

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: P565668

Luminaire Tested: **2SNX-30SL-LW-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565668
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: 2SNX-30SL-LW-UNV-L840-CD
Description: 2FT 3000 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

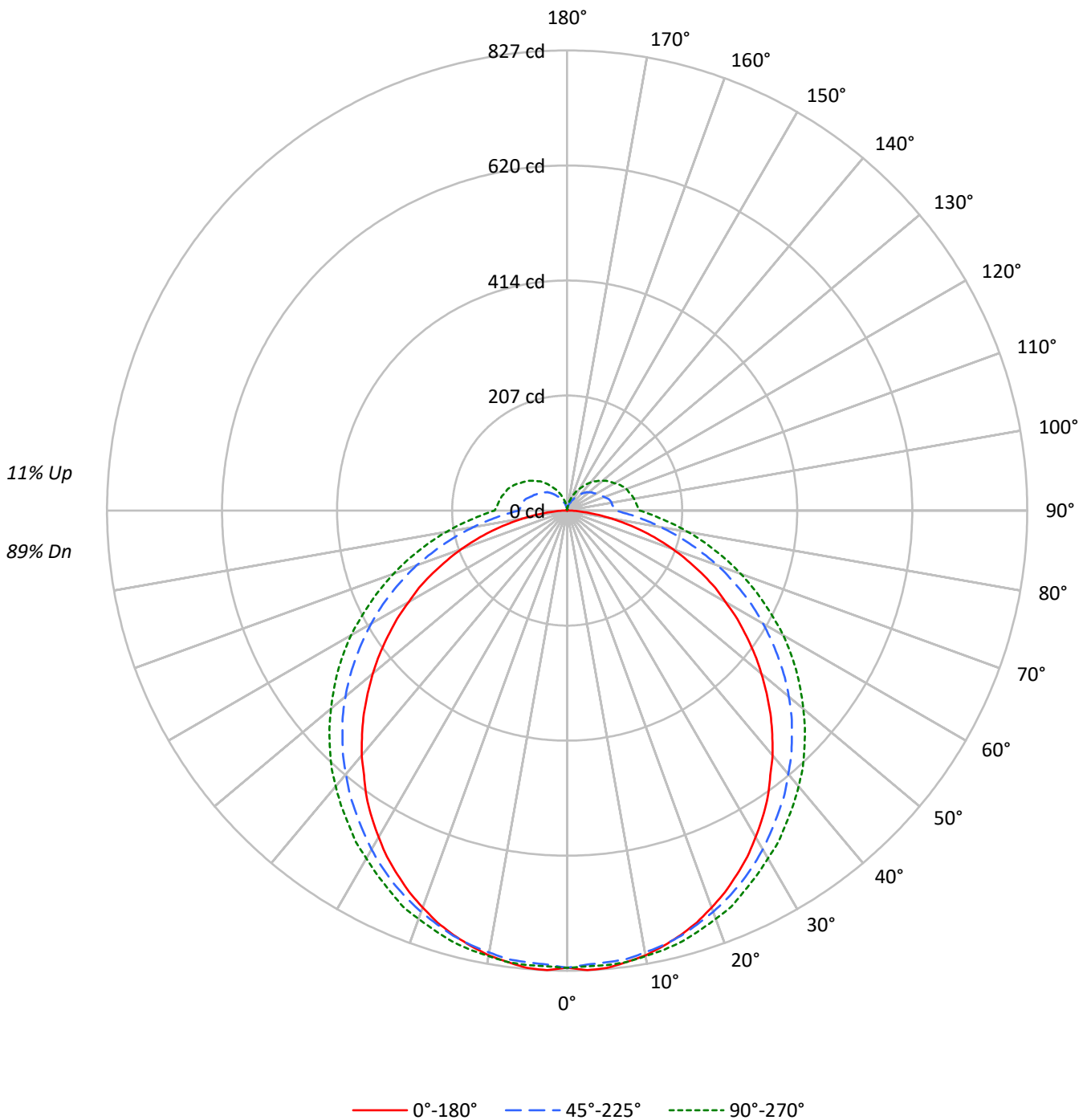
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2925.0 lumens
Efficiency: N/A
Efficacy: 139.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 21
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°	17687	17687	17687
5°	17699	16829	16742
10°	17482	16120	15907
15°	17211	15438	15152
20°	16876	14736	14398
25°	16502	14066	13661
30°	16071	13381	12954
35°	15607	12694	12293
40°	15085	12025	11662
45°	14521	11358	11017
50°	13883	10673	10339
55°	13182	9914	9673
60°	12367	9125	8970
65°	11495	8277	8168
70°	10325	7378	7380
75°	8813	6338	6543
80°	6558	5293	5710
85°	3858	4327	4854



