

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: P565674

Luminaire Tested: **2SNX-30SL-SLW-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565674
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-SLW-UNV-L830-CD
Description: 2FT 3000 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

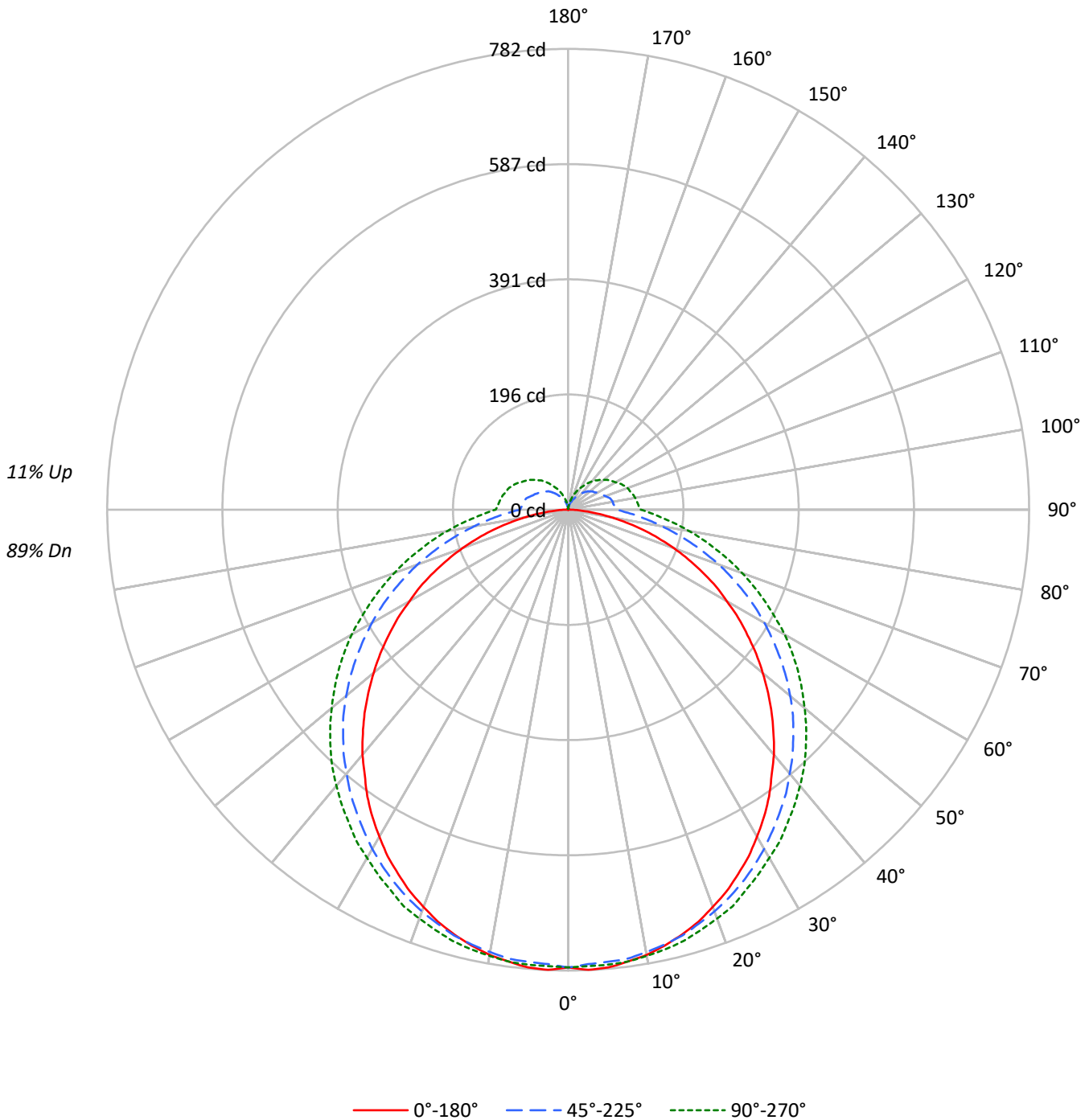
Lumens per Lamp: N/A
Luminaire Lumens: 2765.0 lumens
Efficiency: N/A
Efficacy: 131.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')
CIE Type: Semi-Direct

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°	16721	16721	16721
5°	16793	16270	16277
10°	16647	15922	15874
15°	16450	15567	15503
20°	16191	15161	15091
25°	15897	14766	14657
30°	15552	14335	14231
35°	15172	13889	13830
40°	14743	13446	13445
45°	14277	12998	13031
50°	13748	12523	12567
55°	13163	11959	12109
60°	12480	11353	11601
65°	11760	10676	10959
70°	10769	9929	10333
75°	9457	8989	9636
80°	7396	8026	8953
85°	4825	7185	8248



