

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: P565660

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565660
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-30SL-LN-UNV-L840-CD
Description: 2FT 3000 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

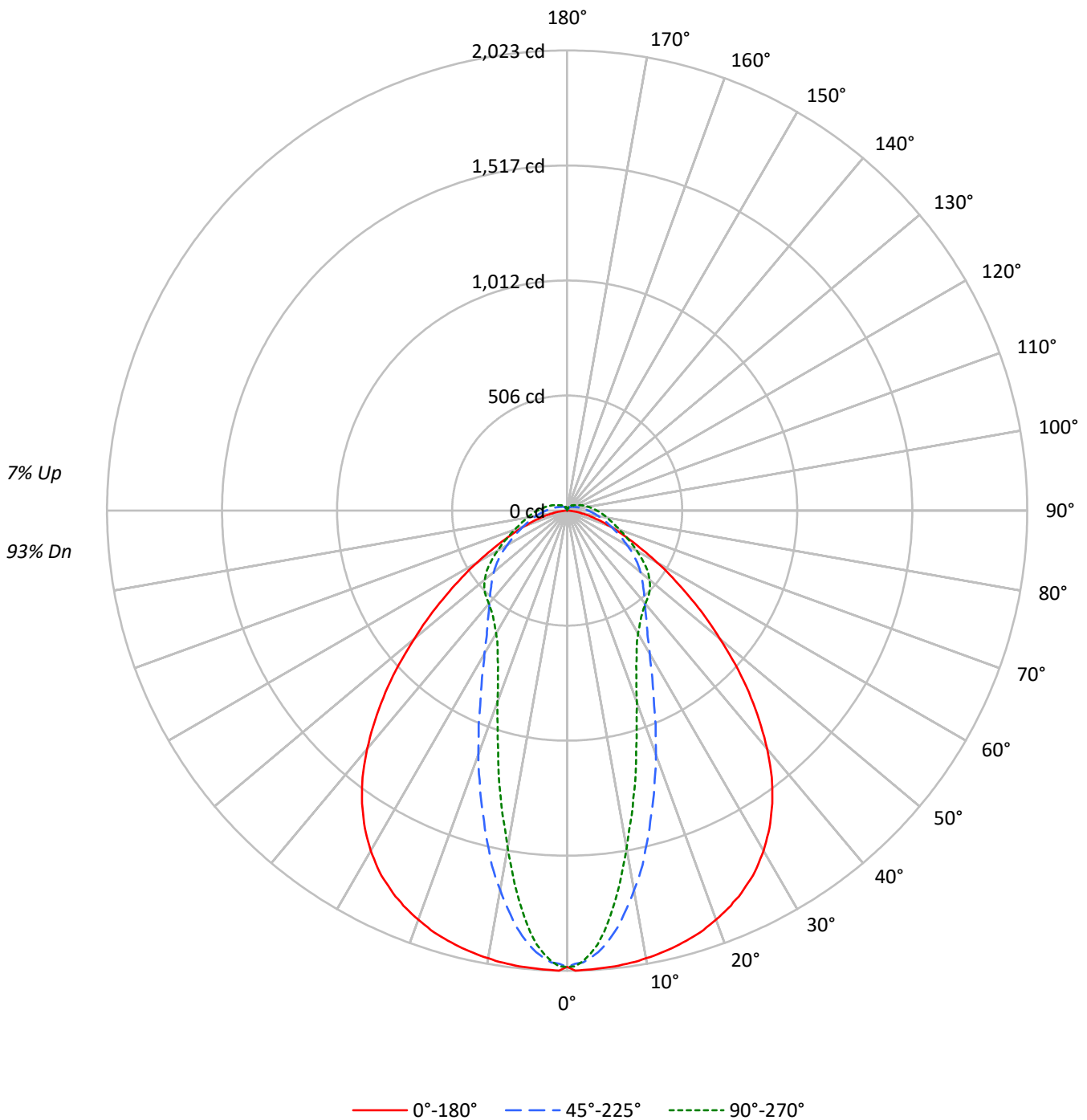
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3198.0 lumens
Efficiency: N/A
Efficacy: 152.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 21
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	50	30	10	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	43189	43189	43189
5°	43257	39598	37988
10°	43039	33874	29472
15°	42860	27572	22090
20°	42558	21918	16531
25°	42000	17139	13119
30°	40943	13843	11191
35°	39038	11692	10180
40°	35921	10300	9636
45°	31745	9402	9338
50°	26706	8633	8820
55°	21755	7804	8056
60°	17217	6845	7066
65°	13181	5992	6149
70°	10044	5282	5439
75°	7550	4727	4955
80°	5076	4303	4608
85°	2543	3987	4418



