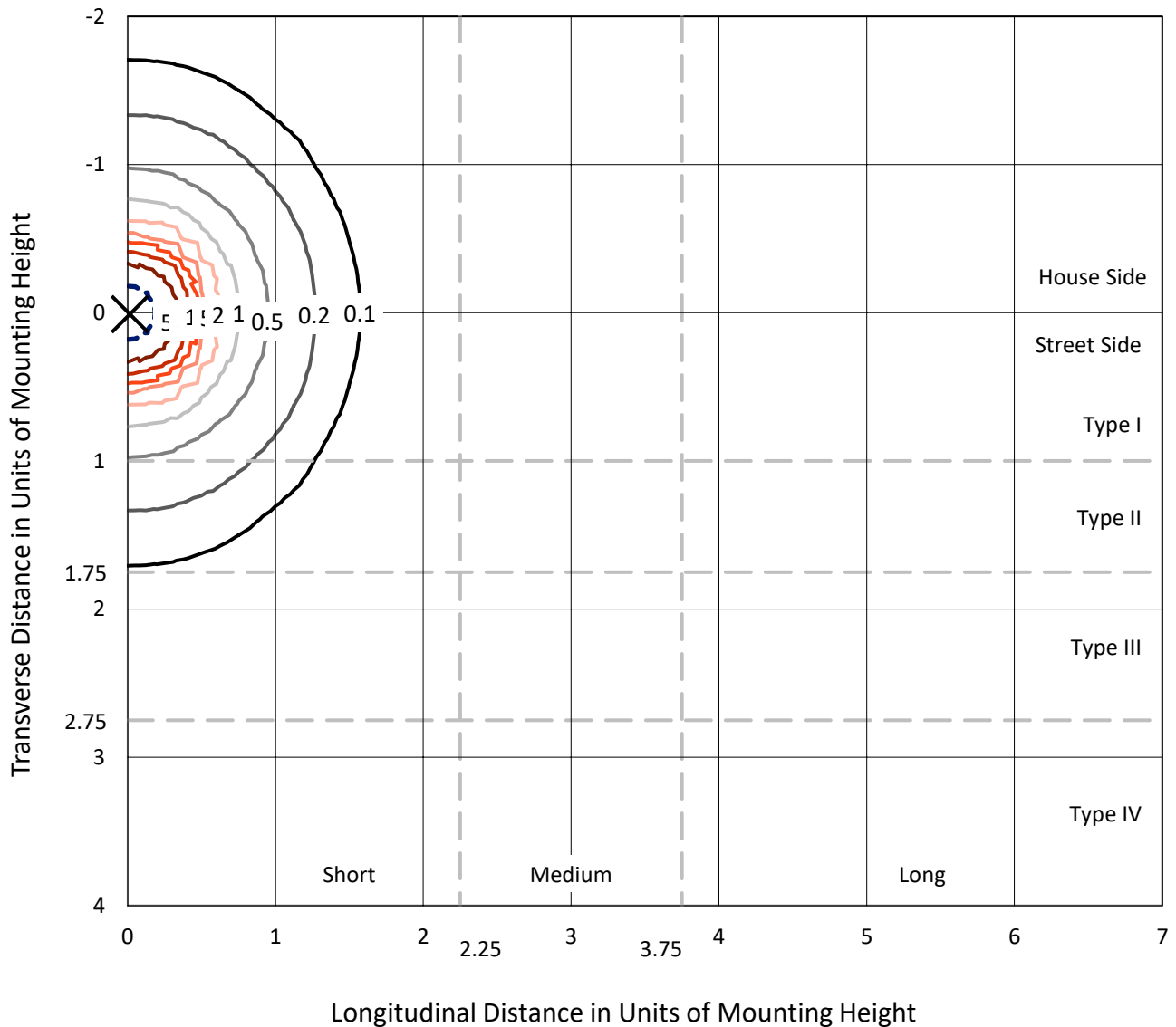
Input Watts (W): 488.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

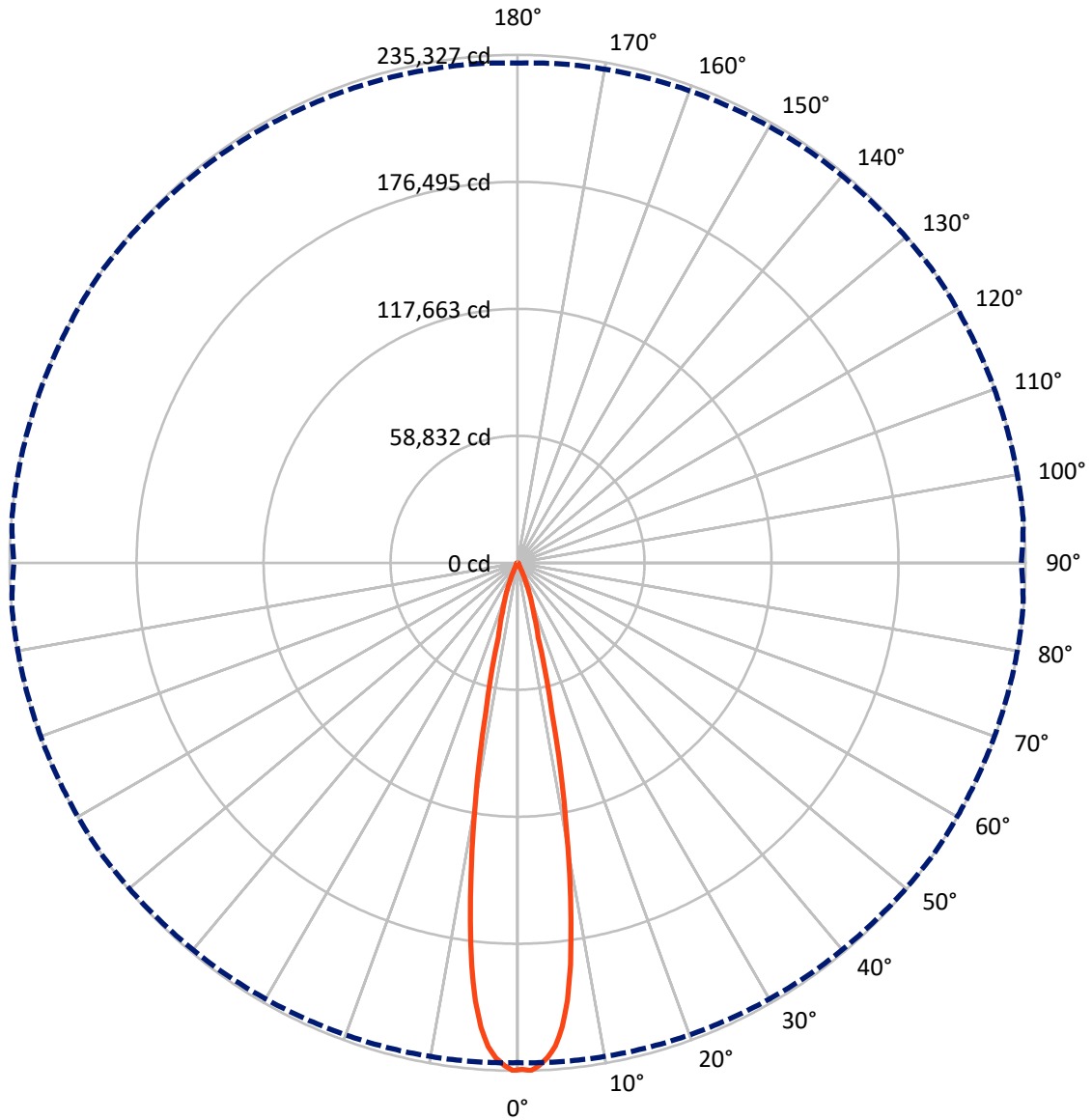
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 586.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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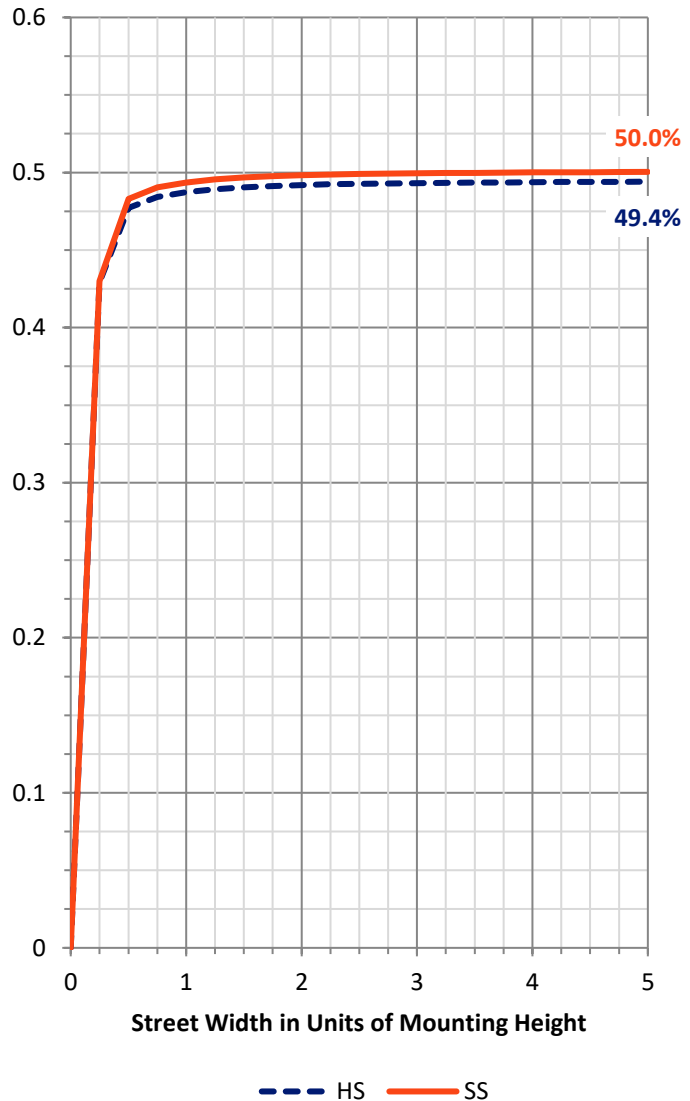
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17071.7	0.0	17071.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17071.7	0.0	17071.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	34143.3	0.0	34143.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17347.4	50.8
10°-20°	12294.3	36.0
20°-30°	2880.8	8.4
30°-40°	602.1	1.8
40°-50°	388.4	1.1
50°-60°	287.7	0.8
60°-70°	195.6	0.6
70°-80°	104.4	0.3
80°-90°	42.8	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°	34143.3	100.0
0°-180°	34143.3	100.0

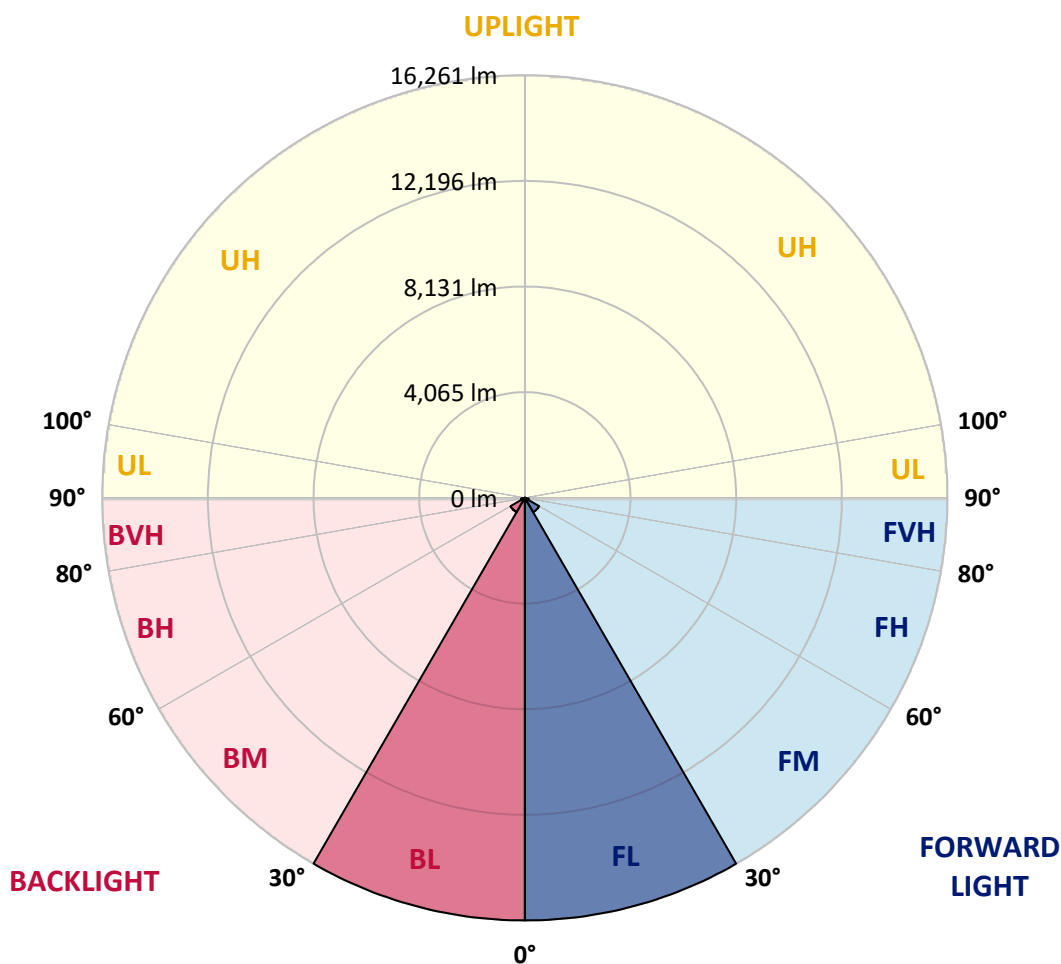


