

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: P636152

Luminaire Tested: **IFLD-L-SA7E-927-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636152
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7E-927-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (112) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34201.6 lumens
Efficiency: N/A
Efficacy: 64.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

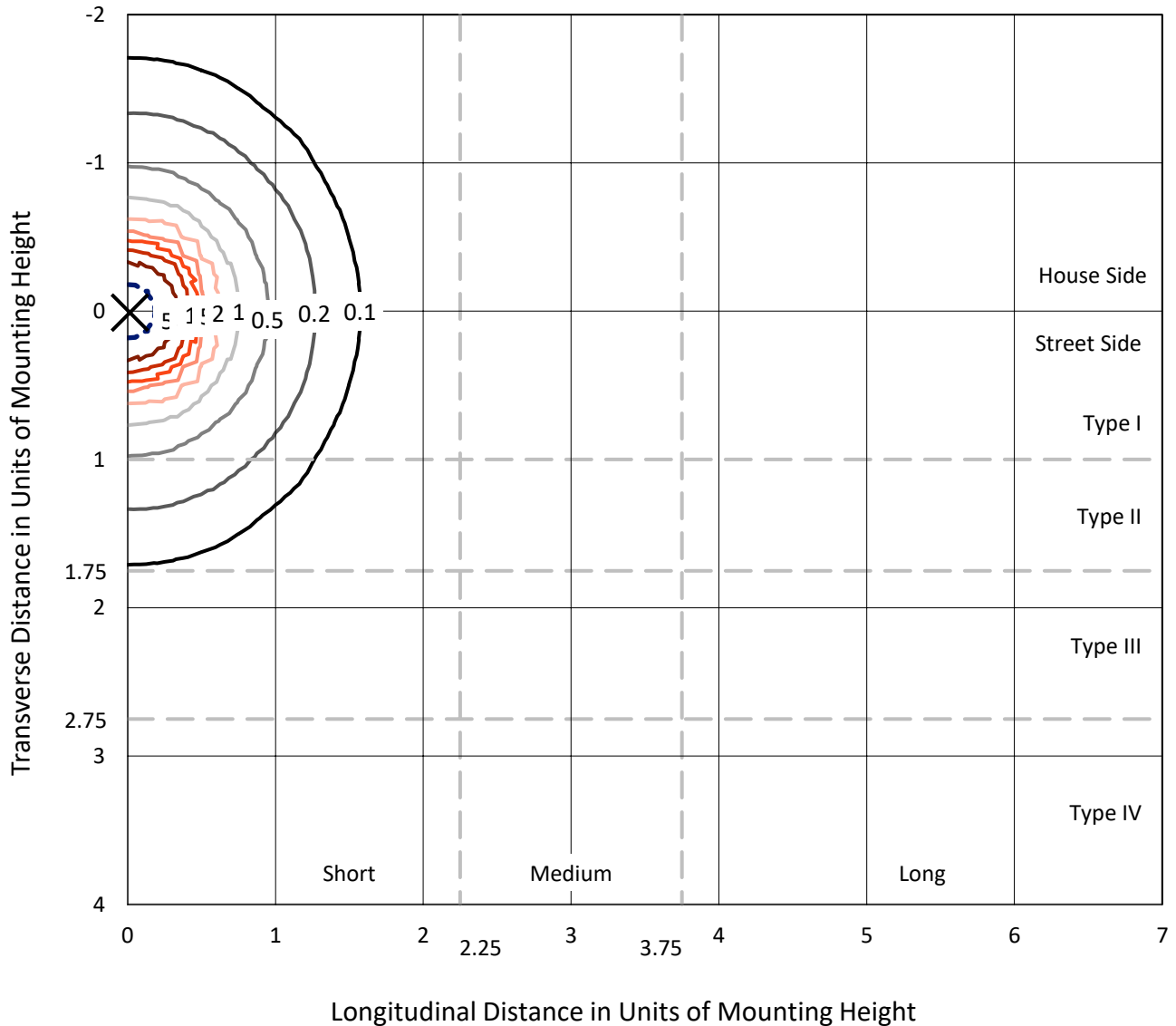
Input Watts (W): 532.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

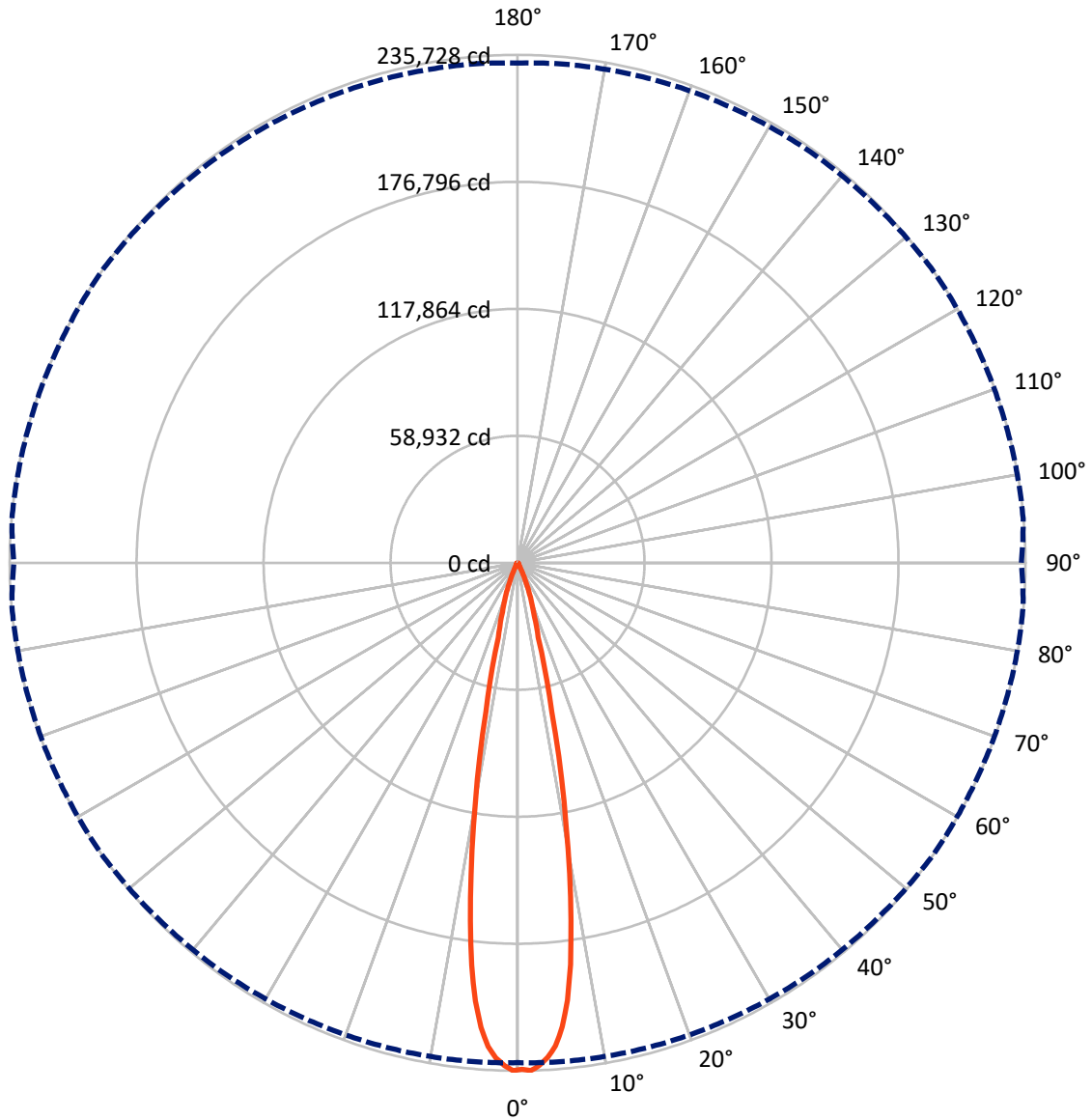
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 587.8 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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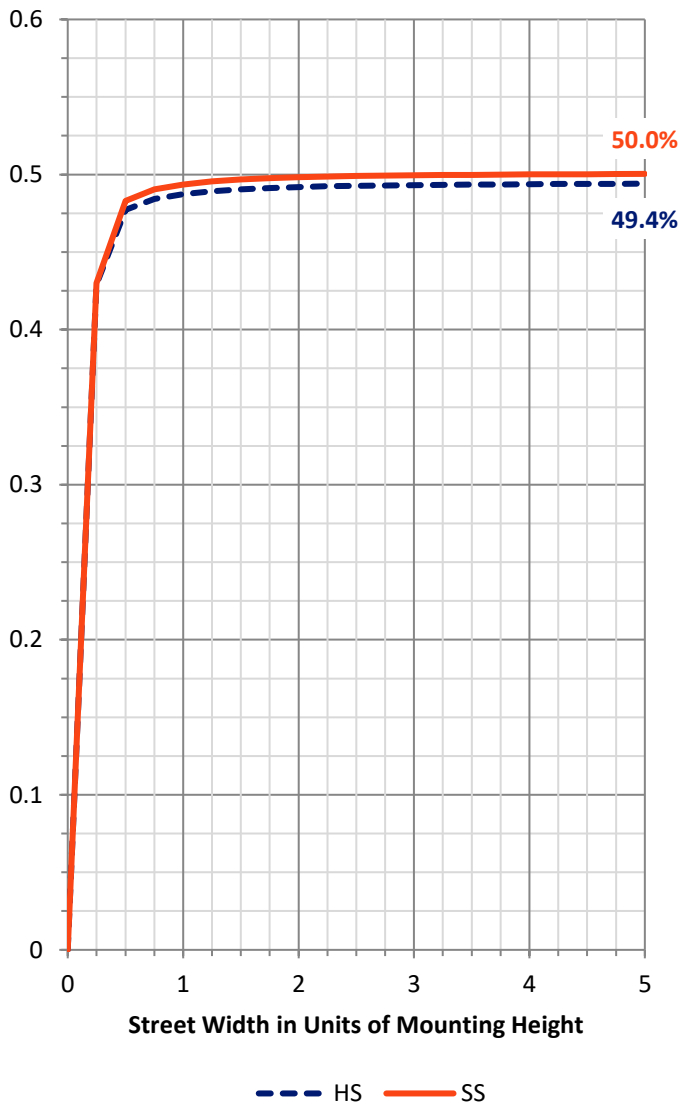
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17100.8	0.0	17100.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17100.8	0.0	17100.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	34201.6	0.0	34201.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17377.0	50.8
