

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: P636156

Luminaire Tested: **IFLD-L-SA8D-927-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636156
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-927-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (128) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33775.2 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

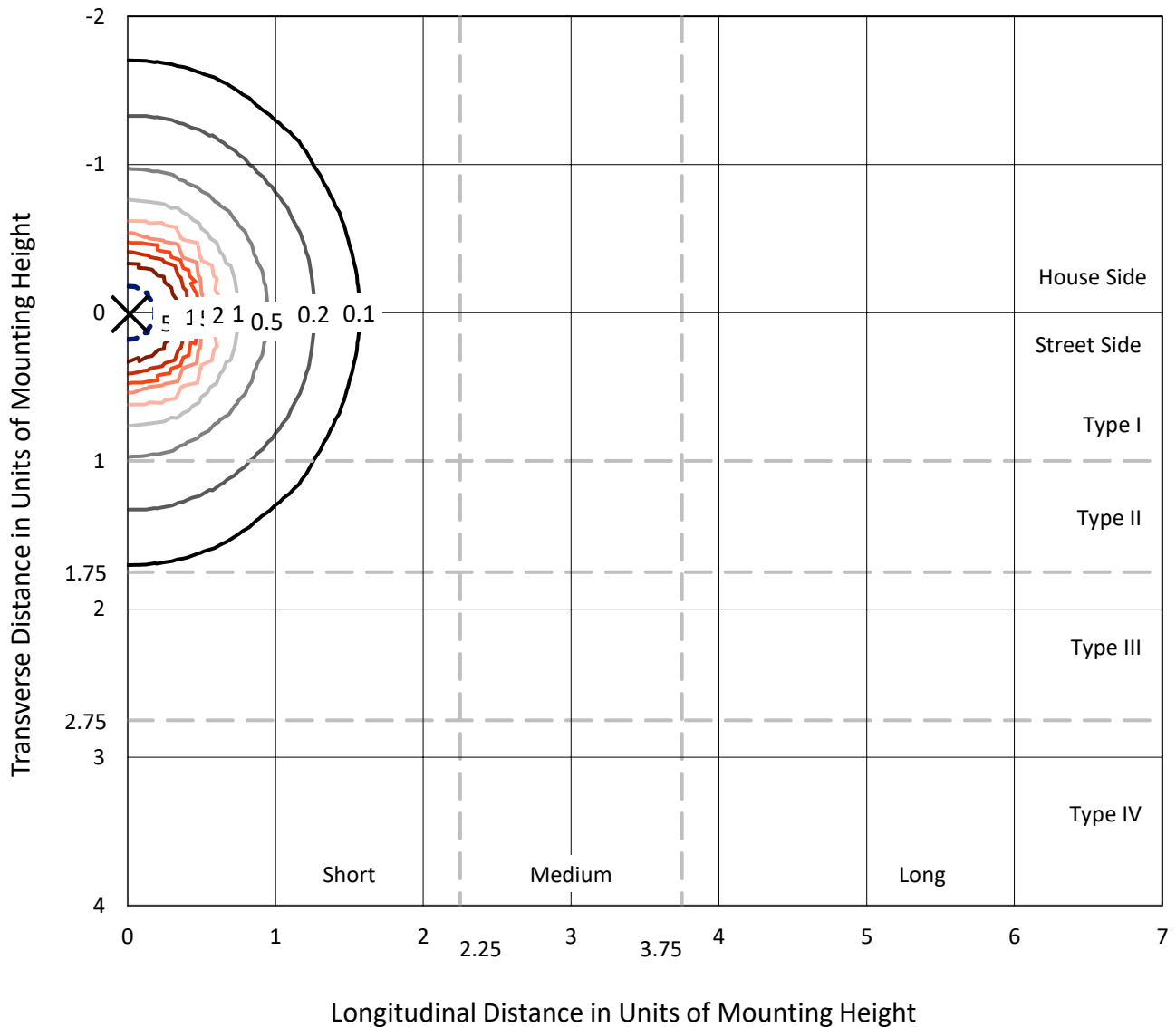
Input Watts (W): 488.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

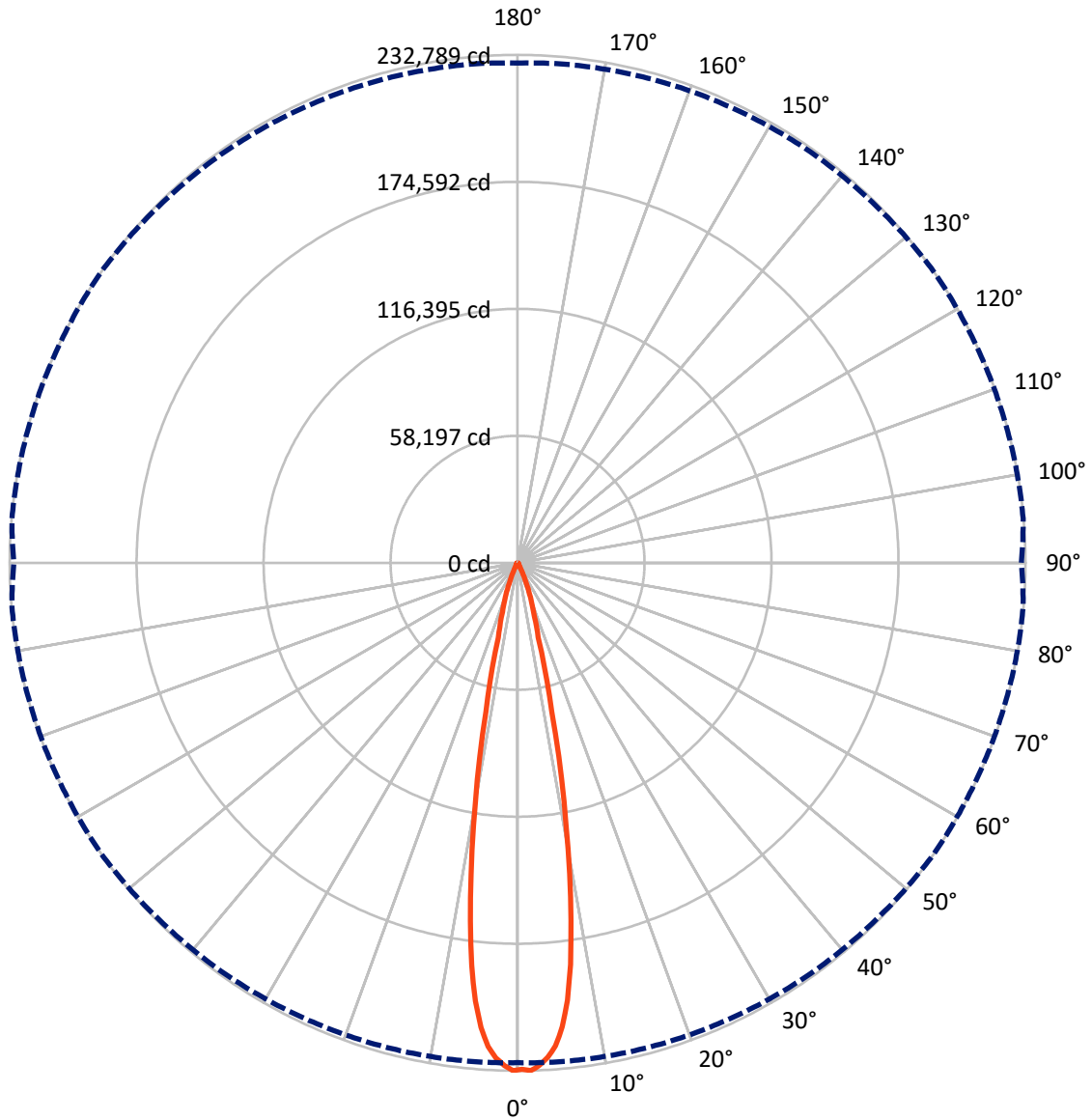
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 580.5 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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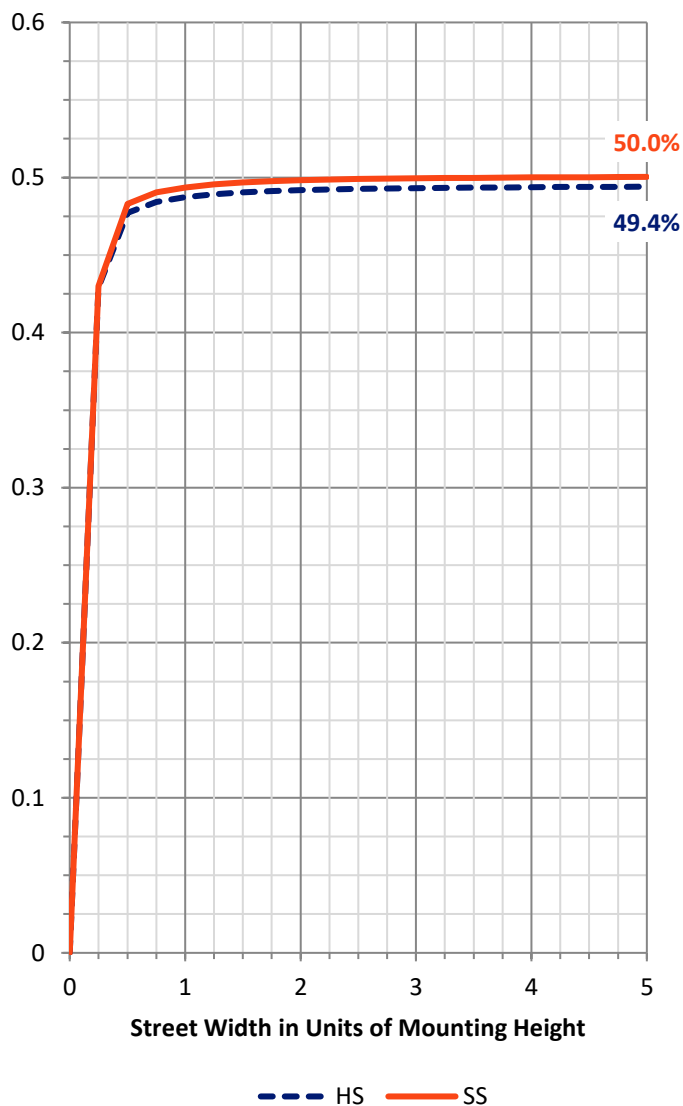
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16887.6	0.0	16887.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16887.6	0.0	16887.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	33775.2	0.0	33775.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17160.3	50.8