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	16261.2	47.6			
FM (30°-60°)	639.1	1.9			
FH (60°-80°)	150.0	0.4			G0/660
FVH (80°-90°)	21.4	0.1			G1/100
BL (0°-30°)	16261.2	47.6	B5		
BM (30°-60°)	639.1	1.9	B1/1000		
BH (60°-80°)	150.0	0.4	B1/500		G0/660
BVH (80°-90°)	21.4	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	234722.7	234722.7	234722.7	234722.7	234722.7	234722.7	234722.7	234722.7	234722.7	234722.7
1°	231564.7	231993.4	232518.7	232995.8	233714.3	234300.0	235326.5	235109.1	235078.9	235121.2
2°	227078.3	227615.7	228424.8	228901.9	230755.6	231516.4	233068.2	233527.1	233158.8	233575.4
3°	220357.8	220798.6	222066.6	223002.5	225405.7	227458.7	229535.9	230224.2	229795.5	229988.7
4°	212357.2	212810.1	214343.8	216251.8	219723.8	222000.2	224487.9	225103.8	223703.0	223799.6
5°	202835.0	203046.3	204924.2	206663.2	210817.5	213576.9	215937.9	216131.1	214851.0	214361.9
6°	192123.2	191742.8	193469.7	194206.4	199369.1	202182.9	203909.8	203686.4	202714.2	202297.6
