

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: METALUX

Report Number: P566543

Luminaire Tested: **4SNX-51SL-LW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566543
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-51SL-LW-UNV-L835-CD
Description: 4FT 5100 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

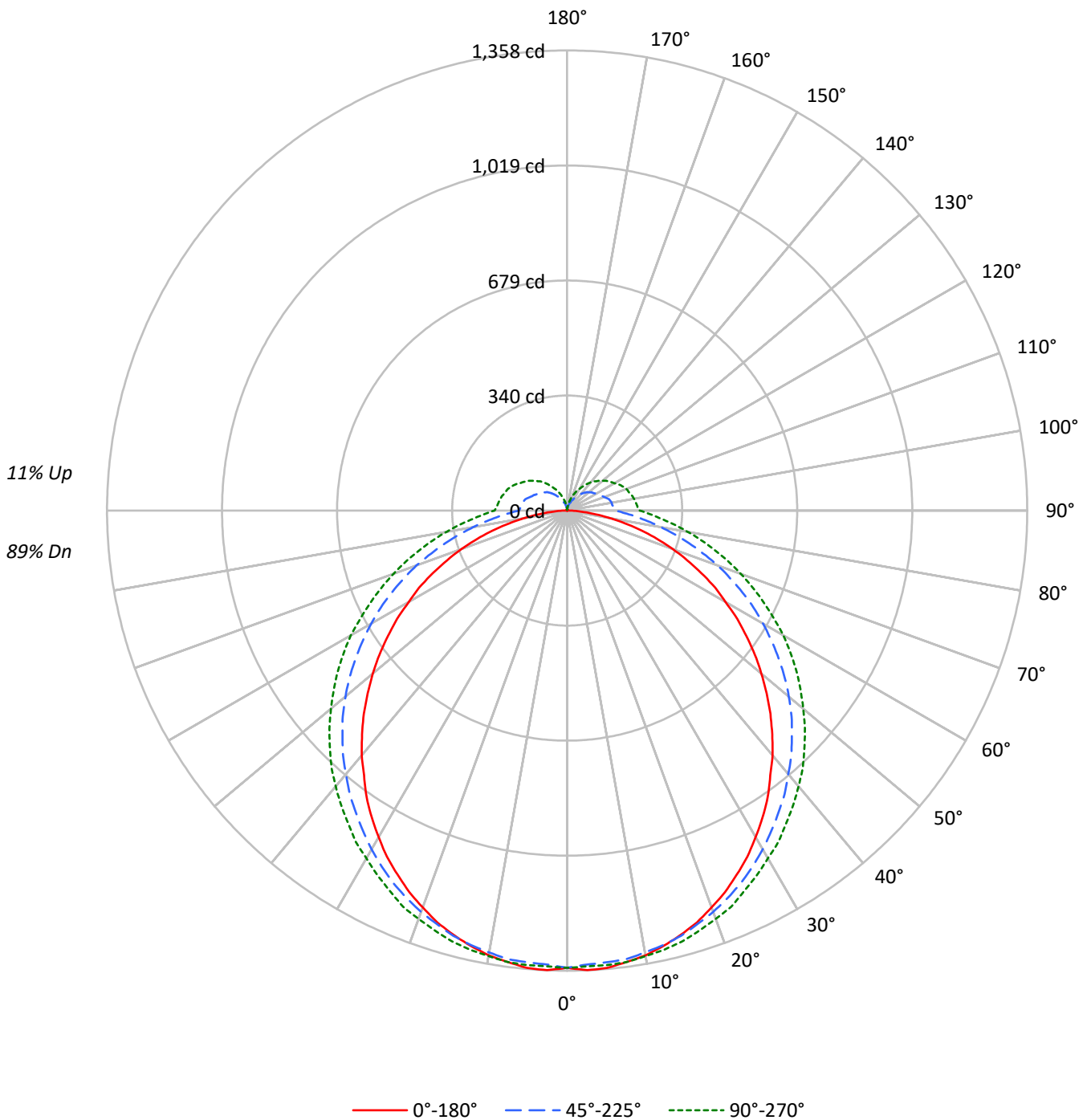
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4803.0 lumens
Efficiency: N/A
Efficacy: 137.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 35
Input Voltage (V): NR
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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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14523	14523	14523
5°	14584	13850	13746
10°	14458	13298	13060
15°	14286	12764	12440
20°	14062	12209	11821
25°	13806	11678	11215
30°	13505	11130	10635
35°	13176	10582	10093
40°	12803	10046	9575
45°	12398	9508	9045
50°	11938	8955	8488
55°	11432	8339	7943
60°	10836	7696	7365
65°	10210	7003	6707
70°	9347	6263	6059
75°	8210	5403	5374
80°	6418	4535	4688
85°	4191	3730	3986