10°-20°	12161.7	36.0
20°-30°	2849.7	8.4
30°-40°	595.6	1.8
40°-50°	384.3	1.1
50°-60°	284.6	0.8
60°-70°	193.4	0.6
70°-80°	103.3	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°	33775.2	100.0
0°-180°	33775.2	100.0

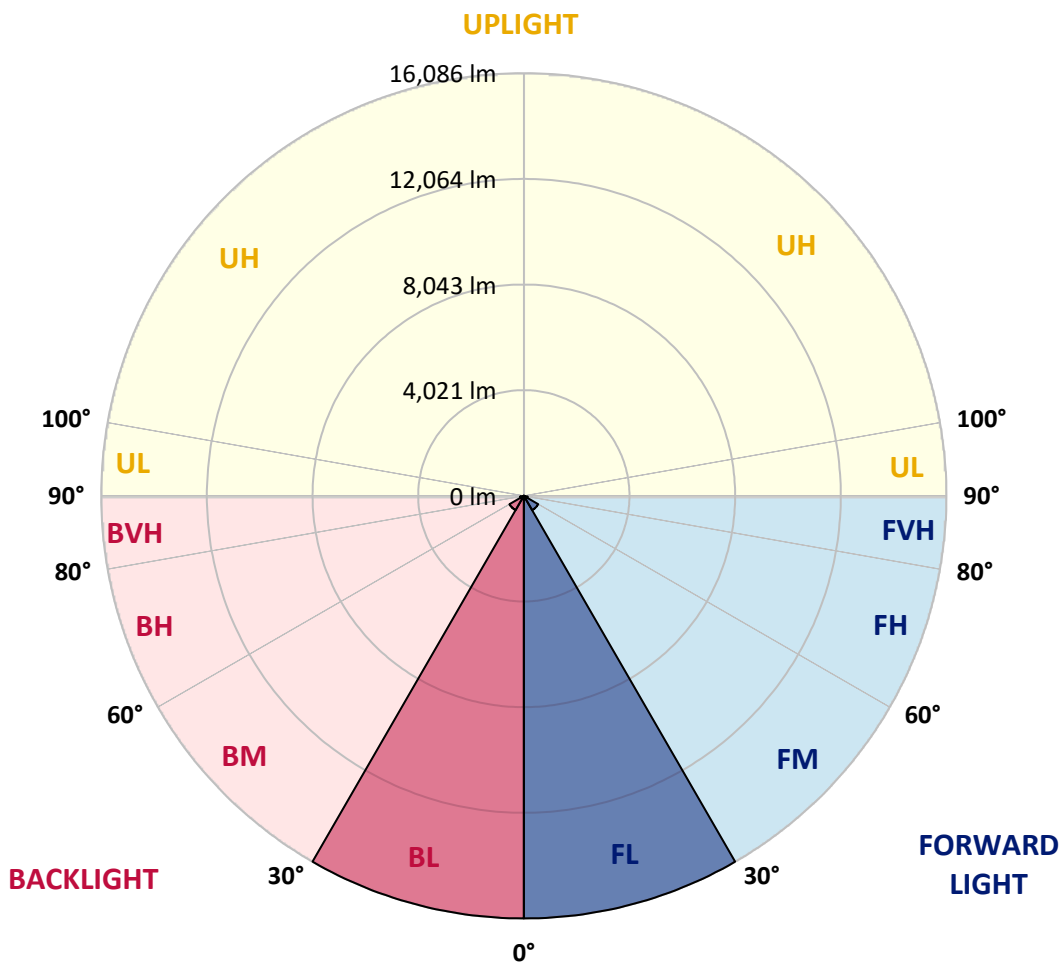


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	16085.9	47.6			
FM (30°-60°)	632.2	1.9			
FH (60°-80°)	148.4	0.4			G0/660
FVH (80°-90°)	21.2	0.1			G1/100
BL (0°-30°)	16085.9	47.6	B5		
BM (30°-60°)	632.2	1.9	B1/1000		
BH (60°-80°)	148.4	0.4	B1/500		G0/660
BVH (80°-90°)	21.2	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°	232192.1	232192.1	232192.1	232192.1	232192.1	232192.1	232192.1	232192.1	232192.1	232192.1
1°	229068.1	229492.2	230011.9	230483.8	231194.6	231774.0	232789.4	232574.4	232544.5	232586.3
2°	224630.1	225161.7	225962.1	226434.0	228267.8	229020.4	230555.4	231009.4	230645.0	231057.2
3°	217982.1	218418.1	219672.5	220598.3	222975.6	225006.4	227061.2	227742.1	227318.0	227509.2
4°	210067.7	210515.7	212032.9	213920.4	217354.9	219606.8	222067.7	222676.9	221291.2	221386.7