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.7	5.6
10°-20°	416.4	13.0
20°-30°	494.3	15.5
30°-40°	497.3	15.6
40°-50°	462.3	14.5
50°-60°	380.7	11.9
60°-70°	268.2	8.4
70°-80°	175.3	5.5
80°-90°	111.9	3.5
90°-100°	73.4	2.3
100°-110°	49.8	1.6
110°-120°	34.2	1.1
120°-130°	23.6	0.7
130°-140°	15.9	0.5
140°-150°	9.8	0.3
150°-160°	5.1	0.2
160°-170°	1.8	0.1
170°-180°	0.3	0.0
0°-30°	1088.4	34.0
0°-40°	1585.8	49.6
0°-60°	2428.7	75.9
0°-90°	2984.1	93.3
90°-120°	157.3	4.9
90°-150°	206.6	6.5
90°-180°	214.0	6.7
0°-180°	3198.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2006	2006	2006	2006	2006	
5°	2016	1989	1917	1880	1860	192
15°	1966	1756	1413	1235	1168	555
25°	1837	1358	900	756	724	845
35°	1572	918	610	572	568	978
45°	1130	605	473	498	511	867
55°	649	397	365	406	419	586
65°	305	240	251	283	293	309
75°	119	124	169	199	208	129
85°	20	57	114	148	154	25
90°	0	38	92	126	131	1
95°	0	28	77	106	111	0
105°	0	20	52	74	80	0
115°	2	17	37	54	57	1
125°	2	13	30	38	42	2
135°	2	12	24	30	32	1
145°	2	8	17	24	25	1
155°	2	7	12	17	18	1
165°	2	3	7	8	10	0
175°	3	3	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°	2006.2	2006.2	2006.2	2006.2	2006.2
1°	2023.0	2014.6	1992.8	2007.9	2004.5
2°	2021.3	2012.9	1987.8	1994.5	1982.7
3°	2019.6	2007.9	1969.3	1967.7	1950.9
4°	2017.9	1999.5	1945.9	1925.8	1912.3
5°	2016.3	1989.4	1917.4	1880.5	1860.4
6°	2014.6	1977.7	1880.5	1825.2	1796.7
7°	2011.2	1959.3	1842.0	1766.5	1729.7
8°	2007.9	1942.5	1793.3	1702.8	1657.6
9°	2004.5	1920.7	1744.7	1634.1	1580.5
10°	1997.8	1898.9	1694.5	1563.7	1506.7
11°	1994.5	1873.8	1645.9	1496.7	1429.6
12°	1987.8	1847.0	1593.9	1426.3	1367.6
13°	1981.1	1818.5	1530.2	1366.0	1295.6
14°	1974.4	1788.3	1474.9	1298.9	1233.6
15°	1966.0	1756.5	1412.9	1235.2	1168.2
16°	1957.6	1719.6	1357.6	1169.9	1099.5
17°	1949.2	1684.4	1305.6	1109.5	1045.8
18°	1939.2	1649.2	1245.3	1050.9	988.9
19°	1925.8	1609.0	1196.7	997.2	940.2
20°	1914.0	1572.1	1141.4	947.0	896.7
21°	1900.6	1526.9	1086.1	900.0	849.7
22.5°	1880.5	1463.2	1015.7	841.4	794.4
23°	1870.4	1444.7	987.2	819.6	779.4
24°	1857.0	1396.1	940.2	786.1	745.8
25°	1836.9	1357.6	900.0	755.9	724.0
26°	1818.5	1310.7	859.8	729.1	697.2