10°-20°	12315.2	36.0
20°-30°	2885.7	8.4
30°-40°	603.1	1.8
40°-50°	389.1	1.1
50°-60°	288.2	0.8
60°-70°	195.9	0.6
70°-80°	104.5	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°	34201.6	100.0
0°-180°	34201.6	100.0

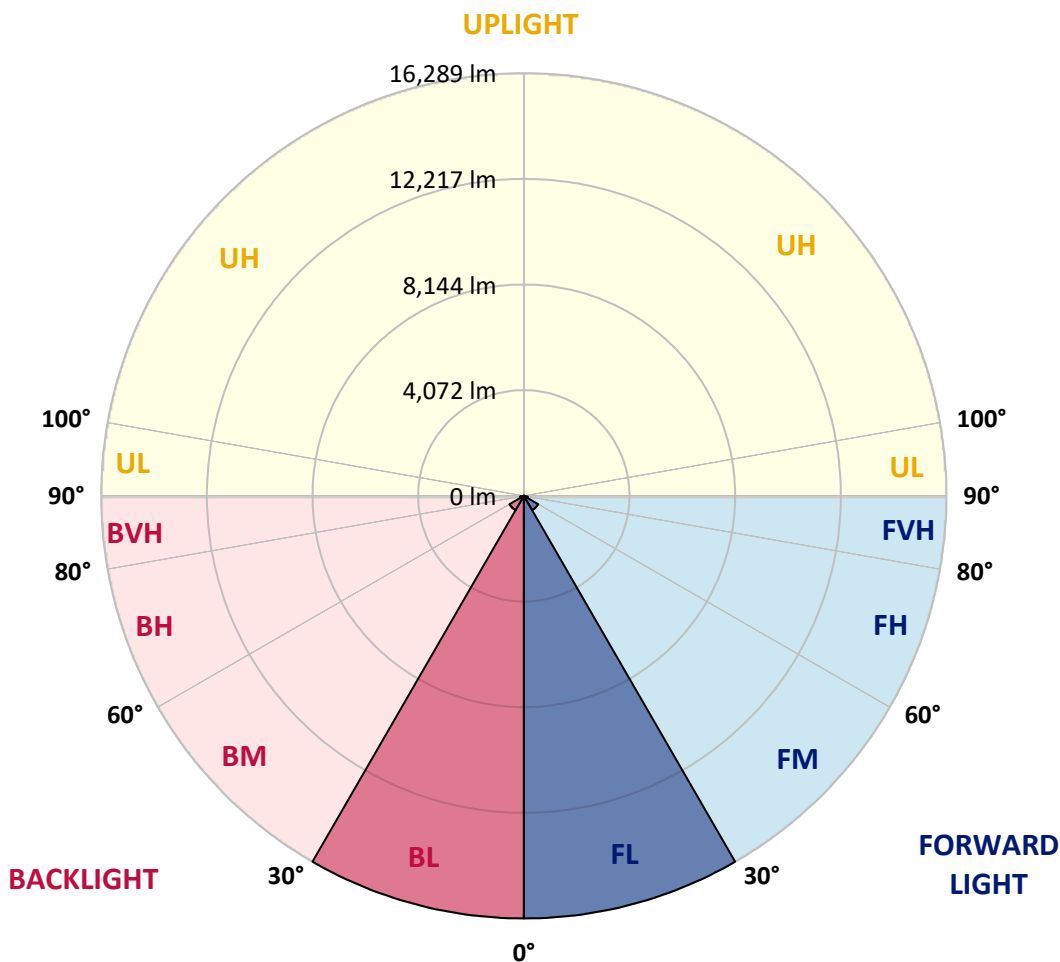


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	16288.9	47.6			
FM (30°-60°)	640.2	1.9			
FH (60°-80°)	150.2	0.4			G0/660
FVH (80°-90°)	21.4	0.1			G1/100
BL (0°-30°)	16288.9	47.6	B5		
BM (30°-60°)	640.2	1.9	B1/1000		
BH (60°-80°)	150.2	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°	235123.4	235123.4	235123.4	235123.4	235123.4	235123.4	235123.4	235123.4	235123.4	235123.4
1°	231960.0	232389.5	232915.7	233393.5	234113.3	234700.0	235728.2	235510.5	235480.3	235522.6
2°	227466.0	228004.3	228814.8	229292.6	231149.5	231911.6	233466.1	233925.8	233556.8	233974.2
3°	220734.0	221175.5	222445.7	223383.3	225790.6	227847.0	229927.7	230617.3	230187.8	230381.4
4°	212719.7	213173.4	214709.7	216621.0	220098.9	222379.2	224871.2	225488.1	224084.9	224181.7