5°	200648.2	200857.2	202714.9	204435.1	208544.6	211274.3	213609.8	213800.9	212534.6	212050.8
6°	190051.9	189675.6	191383.9	192112.6	197219.6	200003.1	201711.4	201490.4	200528.7	200116.6
7°	177460.6	176946.9	178326.7	177932.5	182454.1	184043.0	185685.6	184933.0	184168.4	185118.1
8°	162892.2	162605.5	161715.5	163328.3	164224.2	165645.8	165639.9	165203.8	165179.9	166762.8
9°	141711.6	144357.7	143575.3	145265.6	145038.7	144973.0	144536.9	144256.2	143061.6	144883.4
10°	118452.4	120184.6	121504.7	124025.3	123535.5	124228.4	121803.3	122215.5	121421.0	122926.3
12.5°	61313.8	63261.0	64401.9	66325.2	68439.7	70602.0	69903.1	69180.4	68099.2	69425.3
15°	30182.0	30952.6	31316.9	33270.1	34775.4	35318.9	35402.5	34763.4	34488.6	34775.4
17.5°	18522.6	18791.4	19848.6	22094.5	23396.6	23719.2	23510.1	22811.2	22028.8	21700.2
20°	13409.6	13487.2	13887.4	14323.5	16061.6	16969.6	16635.1	15948.2	15225.4	14884.9
22.5°	8756.6	8834.2	8965.6	9204.5	9670.4	10793.4	10429.0	9963.1	9473.3	9371.8
