

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: P635847

Luminaire Tested: **IFLD-S-SA3E-927-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635847
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-927-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (48) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12539.9 lumens
Efficiency: N/A
Efficacy: 54.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 232.1
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



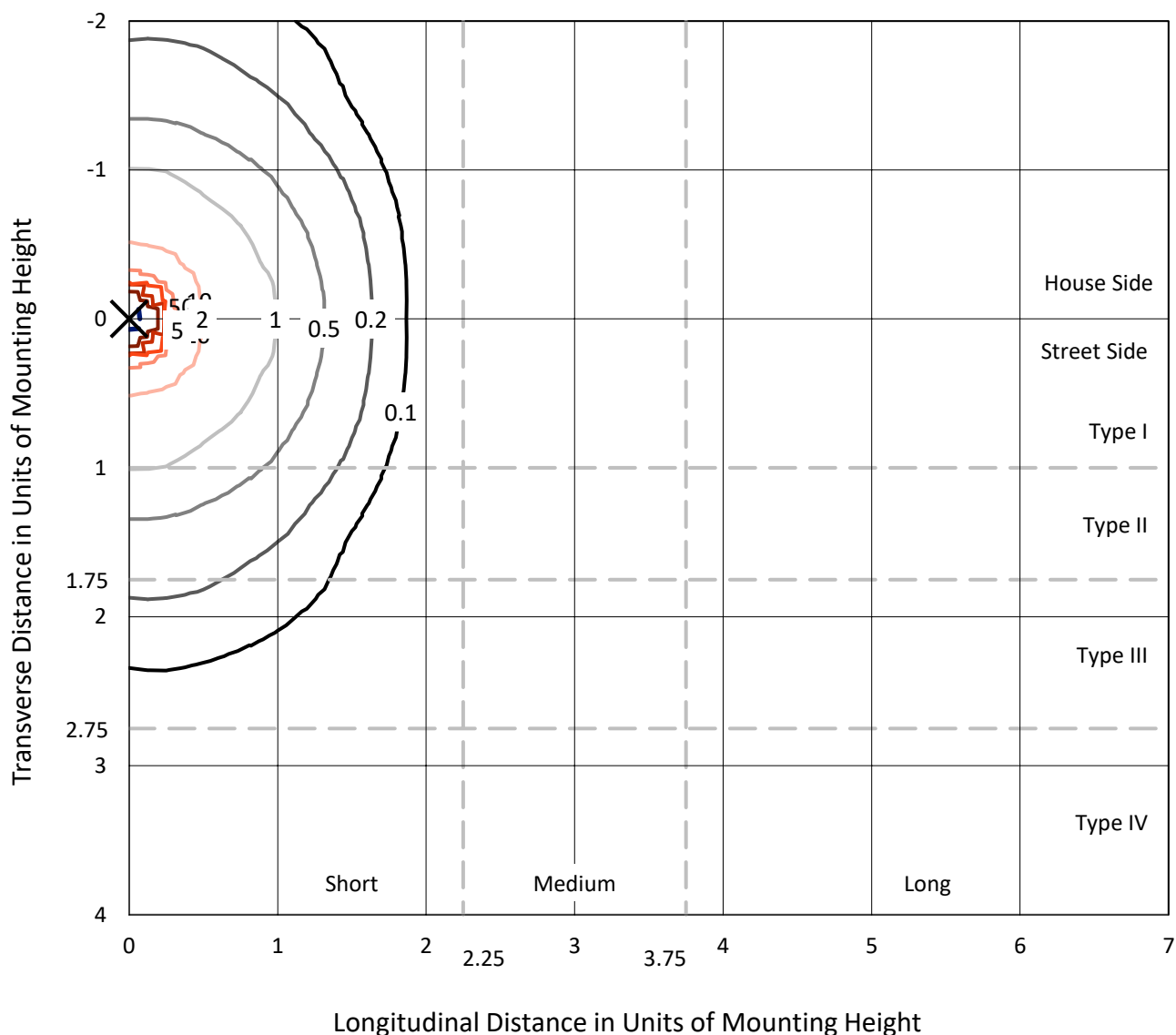
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