5°	203181.3	203393.0	205274.0	207016.0	211177.4	213941.5	216306.5	216500.1	215217.8	214727.8
6°	192451.2	192070.2	193800.0	194537.9	199709.4	202528.0	204257.9	204034.1	203060.3	202642.9
7°	179701.0	179180.8	180578.0	180178.8	184757.5	186366.4	188029.8	187267.6	186493.4	187455.2
8°	164948.7	164658.4	163757.1	165390.2	166297.5	167737.0	167731.0	167289.4	167265.3	168868.1
9°	143500.7	146180.2	145387.8	147099.6	146869.7	146803.2	146361.6	146077.4	144867.7	146712.4
10°	119947.8	121701.9	123038.6	125591.1	125095.1	125796.7	123341.0	123758.4	122953.9	124478.2
12.5°	62087.9	64059.7	65214.9	67162.6	69303.7	71493.3	70785.6	70053.7	68959.0	70301.7
15°	30563.1	31343.3	31712.3	33690.2	35214.4	35764.8	35849.5	35202.3	34924.0	35214.4
17.5°	18756.4	19028.6	20099.2	22373.4	23692.0	24018.6	23806.9	23099.2	22306.9	21974.2
20°	13578.9	13657.5	14062.8	14504.3	16264.4	17183.8	16845.1	16149.5	15417.6	15072.9
22.5°	8867.1	8945.7	9078.8	9320.7	9792.5	10929.6	10560.7	10088.9	9592.9	9490.1
