

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: P565664

Luminaire Tested: **2SNX-30SL-LN-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565664
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-L940-CD
Description: 2FT 3000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

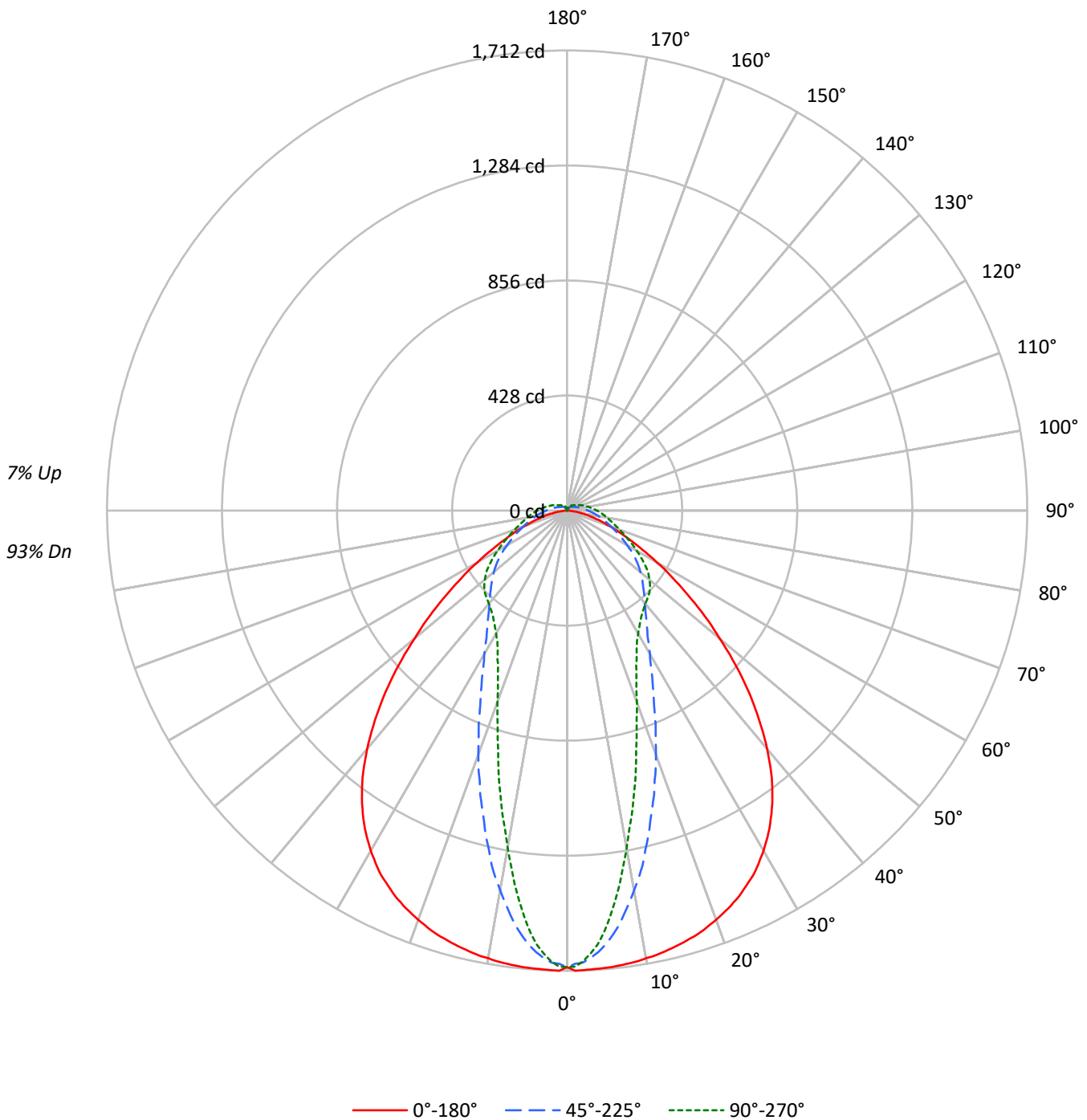
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2707.0 lumens
Efficiency: N/A
Efficacy: 128.9 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	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°	36559	36559	36559
5°	36615	33518	32156
10°	36432	28672	24947
15°	36278	23339	18698
20°	36025	18552	13993
25°	35552	14508	11106
30°	34658	11717	9474
35°	33043	9896	8616
40°	30408	8719	8156
45°	26872	7960	7904
50°	22606	7308	7467
55°	18414	6606	6820
60°	14572	5794	5981
65°	11158	5072	5206
70°	8502	4470	4603
75°	6389	4001	4195
80°	4302	3644	3900
85°	2151	3375	3739