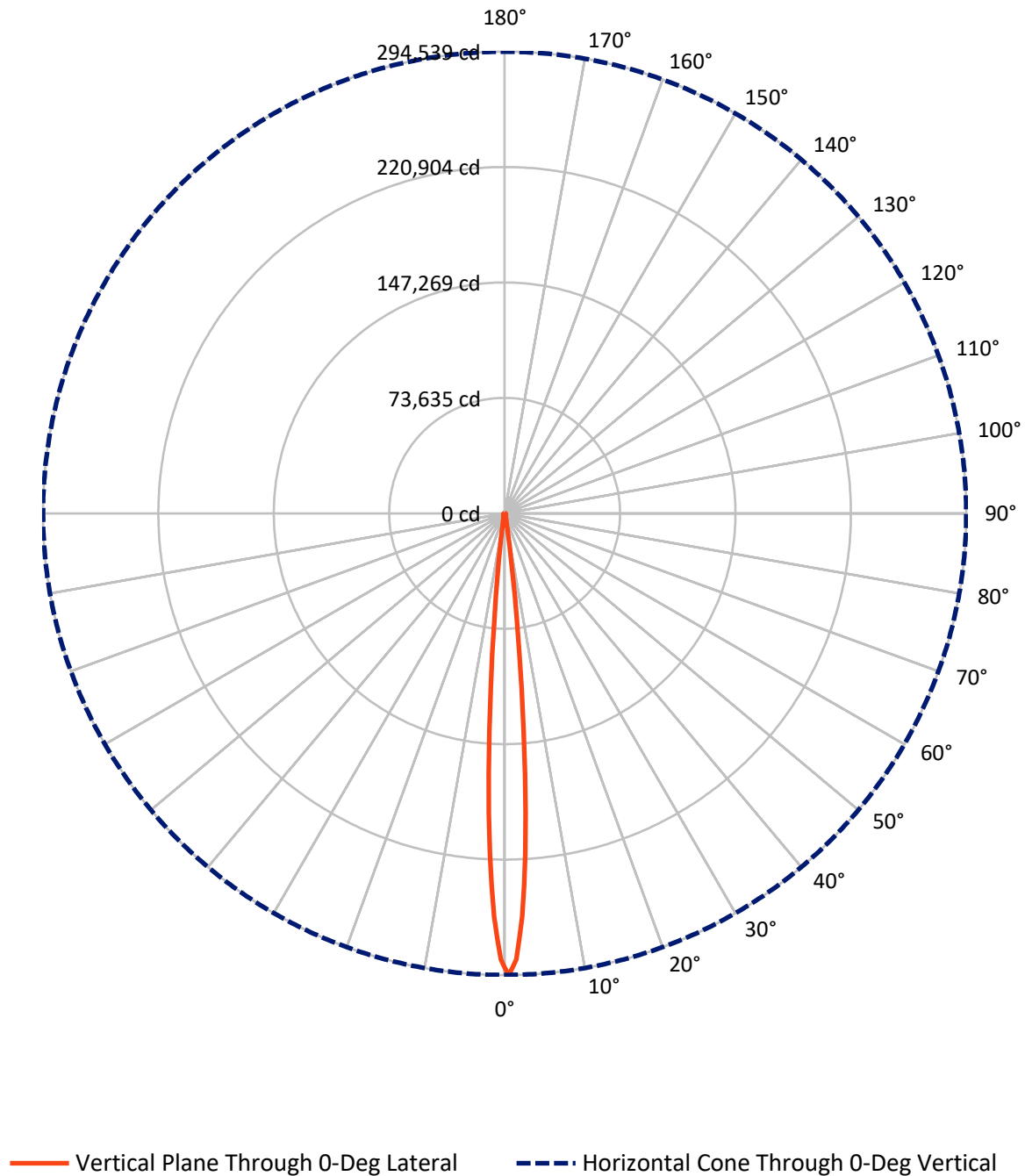


Based on 20 foot mounting height. Maximum calculated value = 736.3 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6269.9	0.0	6269.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6269.9	0.0	6269.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	12539.9	0.0	12539.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7914.9	63.1
10°-20°	978.2	7.8
20°-30°	586.1	4.7
30°-40°	630.2	5.0
40°-50°	847.3	6.8
50°-60°	755.3	6.0
60°-70°	498.9	4.0
70°-80°	247.4	2.0
80°-90°	81.7	0.7
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°	12539.9	100.0
0°-180°	12539.9	100.0