7°	179394.7	178875.4	180270.3	179871.7	184442.6	186048.8	187709.3	186948.5	186175.6	187135.7
8°	164667.6	164377.7	163478.0	165108.4	166014.1	167451.2	167445.1	167004.3	166980.2	168580.3
9°	143256.1	145931.0	145140.0	146848.9	146619.4	146553.0	146112.2	145828.4	144620.8	146462.4
10°	119743.4	121494.5	122828.9	125377.0	124881.9	125582.3	123130.8	123547.5	122744.4	124266.0
12.5°	61982.1	63950.5	65103.8	67048.1	69185.6	71371.4	70665.0	69934.4	68841.4	70181.9
15°	30511.0	31289.9	31658.2	33632.7	35154.4	35703.8	35788.4	35142.3	34864.5	35154.4
17.5°	18724.4	18996.2	20064.9	22335.3	23651.6	23977.7	23766.3	23059.9	22268.9	21936.8
20°	13555.7	13634.2	14038.8	14479.6	16236.7	17154.5	16816.4	16122.0	15391.4	15047.2
22.5°	8852.0	8930.5	9063.3	9304.9	9775.8	10911.0	10542.7	10071.7	9576.6	9473.9
25°	5011.7	5011.7	5150.6	5398.1	5748.4	5832.9	5905.4	5404.2	5174.7	5072.1
27.5°	2795.7	2813.8	2844.0	2940.6	3115.7	3097.6	3019.1	2886.3	2729.3	2566.2