25°	5020.3	5020.3	5159.4	5407.4	5758.2	5842.9	5915.4	5413.4	5183.6	5080.7
27.5°	2800.5	2818.6	2848.8	2945.6	3121.0	3102.9	3024.3	2891.2	2733.9	2570.6
30°	1548.4	1566.6	1584.7	1608.9	1639.1	1584.7	1536.3	1512.1	1445.6	1427.4
32.5°	1161.3	1161.3	1173.4	1167.4	1137.1	1070.6	1040.3	1076.6	1070.6	1040.3
35°	955.7	955.7	967.8	992.0	931.5	883.1	858.9	907.3	907.3	889.1
37.5°	780.3	786.3	792.4	822.6	804.5	750.0	744.0	756.1	762.1	756.1
40°	683.5	677.4	677.4	683.5	671.4	659.3	647.2	641.1	647.2	641.1
42.5°	592.8	586.7	598.8	586.7	562.5	568.6	568.6	550.4	556.5	544.4
45°	520.2	514.1	520.2	508.1	489.9	496.0	496.0	471.8	471.8	465.7
47.5°	459.7	459.7	459.7	465.7	435.5	429.4	435.5	429.4	411.3	405.2
50°	399.2	405.2	411.3	423.4	393.2	381.1	381.1	381.1	369.0	362.9
52.5°	369.0	375.0	375.0	375.0	356.9	344.8	344.8	338.7	332.7	326.6
55°	356.9	356.9	356.9	332.7	326.6	320.6	302.4	296.4	290.3	290.3
57.5°	338.7	338.7	332.7	314.5	296.4	296.4	272.2	266.1	260.1	260.1
60°	302.4	302.4	302.4	296.4	272.2	266.1	241.9	229.8	223.8	223.8