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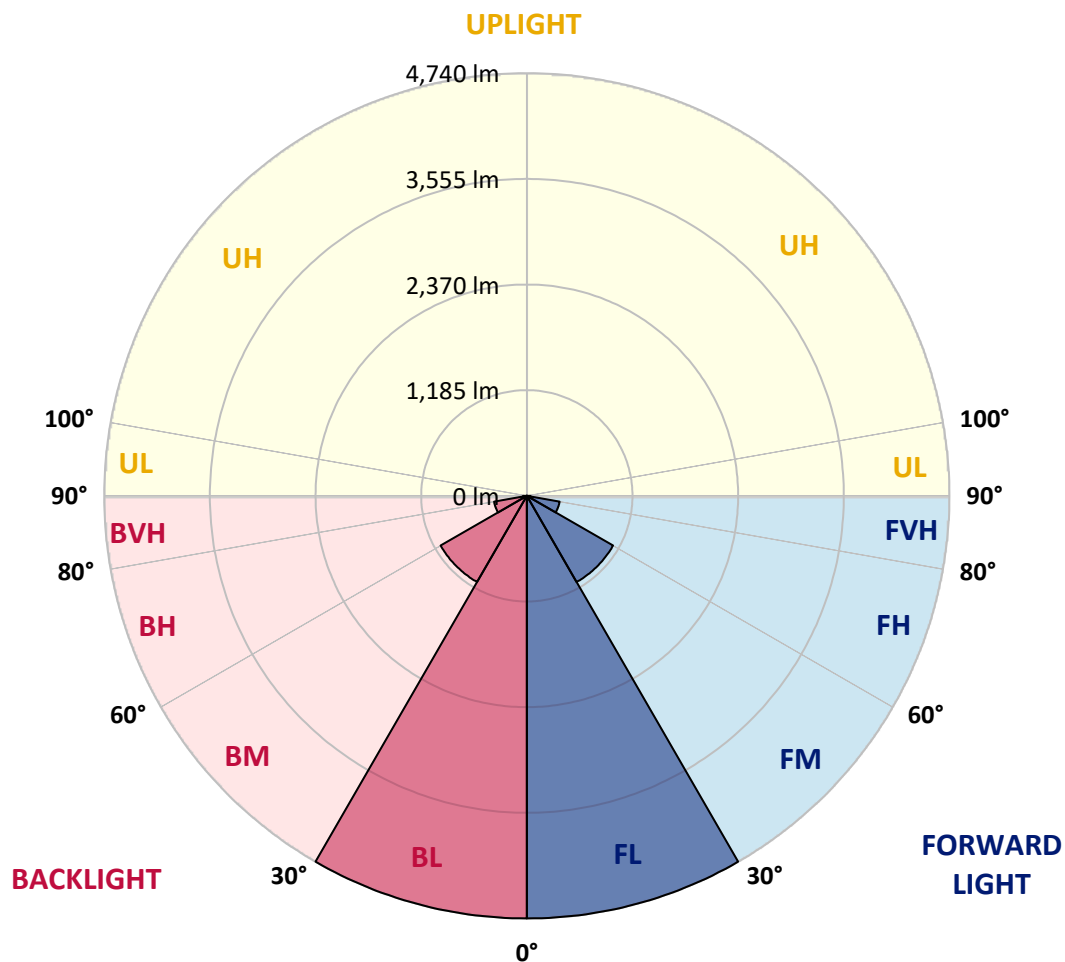
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4739.6	37.8			
FM	(30°-60°)	1116.4	8.9			
FH	(60°-80°)	373.1	3.0			G0/660
FVH	(80°-90°)	40.8	0.3			G1/100
BL	(0°-30°)	4739.6	37.8	B4/5000		
BM	(30°-60°)	1116.4	8.9	B2/2500		
BH	(60°-80°)	373.1	3.0	B1/500		G0/660
BVH	(80°-90°)	40.8	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	294538.8	294538.8	294538.8	294538.8	294538.8	294538.8	294538.8	294538.8	294538.8	294538.8
1°	284666.3	281744.5	283247.3	284683.7	286698.1	287585.3	288489.9	289166.2	289154.6	290270.2
2°	257479.4	252771.5	254953.5	257629.7	262805.8	264291.3	266773.9	269846.0	270033.9	272814.1
3°	217024.2	210414.6	213628.4	218394.1	226974.7	229194.3	233173.9	235983.1	234728.8	237983.0
4°	166537.5	157913.5	162823.8	169878.4	178230.8	186704.4	186872.1	188886.5	184750.8	184551.3
5°	112357.3	104753.6	111053.9	119877.3	127093.8	133015.6	136662.8	136914.3	132443.3	132035.8
6°	68526.5	63494.9	68977.4	78315.2	88311.9	90774.3	91332.1	90066.2	84202.3	80956.7
7°	37874.4	35822.4	41180.6	46752.7	54547.2	58151.1	55657.0	51610.9	49816.2	45952.1
8°	20886.6	19875.0	21403.9	26218.7	32267.7	34634.6	32227.2	28025.0	24999.1	23929.8
9°	12592.0	12031.4	12655.6	14487.9	17100.6	18742.1	17363.6	15294.3	14016.9	13661.4
10°	8363.9	8144.2	8410.1	9028.6	9967.9	10447.6	10103.7	9282.9	8895.6	8872.5
12.5°	4390.0	4349.6	4416.0	4485.4	4647.2	4673.2	4612.6	4554.8	4465.2	4499.8
15°	2826.5	2788.9	2858.3	2947.9	2988.3	3014.3	3017.2	2985.4	2924.8	2895.9
17.5°	2060.6	2069.3	2075.1	2127.1	2205.1	2265.8	2239.8	2205.1	2135.8	2101.1
20°	1696.5	1699.4	1710.9	1739.8	1765.8	1849.6	1823.6	1771.6	1705.1	1679.1
22.5°	1450.8	1456.6	1462.4	1479.7	1485.5	1508.6	1511.5	1465.3	1427.7	1413.2
25°	1277.4	1277.4	1286.1	1300.5	1306.3	1289.0	1291.9	1271.6	1237.0	1219.6
27.5°	1083.8	1089.6	1098.2	1104.0	1092.4	1072.2	1046.2	1063.5	1046.2	1005.7