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.8	2.7
10°-20°	212.1	7.7
20°-30°	322.4	11.7
30°-40°	391.4	14.2
40°-50°	413.6	15.0
50°-60°	387.0	14.0
60°-70°	317.5	11.5
70°-80°	218.4	7.9
80°-90°	119.6	4.3
90°-100°	77.0	2.8
100°-110°	69.1	2.5
110°-120°	57.2	2.1
120°-130°	44.0	1.6
130°-140°	31.0	1.1
140°-150°	18.6	0.7
150°-160°	8.9	0.3
160°-170°	2.9	0.1
170°-180°	0.3	0.0
0°-30°	608.2	22.0
0°-40°	999.6	36.2
0°-60°	1800.2	65.1
0°-90°	2455.8	88.8
90°-120°	203.4	7.4
90°-150°	297.0	10.7
90°-180°	309.0	11.2
0°-180°	2765.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	777	777	777	777	777	
5°	780	778	770	777	775	74
15°	746	750	748	758	758	210
25°	682	690	698	713	713	314
35°	594	608	626	644	649	371
45°	488	511	540	564	570	376
55°	372	402	439	466	476	332
65°	251	285	328	359	368	249
75°	131	166	215	248	259	138
85°	29	69	117	149	160	33
90°	0	38	82	112	123	2
95°	0	37	78	107	118	0
105°	0	30	74	101	110	1
115°	2	27	62	90	101	2
125°	2	22	53	77	86	1
135°	2	18	43	62	70	1
145°	2	13	30	48	53	1
155°	2	8	19	30	35	1
165°	2	5	10	14	18	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°	776.7	776.7	776.7	776.7	776.7
2.5°	781.5	779.9	771.9	778.3	775.1
5°	779.9	778.3	770.3	776.7	775.1
7.5°	773.5	773.5	768.7	775.1	773.5
10°	767.1	767.1	762.3	770.3	768.7
12.5°	757.5	759.1	755.9	765.5	763.9
15°	746.3	749.5	747.9	757.5	757.5
17.5°	733.5	736.7	736.7	747.9	747.9
20°	717.4	722.2	725.4	738.3	738.3
22.5°	701.4	707.8	712.6	723.8	728.7
25°	682.2	690.2	698.2	712.6	712.6
27.5°	663.0	672.6	682.2	696.6	698.2
30°	640.6	651.8	664.6	679.0	682.2
32.5°	618.2	632.6	645.4	663.0	667.8
35°	594.1	608.5	626.2	643.8	648.6
37.5°	566.9	584.5	606.9	626.2	631.0
40°	542.9	562.1	584.5	606.9	611.7
42.5°	515.7	536.5	563.7	584.5	592.5
45°	488.4	510.9	539.7	563.7	570.1
47.5°	459.6	485.2	517.3	539.7	547.7
50°	430.8	458.0	491.6	517.3	523.7
52.5°	402.0	430.8	466.0	491.6	499.6
55°	371.5	402.0	438.8	466.0	475.6
57.5°	342.7	373.1	411.6	440.4	450.0
60°	310.7	345.9	384.3	413.2	424.4
62.5°	283.5	315.5	357.1	385.9	395.6
65°	251.4	285.1	328.3	358.7	368.3
67.5°	221.0	256.2	299.5	331.5	341.1
70°	190.6	225.8	272.2	302.7	313.9
72.5°	160.1	197.0	241.8	275.4	286.7
75°	131.3	166.5	214.6	248.2	259.4
77.5°	100.9	139.3	187.4	221.0	233.8
80°	73.7	113.7	161.7	195.4	208.2
82.5°	49.6	89.7	137.7	171.4	184.2
85°	28.8	68.9	116.9	148.9	160.1
87.5°	14.4	52.8	97.7	129.7	140.9
90°	0.0	38.4	81.7	112.1	123.3
92.5°	0.0	36.8	80.1	108.9	120.1
95°	0.0	36.8	78.5	107.3	118.5
97.5°	0.0	35.2	76.9	107.3	116.9
100°	0.0	33.6	76.9	105.7	115.3
102.5°	0.0	32.0	75.3	104.1	113.7
105°	0.0	30.4	73.7	100.9	110.5
107.5°	1.6	30.4	70.5	99.3	108.9
110°	1.6	28.8	67.3	97.7	107.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.6	27.2	64.1	94.5	104.1
115°	1.6	27.2	62.5	89.7	100.9
117.5°	1.6	25.6	59.3	86.5	97.7
120°	1.6	25.6	57.7	83.3	92.9
122.5°	1.6	24.0	54.4	80.1	89.7
125°	1.6	22.4	52.8	76.9	86.5
127.5°	1.6	20.8	51.2	73.7	83.3
130°	1.6	19.2	48.0	70.5	78.5
132.5°	1.6	19.2	46.4	65.7	75.3
135°	1.6	17.6	43.2	62.5	70.5
137.5°	1.6	16.0	40.0	59.3	67.3
140°	1.6	14.4	36.8	56.1	62.5
142.5°	1.6	14.4	33.6	51.2	57.7
145°	1.6	12.8	30.4	48.0	52.8
147.5°	1.6	11.2	27.2	43.2	48.0
150°	1.6	11.2	24.0	38.4	43.2
152.5°	1.6	9.6	20.8	35.2	40.0
155°	1.6	8.0	19.2	30.4	35.2
157.5°	1.6	8.0	16.0	25.6	30.4
160°	1.6	6.4	14.4	20.8	25.6
162.5°	1.6	6.4	12.8	17.6	22.4
165°	1.6	4.8	9.6	14.4	17.6
167.5°	1.6	4.8	8.0	11.2	14.4
170°	1.6	3.2	6.4	8.0	11.2
172.5°	1.6	3.2	4.8	4.8	4.8
175°	1.6	1.6	3.2	3.2	1.6
177.5°	1.6	1.6	1.6	1.6	1.6
180°	1.6	1.6	1.6	1.6	1.6

(END OF REPORT)