30°	1545.8	1563.9	1582.0	1606.2	1636.4	1582.0	1533.7	1509.5	1443.1	1425.0
32.5°	1159.3	1159.3	1171.4	1165.4	1135.2	1068.8	1038.6	1074.8	1068.8	1038.6
35°	954.0	954.0	966.1	990.3	929.9	881.6	857.4	905.7	905.7	887.6
37.5°	778.9	785.0	791.0	821.2	803.1	748.7	742.7	754.8	760.8	754.8
40°	682.3	676.3	676.3	682.3	670.2	658.2	646.1	640.0	646.1	640.0
42.5°	591.7	585.7	597.8	585.7	561.6	567.6	567.6	549.5	555.5	543.4
45°	519.3	513.2	519.3	507.2	489.1	495.1	495.1	471.0	471.0	464.9
47.5°	458.9	458.9	458.9	464.9	434.7	428.7	434.7	428.7	410.6	404.6
50°	398.5	404.6	410.6	422.7	392.5	380.4	380.4	380.4	368.3	362.3
52.5°	368.3	374.4	374.4	374.4	356.3	344.2	344.2	338.1	332.1	326.1
55°	356.3	356.3	356.3	332.1	326.1	320.0	301.9	295.9	289.8	289.8
57.5°	338.1	338.1	332.1	314.0	295.9	295.9	271.7	265.7	259.6	259.6
60°	301.9	301.9	301.9	295.9	271.7	265.7	241.5	229.5	223.4	223.4
62.5°	277.8	277.8	277.8	253.6	247.6	229.5	211.3	193.2	187.2	175.1