30°	965.3	971.1	997.1	979.7	953.7	927.7	913.3	936.4	939.3	904.6
32.5°	956.6	959.5	968.2	959.5	927.7	895.9	875.7	901.7	907.5	893.0
35°	1000.0	991.3	1002.9	1008.6	976.8	942.2	916.2	939.3	956.6	962.4
37.5°	1210.9	1161.8	1124.2	1112.7	1092.4	1069.3	1034.6	1040.4	1072.2	1101.1
40°	1153.1	1141.6	1127.1	1089.6	1052.0	1080.9	1040.4	1028.9	1101.1	1106.9
42.5°	1144.5	1153.1	1141.6	1095.3	1057.8	1086.7	1078.0	1043.3	1115.6	1106.9
45°	1150.2	1158.9	1184.9	1106.9	1075.1	1089.6	1106.9	1069.3	1141.6	1112.7
47.5°	1104.0	1115.6	1144.5	1101.1	1080.9	1078.0	1104.0	1069.3	1106.9	1104.0
50°	1043.3	1054.9	1063.5	1026.0	1063.5	1043.3	1046.2	1031.8	1031.8	1037.5
52.5°	965.3	976.8	985.5	942.2	965.3	974.0	939.3	936.4	910.4	919.0
55°	869.9	887.3	895.9	878.6	867.0	884.4	835.2	829.5	777.4	780.3
57.5°	760.1	777.4	786.1	806.3	797.7	763.0	734.1	711.0	653.2	630.0
60°	783.2	800.6	783.2	725.4	725.4	647.4	621.4	572.2	514.4	485.5
62.5°	757.2	780.3	777.4	716.7	644.5	546.2	500.0	448.0	390.2	352.6
65°	713.8	737.0	725.4	684.9	615.6	468.2	398.8	346.8	274.6	265.9
67.5°	641.6	676.3	653.2	627.1	572.2	424.8	317.9	260.1	199.4	199.4
70°	531.8	557.8	572.2	543.3	511.5	398.8	271.7	199.4	144.5	109.8
72.5°	427.7	450.9	474.0	459.5	430.6	361.3	242.8	159.0	104.0	63.6
75°	237.0	245.7	254.3	289.0	329.5	294.8	222.5	138.7	86.7	49.1
77.5°	182.1	190.7	211.0	193.6	179.2	228.3	242.8	161.8	75.1	34.7
80°	141.6	153.2	216.8	179.2	153.2	173.4	208.1	141.6	49.1	17.3
82.5°	106.9	115.6	153.2	170.5	161.8	130.1	112.7	95.4	43.4	11.6
85°	78.0	89.6	106.9	95.4	92.5	92.5	124.3	83.8	31.8	8.7
87.5°	46.2	46.2	49.1	46.2	43.4	43.4	49.1	40.5	20.2	5.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

294538.8
288027.5
270357.6
234503.4
183672.8
130385.6
81239.9
44137.2
22958.7
13178.7
8598.0
4369.8
2849.6
2063.5
1650.2
1395.9
1205.2
1008.6
893.0
884.4
962.4
1127.1
1115.6
1101.1
1104.0
1098.2
1017.3
904.6
760.1
615.6
462.4
346.8
265.9
176.3
98.3
60.7
43.4
17.3
11.6
8.7
5.8
5.8
0.0

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