27°	1800.1	1265.4	824.6	700.6	673.8
28°	1776.6	1218.5	786.1	677.1	653.6
29°	1751.4	1174.9	754.2	657.0	638.6
30°	1726.3	1126.3	727.4	638.6	623.5
32.5°	1655.9	1019.0	658.7	603.4	593.3
35°	1572.1	918.5	610.1	571.5	568.2
37.5°	1478.3	826.3	566.5	546.4	549.7
40°	1367.6	742.5	529.6	527.9	534.7
42.5°	1250.3	670.4	501.1	512.9	522.9
45°	1129.6	605.0	472.6	497.8	511.2
47.5°	1003.9	548.1	447.5	479.3	494.4
50°	876.6	492.8	420.7	457.6	472.6
52.5°	762.6	444.1	393.9	432.4	449.2
55°	648.6	397.2	365.4	405.6	419.0
57.5°	549.7	353.6	335.2	375.4	385.5
60°	457.6	311.7	305.0	341.9	353.6
62.5°	373.8	274.9	276.5	311.7	323.5
65°	305.0	239.7	251.4	283.2	293.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	248.1	206.2	226.3	259.8	268.2
70°	196.1	176.0	206.2	236.3	244.7
72.5°	155.9	149.2	186.0	217.9	224.6
75°	119.0	124.0	169.3	199.4	207.8
77.5°	85.5	103.9	152.5	184.4	191.1
80°	60.3	85.5	139.1	171.0	177.7
82.5°	38.5	70.4	125.7	159.2	165.9
85°	20.1	57.0	114.0	147.5	154.2
87.5°	8.4	46.9	102.2	135.8	142.5
90°	0.0	38.5	92.2	125.7	130.7
92.5°	0.0	33.5	83.8	115.6	120.7
95°	0.0	28.5	77.1	105.6	110.6
97.5°	0.0	26.8	68.7	97.2	102.2
100°	0.0	23.5	62.0	88.8	95.5
102.5°	0.0	21.8	57.0	80.4	87.2
105°	0.0	20.1	52.0	73.7	80.4
107.5°	0.0	18.4	48.6	68.7	73.7
110°	0.0	18.4	43.6	63.7	68.7
112.5°	1.7	16.8	40.2	57.0	62.0
115°	1.7	16.8	36.9	53.6	57.0
117.5°	1.7	16.8	35.2	48.6	52.0
120°	1.7	15.1	33.5	45.3	48.6
122.5°	1.7	15.1	31.8	41.9	43.6
125°	1.7	13.4	30.2	38.5	41.9
127.5°	1.7	13.4	28.5	36.9	38.5
130°	1.7	13.4	26.8	33.5	36.9
132.5°	1.7	11.7	25.1	31.8	33.5
135°	1.7	11.7	23.5	30.2	31.8
137.5°	1.7	10.1	21.8	28.5	30.2
140°	1.7	10.1	20.1	26.8	28.5
142.5°	1.7	8.4	18.4	25.1	26.8
145°	1.7	8.4	16.8	23.5	25.1
147.5°	1.7	8.4	15.1	21.8	23.5
150°	1.7	6.7	13.4	20.1	21.8
152.5°	1.7	6.7	11.7	18.4	20.1
155°	1.7	6.7	11.7	16.8	18.4
157.5°	1.7	5.0	10.1	13.4	16.8
160°	1.7	5.0	8.4	11.7	15.1
162.5°	1.7	5.0	8.4	10.1	11.7
165°	1.7	3.4	6.7	8.4	10.1
167.5°	1.7	3.4	5.0	6.7	8.4
170°	1.7	3.4	5.0	5.0	6.7
172.5°	1.7	3.4	3.4	3.4	3.4
175°	3.4	3.4	3.4	3.4	1.7
177.5°	3.4	3.4	3.4	1.7	1.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.7	1.7	1.7	1.7	1.7

(END OF REPORT)