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.0	2.7
10°-20°	224.3	7.7
20°-30°	341.1	11.7
30°-40°	414.0	14.2
40°-50°	437.5	15.0
50°-60°	409.4	14.0
60°-70°	335.9	11.5
70°-80°	231.0	7.9
80°-90°	126.5	4.3
90°-100°	81.5	2.8
100°-110°	73.1	2.5
110°-120°	60.5	2.1
120°-130°	46.6	1.6
130°-140°	32.7	1.1
140°-150°	19.7	0.7
150°-160°	9.4	0.3
160°-170°	3.1	0.1
170°-180°	0.4	0.0
0°-30°	643.4	22.0
0°-40°	1057.5	36.2
0°-60°	1904.4	65.1
0°-90°	2597.9	88.8
90°-120°	215.1	7.4
90°-150°	314.2	10.7
90°-180°	327.0	11.2
0°-180°	2925.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	822	822	822	822	822	
5°	825	823	815	822	820	78
15°	790	793	791	801	801	223
25°	722	730	739	754	754	333
35°	628	644	662	681	686	393
45°	517	540	571	596	603	398
55°	393	425	464	493	503	352
65°	266	302	347	380	390	263
75°	139	176	227	263	274	146
85°	30	73	124	158	169	35
90°	0	41	86	119	130	2
95°	0	39	83	114	125	0
105°	0	32	78	107	117	1
115°	2	29	66	95	107	2
125°	2	24	56	81	92	2
135°	2	19	46	66	74	1
145°	2	14	32	51	56	1
155°	2	8	20	32	37	1
165°	2	5	10	15	19	0
175°	2	2	3	3	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	821.6	821.6	821.6	821.6	821.6
2.5°	826.7	825.0	816.6	823.3	819.9
5°	825.0	823.3	814.9	821.6	819.9
7.5°	818.3	818.3	813.2	819.9	818.3
10°	811.5	811.5	806.4	814.9	813.2
12.5°	801.3	803.0	799.6	809.8	808.1
15°	789.5	792.8	791.1	801.3	801.3
17.5°	775.9	779.3	779.3	791.1	791.1
20°	759.0	764.0	767.4	781.0	781.0
22.5°	742.0	748.8	753.9	765.7	770.8
25°	721.7	730.2	738.6	753.9	753.9
27.5°	701.4	711.5	721.7	736.9	738.6
30°	677.6	689.5	703.1	718.3	721.7
32.5°	653.9	669.2	682.7	701.4	706.4
35°	628.5	643.8	662.4	681.0	686.1
37.5°	599.7	618.3	642.1	662.4	667.5
40°	574.3	594.6	618.3	642.1	647.1
42.5°	545.5	567.5	596.3	618.3	626.8
45°	516.7	540.4	570.9	596.3	603.1
47.5°	486.2	513.3	547.2	570.9	579.4
50°	455.7	484.5	520.1	547.2	554.0
52.5°	425.2	455.7	493.0	520.1	528.6
55°	393.0	425.2	464.2	493.0	503.1
57.5°	362.5	394.7	435.4	465.9	476.0
60°	328.7	365.9	406.6	437.1	448.9
62.5°	299.9	333.7	377.8	408.3	418.4
65°	266.0	301.6	347.3	379.5	389.6
67.5°	233.8	271.1	316.8	350.7	360.8
70°	201.6	238.9	288.0	320.2	332.0
72.5°	169.4	208.4	255.8	291.4	303.2
75°	138.9	176.2	227.0	262.6	274.4
77.5°	106.7	147.4	198.2	233.8	247.3
80°	77.9	120.3	171.1	206.7	220.2
82.5°	52.5	94.9	145.7	181.3	194.8
85°	30.5	72.8	123.7	157.6	169.4
87.5°	15.2	55.9	103.3	137.2	149.1
90°	0.0	40.7	86.4	118.6	130.4
92.5°	0.0	39.0	84.7	115.2	127.1
95°	0.0	39.0	83.0	113.5	125.4
97.5°	0.0	37.3	81.3	113.5	123.7
100°	0.0	35.6	81.3	111.8	122.0
102.5°	0.0	33.9	79.6	110.1	120.3
105°	0.0	32.2	77.9	106.7	116.9
107.5°	1.7	32.2	74.5	105.0	115.2
110°	1.7	30.5	71.2	103.3	113.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.7	28.8	67.8	100.0	110.1
115°	1.7	28.8	66.1	94.9	106.7
117.5°	1.7	27.1	62.7	91.5	103.3
120°	1.7	27.1	61.0	88.1	98.3
122.5°	1.7	25.4	57.6	84.7	94.9
125°	1.7	23.7	55.9	81.3	91.5
127.5°	1.7	22.0	54.2	77.9	88.1
130°	1.7	20.3	50.8	74.5	83.0
132.5°	1.7	20.3	49.1	69.5	79.6
135°	1.7	18.6	45.7	66.1	74.5
137.5°	1.7	16.9	42.4	62.7	71.2
140°	1.7	15.2	39.0	59.3	66.1
142.5°	1.7	15.2	35.6	54.2	61.0
145°	1.7	13.6	32.2	50.8	55.9
147.5°	1.7	11.9	28.8	45.7	50.8
150°	1.7	11.9	25.4	40.7	45.7
152.5°	1.7	10.2	22.0	37.3	42.4
155°	1.7	8.5	20.3	32.2	37.3
157.5°	1.7	8.5	16.9	27.1	32.2
160°	1.7	6.8	15.2	22.0	27.1
162.5°	1.7	6.8	13.6	18.6	23.7
165°	1.7	5.1	10.2	15.2	18.6
167.5°	1.7	5.1	8.5	11.9	15.2
170°	1.7	3.4	6.8	8.5	11.9
172.5°	1.7	3.4	5.1	5.1	5.1
175°	1.7	1.7	3.4	3.4	1.7
177.5°	1.7	1.7	1.7	1.7	1.7
180°	1.7	1.7	1.7	1.7	1.7

(END OF REPORT)