25°	4957.7	4957.7	5095.0	5339.9	5686.4	5770.0	5841.7	5345.9	5118.9	5017.4
27.5°	2765.5	2783.5	2813.3	2908.9	3082.1	3064.2	2986.5	2855.1	2699.8	2538.6
30°	1529.1	1547.0	1565.0	1588.8	1618.7	1565.0	1517.2	1493.3	1427.6	1409.7
32.5°	1146.8	1146.8	1158.8	1152.8	1122.9	1057.2	1027.4	1063.2	1057.2	1027.4
35°	943.7	943.7	955.7	979.6	919.9	872.1	848.2	896.0	896.0	878.0
37.5°	770.5	776.5	782.5	812.3	794.4	740.7	734.7	746.6	752.6	746.6
40°	675.0	669.0	669.0	675.0	663.0	651.1	639.1	633.1	639.1	633.1
42.5°	585.4	579.4	591.3	579.4	555.5	561.5	561.5	543.6	549.5	537.6
45°	513.7	507.7	513.7	501.7	483.8	489.8	489.8	465.9	465.9	459.9
47.5°	454.0	454.0	454.0	459.9	430.1	424.1	430.1	424.1	406.2	400.2
50°	394.2	400.2	406.2	418.1	388.3	376.3	376.3	376.3	364.4	358.4
52.5°	364.4	370.3	370.3	370.3	352.4	340.5	340.5	334.5	328.5	322.5
55°	352.4	352.4	352.4	328.5	322.5	316.6	298.7	292.7	286.7	286.7
57.5°	334.5	334.5	328.5	310.6	292.7	292.7	268.8	262.8	256.8	256.8
60°	298.7	298.7	298.7	292.7	268.8	262.8	238.9	227.0	221.0	221.0