65°	253.6	253.6	253.6	229.5	217.4	199.3	175.1	157.0	144.9	126.8
67.5°	235.5	235.5	229.5	211.3	193.2	169.1	144.9	126.8	102.6	90.6
70°	205.3	205.3	199.3	187.2	169.1	151.0	120.8	96.6	78.5	60.4
72.5°	175.1	175.1	169.1	157.0	144.9	126.8	102.6	84.5	54.3	42.3
75°	144.9	144.9	138.9	126.8	120.8	108.7	90.6	66.4	42.3	18.1
77.5°	120.8	120.8	114.7	108.7	102.6	90.6	78.5	54.3	30.2	12.1
80°	90.6	96.6	96.6	96.6	84.5	78.5	72.5	54.3	24.2	6.0
82.5°	66.4	72.5	72.5	72.5	66.4	60.4	66.4	48.3	24.2	6.0
85°	48.3	48.3	54.3	54.3	54.3	54.3	72.5	54.3	18.1	6.0
87.5°	24.2	24.2	24.2	24.2	24.2	30.2	36.2	30.2	12.1	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°
234722.7
233436.5
231993.4
228539.6
222362.5
213341.4
201361.7
186839.8
164142.2
143026.7
120365.3
66553.0
33801.8
21471.8
14781.5
9262.6
4987.5
2572.3
1425.0
1020.5
881.6
754.8
646.1
549.5
464.9
404.6
356.3
320.0
283.8
259.6
217.4
163.0
126.8
84.5
60.4
36.2
18.1
6.0
6.0
6.0
6.0
0.0
0.0

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