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.4	5.6
10°-20°	352.5	13.0
20°-30°	418.4	15.5
30°-40°	421.0	15.6
40°-50°	391.3	14.5
50°-60°	322.2	11.9
60°-70°	227.1	8.4
70°-80°	148.3	5.5
80°-90°	94.7	3.5
90°-100°	62.1	2.3
100°-110°	42.2	1.6
110°-120°	28.9	1.1
120°-130°	20.0	0.7
130°-140°	13.4	0.5
140°-150°	8.3	0.3
150°-160°	4.3	0.2
160°-170°	1.6	0.1
170°-180°	0.3	0.0
0°-30°	921.3	34.0
0°-40°	1342.3	49.6
0°-60°	2055.8	75.9
0°-90°	2526.0	93.3
90°-120°	133.2	4.9
90°-150°	174.9	6.5
90°-180°	181.0	6.7
0°-180°	2707.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1698	1698	1698	1698	1698	
5°	1707	1684	1623	1592	1575	162
15°	1664	1487	1196	1046	989	470
25°	1555	1149	762	640	613	716
35°	1331	777	516	484	481	828
45°	956	512	400	421	433	734
55°	549	336	309	343	355	496
65°	258	203	213	240	248	262
75°	101	105	143	169	176	109
85°	17	48	96	125	130	21
90°	0	33	78	106	111	1
95°	0	24	65	89	94	0
105°	0	17	44	62	68	0
115°	1	14	31	45	48	1
125°	1	11	26	33	36	1
135°	1	10	20	26	27	1
145°	1	7	14	20	21	1
155°	1	6	10	14	16	1
165°	1	3	6	7	8	0
175°	3	3	3	3	1	0
180°	1	1	1	1	1	