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.1	2.7
10°-20°	368.3	7.7
20°-30°	560.1	11.7
30°-40°	679.9	14.2
40°-50°	718.4	15.0
50°-60°	672.3	14.0
60°-70°	551.6	11.5
70°-80°	379.4	7.9
80°-90°	207.8	4.3
90°-100°	133.8	2.8
100°-110°	120.1	2.5
110°-120°	99.4	2.1
120°-130°	76.5	1.6
130°-140°	53.8	1.1
140°-150°	32.4	0.7
150°-160°	15.5	0.3
160°-170°	5.1	0.1
170°-180°	0.6	0.0
0°-30°	1056.6	22.0
0°-40°	1736.4	36.2
0°-60°	3127.1	65.1
0°-90°	4265.9	88.8
90°-120°	353.2	7.4
90°-150°	515.9	10.7
90°-180°	537.0	11.2
0°-180°	4803.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1349	1349	1349	1349	1349	
5°	1355	1352	1338	1349	1346	128
15°	1296	1302	1299	1316	1316	366
25°	1185	1199	1213	1238	1238	546
35°	1032	1057	1088	1118	1127	645
45°	848	887	938	979	990	654
55°	645	698	762	810	826	578
65°	437	495	570	623	640	433
75°	228	289	373	431	451	240
85°	50	120	203	259	278	58
90°	0	67	142	195	214	3
95°	0	64	136	186	206	0
105°	0	53	128	175	192	2
115°	3	47	108	156	175	3
125°	3	39	92	134	150	3
135°	3	31	75	108	122	2
145°	3	22	53	84	92	2
155°	3	14	33	53	61	1
165°	3	8	17	25	31	1
175°	3	3	6	6	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1349.2	1349.2	1349.2	1349.2	1349.2
2.5°	1357.5	1354.7	1340.8	1352.0	1346.4
5°	1354.7	1352.0	1338.0	1349.2	1346.4
7.5°	1343.6	1343.6	1335.3	1346.4	1343.6
10°	1332.5	1332.5	1324.1	1338.0	1335.3
12.5°	1315.8	1318.6	1313.0	1329.7	1326.9
15°	1296.3	1301.9	1299.1	1315.8	1315.8
17.5°	1274.1	1279.6	1279.6	1299.1	1299.1
20°	1246.2	1254.6	1260.2	1282.4	1282.4
22.5°	1218.4	1229.6	1237.9	1257.4	1265.7
25°	1185.0	1199.0	1212.9	1237.9	1237.9
27.5°	1151.7	1168.4	1185.0	1210.1	1212.9
30°	1112.7	1132.2	1154.4	1179.5	1185.0
32.5°	1073.8	1098.8	1121.1	1151.7	1160.0
35°	1032.0	1057.1	1087.7	1118.3	1126.6
37.5°	984.8	1015.4	1054.3	1087.7	1096.0
40°	943.0	976.4	1015.4	1054.3	1062.6
42.5°	895.7	931.9	979.2	1015.4	1029.3
45°	848.4	887.4	937.5	979.2	990.3
47.5°	798.4	842.9	898.5	937.5	951.4
50°	748.3	795.6	854.0	898.5	909.6
52.5°	698.2	748.3	809.5	854.0	867.9
55°	645.4	698.2	762.2	809.5	826.2
57.5°	595.3	648.2	714.9	765.0	781.7
60°	539.7	600.9	667.6	717.7	737.2
62.5°	492.4	548.0	620.3	670.4	687.1
65°	436.7	495.2	570.3	623.1	639.8
67.5°	383.9	445.1	520.2	575.8	592.5
70°	331.0	392.2	472.9	525.8	545.2
72.5°	278.2	342.2	420.1	478.5	497.9
75°	228.1	289.3	372.8	431.2	450.7
77.5°	175.3	242.0	325.5	383.9	406.1
80°	128.0	197.5	281.0	339.4	361.6
82.5°	86.2	155.8	239.2	297.7	319.9
85°	50.1	119.6	203.1	258.7	278.2
87.5°	25.0	91.8	169.7	225.3	244.8
90°	0.0	66.8	141.9	194.7	214.2
92.5°	0.0	64.0	139.1	189.2	208.6
95°	0.0	64.0	136.3	186.4	205.9
97.5°	0.0	61.2	133.5	186.4	203.1
100°	0.0	58.4	133.5	183.6	200.3
102.5°	0.0	55.6	130.7	180.8	197.5
105°	0.0	52.9	128.0	175.3	191.9
107.5°	2.8	52.9	122.4	172.5	189.2
110°	2.8	50.1	116.8	169.7	186.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.8	47.3	111.3	164.1	180.8
115°	2.8	47.3	108.5	155.8	175.3
117.5°	2.8	44.5	102.9	150.2	169.7
120°	2.8	44.5	100.1	144.7	161.3
122.5°	2.8	41.7	94.6	139.1	155.8
125°	2.8	38.9	91.8	133.5	150.2
127.5°	2.8	36.2	89.0	128.0	144.7
130°	2.8	33.4	83.5	122.4	136.3
132.5°	2.8	33.4	80.7	114.1	130.7
135°	2.8	30.6	75.1	108.5	122.4
137.5°	2.8	27.8	69.5	102.9	116.8
140°	2.8	25.0	64.0	97.4	108.5
142.5°	2.8	25.0	58.4	89.0	100.1
145°	2.8	22.3	52.9	83.5	91.8
147.5°	2.8	19.5	47.3	75.1	83.5
150°	2.8	19.5	41.7	66.8	75.1
152.5°	2.8	16.7	36.2	61.2	69.5
155°	2.8	13.9	33.4	52.9	61.2
157.5°	2.8	13.9	27.8	44.5	52.9
160°	2.8	11.1	25.0	36.2	44.5
162.5°	2.8	11.1	22.3	30.6	38.9
165°	2.8	8.3	16.7	25.0	30.6
167.5°	2.8	8.3	13.9	19.5	25.0
170°	2.8	5.6	11.1	13.9	19.5
172.5°	2.8	5.6	8.3	8.3	8.3
175°	2.8	2.8	5.6	5.6	2.8
177.5°	2.8	2.8	2.8	2.8	2.8
180°	2.8	2.8	2.8	2.8	2.8

(END OF REPORT)