

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: P566408

Luminaire Tested: **4SNX-41SL-SLW-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566408
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-41SL-SLW-UNV-L840-CD
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

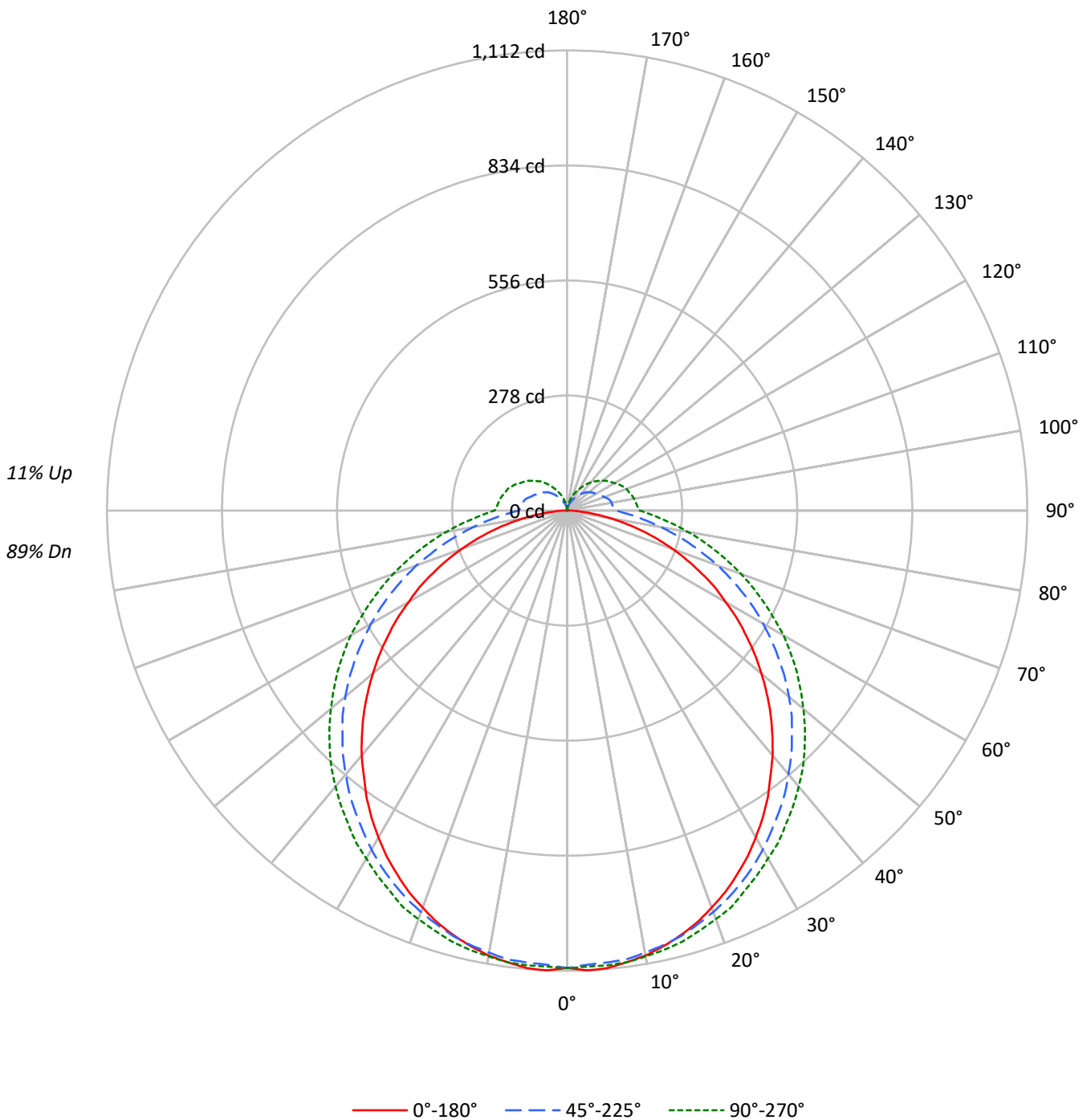
Lumens per Lamp: N/A
Luminaire Lumens: 3935.0 lumens
Efficiency: N/A
Efficacy: 149.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 26.3
Input Voltage (V): NR
Input Current (A_{in}): 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°	11898	11898	11898
5°	11971	11592	11583
10°	11889	11357	11296
15°	11769	11117	11031
20°	11608	10842	10738
25°	11421	10572	10431
30°	11196	10276	10126
35°	10951	9968	9841
40°	10670	9666	9568
45°	10366	9357	9273
50°	10019	9032	8942
55°	9636	8641	8617
60°	9187	8223	8256
65°	8725	7753	7799
70°	8075	7234	7352
75°	7214	6578	6858
80°	5812	5910	6371
85°	4093	5336	5870



