

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: P565669

Luminaire Tested: **2SNX-30SL-LW-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565669
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-L850-CD
Description: 2FT 3000 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

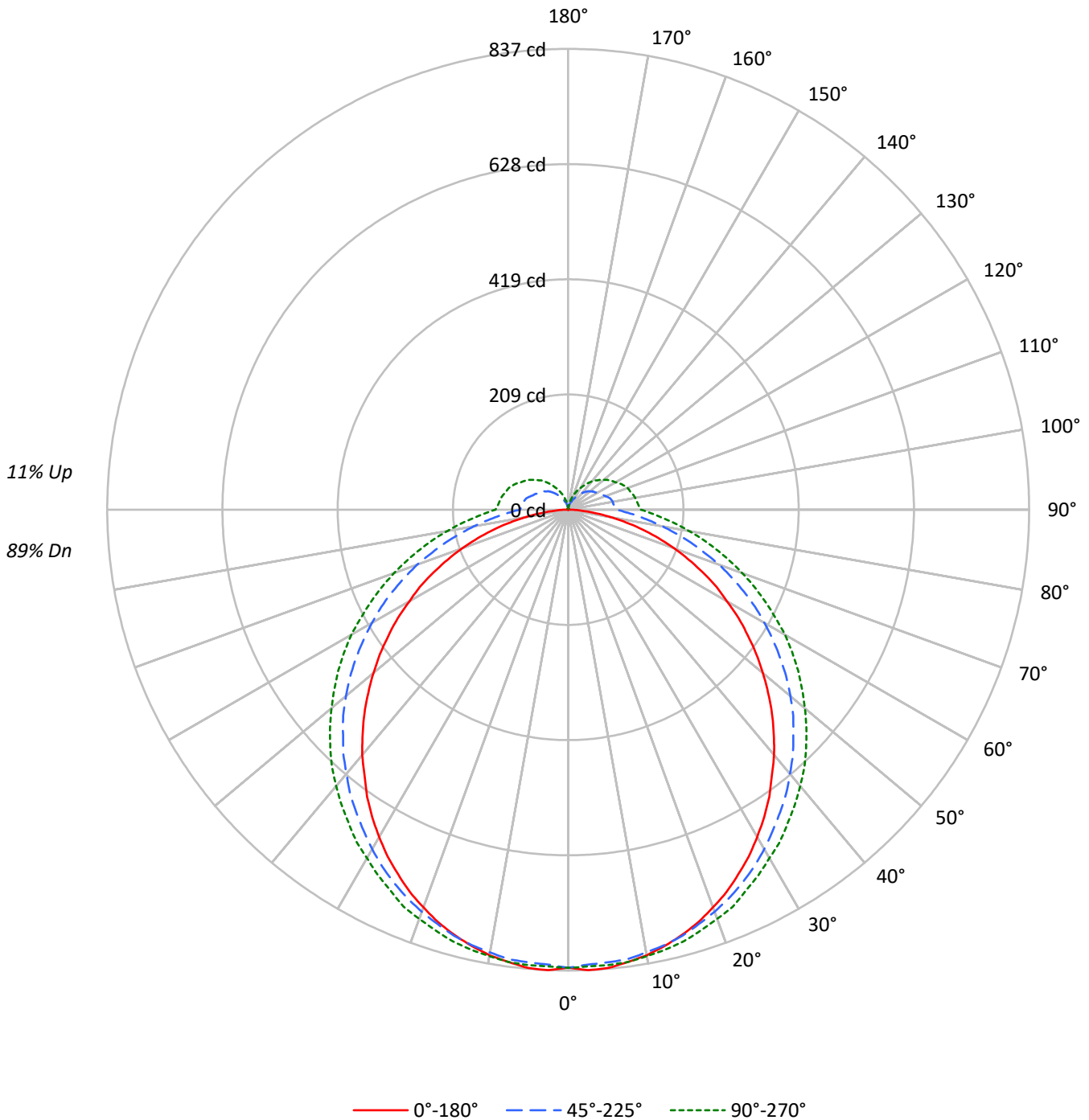
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2962.0 lumens
Efficiency: N/A
Efficacy: 141.0 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	77	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°	17911	17911	17911
5°	17925	17042	16954
10°	17702	16324	16108
15°	17427	15635	15343
20°	17090	14922	14581
25°	16710	14245	13833
30°	16275	13548	13117
35°	15805	12855	12449
40°	15276	12178	11809
45°	14703	11501	11156
50°	14060	10809	10470
55°	13349	10040	9796
60°	12522	9239	9084
65°	11638	8382	8273
70°	10453	7470	7473
75°	8927	6419	6627
80°	6642	5361	5783
85°	3909	4379	4917