62.5°	278.2	278.2	278.2	254.0	248.0	229.8	211.7	193.6	187.5	175.4
65°	254.0	254.0	254.0	229.8	217.7	199.6	175.4	157.3	145.2	127.0
67.5°	235.9	235.9	229.8	211.7	193.6	169.4	145.2	127.0	102.8	90.7
70°	205.6	205.6	199.6	187.5	169.4	151.2	121.0	96.8	78.6	60.5
72.5°	175.4	175.4	169.4	157.3	145.2	127.0	102.8	84.7	54.4	42.3
75°	145.2	145.2	139.1	127.0	121.0	108.9	90.7	66.5	42.3	18.1
77.5°	121.0	121.0	114.9	108.9	102.8	90.7	78.6	54.4	30.2	12.1
80°	90.7	96.8	96.8	96.8	84.7	78.6	72.6	54.4	24.2	6.0
82.5°	66.5	72.6	72.6	72.6	66.5	60.5	66.5	48.4	24.2	6.0
85°	48.4	48.4	54.4	54.4	54.4	54.4	72.6	54.4	18.1	6.0
87.5°	24.2	24.2	24.2	24.2	24.2	30.2	36.3	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°
235123.4
233835.1
232389.5
228929.7
222742.1
213705.6
201705.4
187158.8
164422.5
143270.9
120570.8
66666.6
33859.5
21508.5
14806.7
9278.4
4996.1
2576.7
1427.4
1022.2
883.1
756.1
647.2
550.4
465.7
405.2
356.9
320.6
284.3
260.1
217.7
163.3
127.0
84.7
60.5
36.3
18.1
6.0
6.0
6.0
6.0
0.0
0.0

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