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CATALOG NUMBER: 2SNX-30SL-LN-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1698.2	1698.2	1698.2	1698.2	1698.2
1°	1712.4	1705.3	1686.8	1699.6	1696.8
2°	1711.0	1703.9	1682.6	1688.3	1678.3
3°	1709.5	1699.6	1667.0	1665.6	1651.4
4°	1708.1	1692.5	1647.1	1630.1	1618.7
5°	1706.7	1684.0	1623.0	1591.8	1574.8
6°	1705.3	1674.1	1591.8	1545.0	1520.8
7°	1702.4	1658.5	1559.1	1495.3	1464.1
8°	1699.6	1644.3	1518.0	1441.4	1403.1
9°	1696.8	1625.8	1476.9	1383.2	1337.8
10°	1691.1	1607.4	1434.3	1323.6	1275.4
11°	1688.3	1586.1	1393.2	1266.9	1210.1
12°	1682.6	1563.4	1349.2	1207.3	1157.7
13°	1676.9	1539.3	1295.3	1156.2	1096.7
14°	1671.2	1513.8	1248.5	1099.5	1044.2
15°	1664.1	1486.8	1196.0	1045.6	988.8
16°	1657.0	1455.6	1149.1	990.3	930.7
17°	1649.9	1425.8	1105.2	939.2	885.3
18°	1641.4	1396.0	1054.1	889.5	837.0
19°	1630.1	1362.0	1013.0	844.1	795.9
20°	1620.2	1330.7	966.1	801.6	759.0
21°	1608.8	1292.4	919.3	761.8	719.3
22.5°	1591.8	1238.5	859.7	712.2	672.5
23°	1583.3	1222.9	835.6	693.7	659.7
24°	1571.9	1181.8	795.9	665.4	631.3
25°	1554.9	1149.1	761.8	639.8	612.9
26°	1539.3	1109.4	727.8	617.1	590.2
27°	1523.7	1071.1	698.0	593.0	570.3
28°	1503.8	1031.4	665.4	573.2	553.3
29°	1482.5	994.5	638.4	556.1	540.5
30°	1461.3	953.4	615.7	540.5	527.8
32.5°	1401.7	862.6	557.5	510.7	502.2
35°	1330.7	777.4	516.4	483.8	480.9
37.5°	1251.3	699.4	479.5	462.5	465.3
40°	1157.7	628.5	448.3	446.9	452.6
42.5°	1058.3	567.5	424.2	434.1	442.6
45°	956.2	512.2	400.1	421.4	432.7
47.5°	849.8	463.9	378.8	405.7	418.5
50°	742.0	417.1	356.1	387.3	400.1
52.5°	645.5	376.0	333.4	366.0	380.2
55°	549.0	336.2	309.3	343.3	354.7
57.5°	465.3	299.3	283.7	317.8	326.3
60°	387.3	263.9	258.2	289.4	299.3
62.5°	316.4	232.7	234.1	263.9	273.8
65°	258.2	202.9	212.8	239.8	248.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	210.0	174.5	191.5	219.9	227.0
70°	166.0	149.0	174.5	200.0	207.1
72.5°	131.9	126.3	157.5	184.4	190.1
75°	100.7	105.0	143.3	168.8	175.9
77.5°	72.4	88.0	129.1	156.1	161.7
80°	51.1	72.4	117.8	144.7	150.4
82.5°	32.6	59.6	106.4	134.8	140.5
85°	17.0	48.2	96.5	124.8	130.5
87.5°	7.1	39.7	86.5	114.9	120.6
90°	0.0	32.6	78.0	106.4	110.7
92.5°	0.0	28.4	70.9	97.9	102.1
95°	0.0	24.1	65.3	89.4	93.6
97.5°	0.0	22.7	58.2	82.3	86.5
100°	0.0	19.9	52.5	75.2	80.9
102.5°	0.0	18.4	48.2	68.1	73.8
105°	0.0	17.0	44.0	62.4	68.1
107.5°	0.0	15.6	41.1	58.2	62.4
110°	0.0	15.6	36.9	53.9	58.2
112.5°	1.4	14.2	34.0	48.2	52.5
115°	1.4	14.2	31.2	45.4	48.2
117.5°	1.4	14.2	29.8	41.1	44.0
120°	1.4	12.8	28.4	38.3	41.1
122.5°	1.4	12.8	27.0	35.5	36.9
125°	1.4	11.3	25.5	32.6	35.5
127.5°	1.4	11.3	24.1	31.2	32.6
130°	1.4	11.3	22.7	28.4	31.2
132.5°	1.4	9.9	21.3	27.0	28.4
135°	1.4	9.9	19.9	25.5	27.0
137.5°	1.4	8.5	18.4	24.1	25.5
140°	1.4	8.5	17.0	22.7	24.1
142.5°	1.4	7.1	15.6	21.3	22.7
145°	1.4	7.1	14.2	19.9	21.3
147.5°	1.4	7.1	12.8	18.4	19.9
150°	1.4	5.7	11.3	17.0	18.4
152.5°	1.4	5.7	9.9	15.6	17.0
155°	1.4	5.7	9.9	14.2	15.6
157.5°	1.4	4.3	8.5	11.3	14.2
160°	1.4	4.3	7.1	9.9	12.8
162.5°	1.4	4.3	7.1	8.5	9.9
165°	1.4	2.8	5.7	7.1	8.5
167.5°	1.4	2.8	4.3	5.7	7.1
170°	1.4	2.8	4.3	4.3	5.7
172.5°	1.4	2.8	2.8	2.8	2.8
175°	2.8	2.8	2.8	2.8	1.4
177.5°	2.8	2.8	2.8	1.4	1.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.4	1.4	1.4	1.4	1.4

(END OF REPORT)