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.0	2.7
10°-20°	301.8	7.7
20°-30°	458.9	11.7
30°-40°	557.0	14.2
40°-50°	588.6	15.0
50°-60°	550.8	14.0
60°-70°	451.9	11.5
70°-80°	310.8	7.9
80°-90°	170.2	4.3
90°-100°	109.6	2.8
100°-110°	98.4	2.5
110°-120°	81.4	2.1
120°-130°	62.7	1.6
130°-140°	44.1	1.1
140°-150°	26.5	0.7
150°-160°	12.7	0.3
160°-170°	4.2	0.1
170°-180°	0.5	0.0
0°-30°	865.6	22.0
0°-40°	1422.6	36.2
0°-60°	2562.0	65.1
0°-90°	3494.9	88.8
90°-120°	289.4	7.4
90°-150°	422.7	10.7
90°-180°	440.0	11.2
0°-180°	3935.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1105	1105	1105	1105	1105	
5°	1110	1108	1096	1105	1103	105
15°	1062	1067	1064	1078	1078	299
25°	971	982	994	1014	1014	447
35°	846	866	891	916	923	528
45°	695	727	768	802	811	536
55°	529	572	624	663	677	473
65°	358	406	467	510	524	354
75°	187	237	305	353	369	197
85°	41	98	166	212	228	47
90°	0	55	116	160	176	3
95°	0	52	112	153	169	0
105°	0	43	105	144	157	2
115°	2	39	89	128	144	2
125°	2	32	75	109	123	2
135°	2	25	62	89	100	2
145°	2	18	43	68	75	1
155°	2	11	27	43	50	1
165°	2	7	14	20	25	1
175°	2	2	5	5	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1112.2	1109.9	1098.5	1107.6	1103.1
5°	1109.9	1107.6	1096.2	1105.4	1103.1
7.5°	1100.8	1100.8	1094.0	1103.1	1100.8
10°	1091.7	1091.7	1084.8	1096.2	1094.0
12.5°	1078.0	1080.3	1075.7	1089.4	1087.1
15°	1062.0	1066.6	1064.3	1078.0	1078.0
17.5°	1043.8	1048.4	1048.4	1064.3	1064.3
20°	1021.0	1027.9	1032.4	1050.7	1050.7
22.5°	998.2	1007.4	1014.2	1030.1	1037.0
25°	970.9	982.3	993.7	1014.2	1014.2
27.5°	943.5	957.2	970.9	991.4	993.7
30°	911.6	927.6	945.8	966.3	970.9
32.5°	879.7	900.2	918.5	943.5	950.4
35°	845.5	866.0	891.1	916.2	923.0
37.5°	806.8	831.9	863.8	891.1	898.0
40°	772.6	800.0	831.9	863.8	870.6
42.5°	733.9	763.5	802.2	831.9	843.3
45°	695.1	727.0	768.0	802.2	811.4
47.5°	654.1	690.6	736.1	768.0	779.4
50°	613.1	651.8	699.7	736.1	745.3
52.5°	572.0	613.1	663.2	699.7	711.1
55°	528.7	572.0	624.5	663.2	676.9
57.5°	487.7	531.0	585.7	626.7	640.4
60°	442.1	492.3	547.0	588.0	604.0
62.5°	403.4	449.0	508.2	549.3	562.9
65°	357.8	405.7	467.2	510.5	524.2
67.5°	314.5	364.7	426.2	471.8	485.4
70°	271.2	321.3	387.4	430.7	446.7
72.5°	227.9	280.3	344.1	392.0	408.0
75°	186.9	237.0	305.4	353.3	369.2
77.5°	143.6	198.3	266.7	314.5	332.7
80°	104.8	161.8	230.2	278.0	296.3
82.5°	70.7	127.6	196.0	243.9	262.1
85°	41.0	98.0	166.4	212.0	227.9
87.5°	20.5	75.2	139.0	184.6	200.6
90°	0.0	54.7	116.2	159.5	175.5
92.5°	0.0	52.4	114.0	155.0	170.9
95°	0.0	52.4	111.7	152.7	168.7
97.5°	0.0	50.1	109.4	152.7	166.4
100°	0.0	47.9	109.4	150.4	164.1
102.5°	0.0	45.6	107.1	148.1	161.8
105°	0.0	43.3	104.8	143.6	157.3
107.5°	2.3	43.3	100.3	141.3	155.0
110°	2.3	41.0	95.7	139.0	152.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.3	38.7	91.2	134.5	148.1
115°	2.3	38.7	88.9	127.6	143.6
117.5°	2.3	36.5	84.3	123.1	139.0
120°	2.3	36.5	82.0	118.5	132.2
122.5°	2.3	34.2	77.5	114.0	127.6
125°	2.3	31.9	75.2	109.4	123.1
127.5°	2.3	29.6	72.9	104.8	118.5
130°	2.3	27.3	68.4	100.3	111.7
132.5°	2.3	27.3	66.1	93.4	107.1
135°	2.3	25.1	61.5	88.9	100.3
137.5°	2.3	22.8	57.0	84.3	95.7
140°	2.3	20.5	52.4	79.8	88.9
142.5°	2.3	20.5	47.9	72.9	82.0
145°	2.3	18.2	43.3	68.4	75.2
147.5°	2.3	16.0	38.7	61.5	68.4
150°	2.3	16.0	34.2	54.7	61.5
152.5°	2.3	13.7	29.6	50.1	57.0
155°	2.3	11.4	27.3	43.3	50.1
157.5°	2.3	11.4	22.8	36.5	43.3
160°	2.3	9.1	20.5	29.6	36.5
162.5°	2.3	9.1	18.2	25.1	31.9
165°	2.3	6.8	13.7	20.5	25.1
167.5°	2.3	6.8	11.4	16.0	20.5
170°	2.3	4.6	9.1	11.4	16.0
172.5°	2.3	4.6	6.8	6.8	6.8
175°	2.3	2.3	4.6	4.6	2.3
177.5°	2.3	2.3	2.3	2.3	2.3
180°	2.3	2.3	2.3	2.3	2.3

(END OF REPORT)