62.5°	274.8	274.8	274.8	250.9	244.9	227.0	209.1	191.1	185.2	173.2
65°	250.9	250.9	250.9	227.0	215.0	197.1	173.2	155.3	143.4	125.4
67.5°	233.0	233.0	227.0	209.1	191.1	167.2	143.4	125.4	101.5	89.6
70°	203.1	203.1	197.1	185.2	167.2	149.3	119.5	95.6	77.7	59.7
72.5°	173.2	173.2	167.2	155.3	143.4	125.4	101.5	83.6	53.8	41.8
75°	143.4	143.4	137.4	125.4	119.5	107.5	89.6	65.7	41.8	17.9
77.5°	119.5	119.5	113.5	107.5	101.5	89.6	77.7	53.8	29.9	11.9
80°	89.6	95.6	95.6	95.6	83.6	77.7	71.7	53.8	23.9	6.0
82.5°	65.7	71.7	71.7	71.7	65.7	59.7	65.7	47.8	23.9	6.0
85°	47.8	47.8	53.8	53.8	53.8	53.8	71.7	53.8	17.9	6.0
87.5°	23.9	23.9	23.9	23.9	23.9	29.9	35.8	29.9	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°
232192.1
230919.8
229492.2
226075.6
219965.2
211041.3
199190.7
184825.4
162372.6
141484.7
119067.7
65835.4
33437.4
21240.3
14622.1
9162.7
4933.8
2544.5
1409.7
1009.5
872.1
746.6
639.1
543.6
459.9
400.2
352.4
316.6
280.7
256.8
215.0
161.3
125.4
83.6
59.7
35.8
17.9
6.0
6.0
6.0
6.0
0.0
0.0

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