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.0	2.7
10°-20°	227.2	7.7
20°-30°	345.4	11.7
30°-40°	419.3	14.2
40°-50°	443.1	15.0
50°-60°	414.6	14.0
60°-70°	340.2	11.5
70°-80°	234.0	7.9
80°-90°	128.1	4.3
90°-100°	82.5	2.8
100°-110°	74.0	2.5
110°-120°	61.3	2.1
120°-130°	47.2	1.6
130°-140°	33.2	1.1
140°-150°	20.0	0.7
150°-160°	9.6	0.3
160°-170°	3.1	0.1
170°-180°	0.4	0.0
0°-30°	651.6	22.0
0°-40°	1070.8	36.2
0°-60°	1928.5	65.1
0°-90°	2630.8	88.8
90°-120°	217.8	7.4
90°-150°	318.1	10.7
90°-180°	331.0	11.2
0°-180°	2962.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	832	832	832	832	832	
5°	836	834	825	832	830	79
15°	799	803	801	811	811	225
25°	731	739	748	763	763	337
35°	636	652	671	690	695	398
45°	523	547	578	604	611	403
55°	398	431	470	499	510	356
65°	269	305	352	384	395	267
75°	141	178	230	266	278	148
85°	31	74	125	160	172	36
90°	0	41	88	120	132	2
95°	0	40	84	115	127	0
105°	0	33	79	108	118	1
115°	2	29	67	96	108	2
125°	2	24	57	82	93	2
135°	2	19	46	67	76	1
145°	2	14	33	52	57	1
155°	2	9	21	33	38	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°	832.0	832.0	832.0	832.0	832.0
2.5°	837.2	835.5	826.9	833.7	830.3
5°	835.5	833.7	825.2	832.0	830.3
7.5°	828.6	828.6	823.5	830.3	828.6
10°	821.7	821.7	816.6	825.2	823.5
12.5°	811.4	813.2	809.7	820.0	818.3
15°	799.4	802.9	801.2	811.4	811.4
17.5°	785.7	789.1	789.1	801.2	801.2
20°	768.6	773.7	777.1	790.9	790.9
22.5°	751.4	758.3	763.4	775.4	780.6
25°	730.8	739.4	748.0	763.4	763.4
27.5°	710.2	720.5	730.8	746.3	748.0
30°	686.2	698.2	711.9	727.4	730.8
32.5°	662.2	677.6	691.4	710.2	715.4
35°	636.5	651.9	670.8	689.6	694.8
37.5°	607.3	626.2	650.2	670.8	675.9
40°	581.6	602.2	626.2	650.2	655.3
42.5°	552.4	574.7	603.9	626.2	634.7
45°	523.2	547.3	578.1	603.9	610.7
47.5°	492.4	519.8	554.1	578.1	586.7
50°	461.5	490.6	526.7	554.1	561.0
52.5°	430.6	461.5	499.2	526.7	535.2
55°	398.0	430.6	470.1	499.2	509.5
57.5°	367.1	399.7	440.9	471.8	482.1
60°	332.8	370.6	411.7	442.6	454.6
62.5°	303.6	338.0	382.6	413.4	423.7
65°	269.3	305.4	351.7	384.3	394.6
67.5°	236.7	274.5	320.8	355.1	365.4
70°	204.1	241.9	291.6	324.2	336.2
72.5°	171.6	211.0	259.0	295.1	307.1
75°	140.7	178.4	229.9	265.9	277.9
77.5°	108.1	149.3	200.7	236.7	250.5
80°	78.9	121.8	173.3	209.3	223.0
82.5°	53.2	96.1	147.5	183.6	197.3
85°	30.9	73.8	125.2	159.5	171.6
87.5°	15.4	56.6	104.6	139.0	151.0
90°	0.0	41.2	87.5	120.1	132.1
92.5°	0.0	39.5	85.8	116.7	128.7
95°	0.0	39.5	84.1	114.9	126.9
97.5°	0.0	37.7	82.3	114.9	125.2
100°	0.0	36.0	82.3	113.2	123.5
102.5°	0.0	34.3	80.6	111.5	121.8
105°	0.0	32.6	78.9	108.1	118.4
107.5°	1.7	32.6	75.5	106.4	116.7
110°	1.7	30.9	72.1	104.6	114.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.7	29.2	68.6	101.2	111.5
115°	1.7	29.2	66.9	96.1	108.1
117.5°	1.7	27.4	63.5	92.6	104.6
120°	1.7	27.4	61.8	89.2	99.5
122.5°	1.7	25.7	58.3	85.8	96.1
125°	1.7	24.0	56.6	82.3	92.6
127.5°	1.7	22.3	54.9	78.9	89.2
130°	1.7	20.6	51.5	75.5	84.1
132.5°	1.7	20.6	49.8	70.3	80.6
135°	1.7	18.9	46.3	66.9	75.5
137.5°	1.7	17.2	42.9	63.5	72.1
140°	1.7	15.4	39.5	60.0	66.9
142.5°	1.7	15.4	36.0	54.9	61.8
145°	1.7	13.7	32.6	51.5	56.6
147.5°	1.7	12.0	29.2	46.3	51.5
150°	1.7	12.0	25.7	41.2	46.3
152.5°	1.7	10.3	22.3	37.7	42.9
155°	1.7	8.6	20.6	32.6	37.7
157.5°	1.7	8.6	17.2	27.4	32.6
160°	1.7	6.9	15.4	22.3	27.4
162.5°	1.7	6.9	13.7	18.9	24.0
165°	1.7	5.1	10.3	15.4	18.9
167.5°	1.7	5.1	8.6	12.0	15.4
170°	1.7	3.4	6.9	8.6	12.0
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)