

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: P567994

Luminaire Tested: **8SNX-74SL-LW-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567994
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: 8SNX-74SL-LW-UNV-L830-CD
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

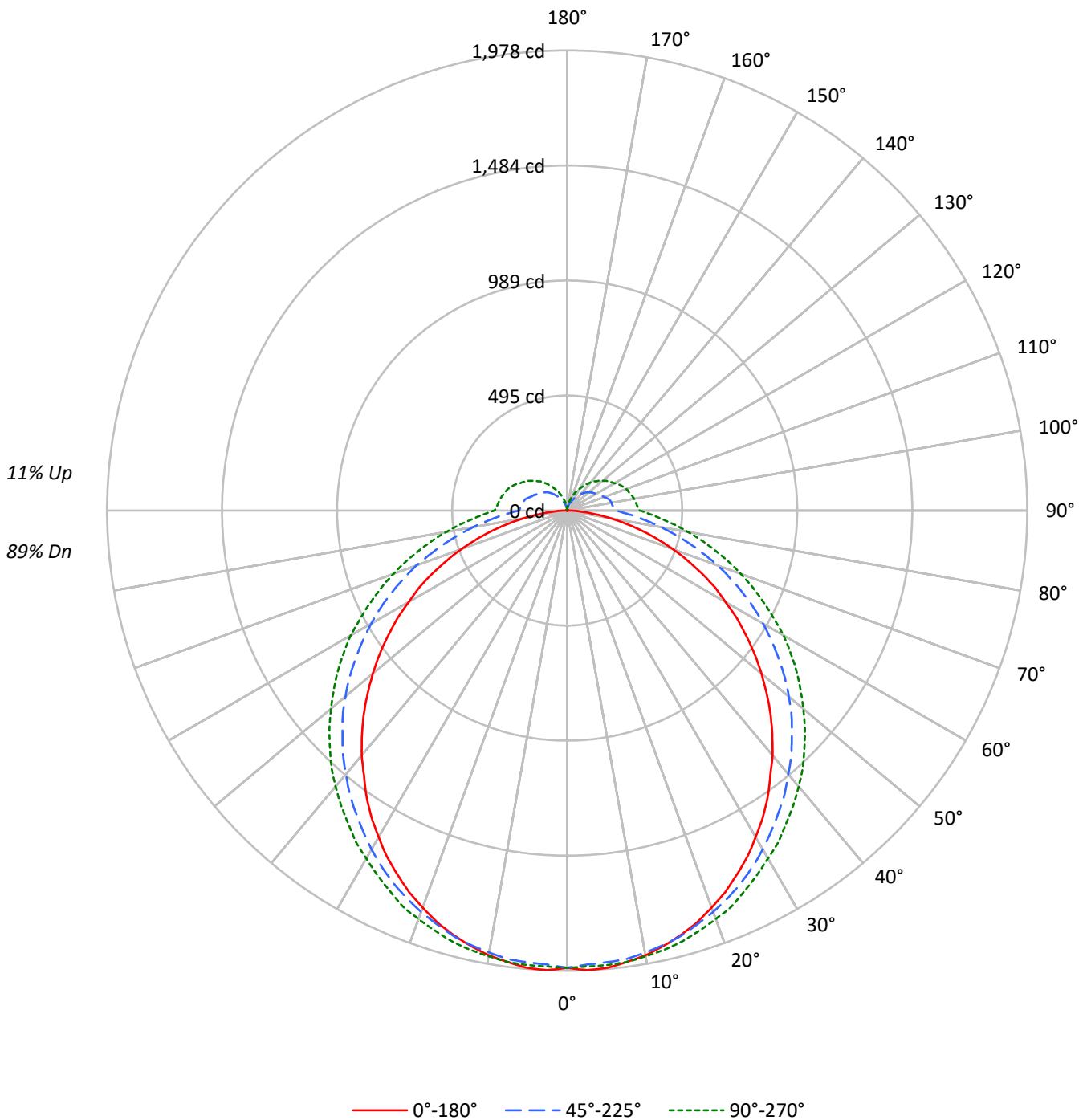
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6997.0 lumens
Efficiency: N/A
Efficacy: 145.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 48
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°	10578	10578	10578
5°	10643	10101	10012
10°	10570	9710	9512
15°	10464	9329	9061
20°	10320	8934	8611
25°	10153	8553	8169
30°	9954	8161	7747
35°	9736	7767	7352
40°	9486	7381	6975
45°	9215	6994	6588
50°	8906	6595	6183
55°	8567	6150	5785
60°	8168	5683	5365
65°	7755	5180	4885
70°	7178	4641	4414
75°	6411	4012	3914
80°	5167	3376	3415
85°	3636	2786	2903



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.7	2.7
10°-20°	536.6	7.7
20°-30°	815.9	11.7
30°-40°	990.4	14.2
40°-50°	1046.6	15.0
50°-60°	979.4	14.0
60°-70°	803.6	11.5
70°-80°	552.7	7.9
80°-90°	302.7	4.3
90°-100°	194.9	2.8
100°-110°	174.9	2.5
110°-120°	144.8	2.1
120°-130°	111.5	1.6
130°-140°	78.3	1.1
140°-150°	47.2	0.7
150°-160°	22.6	0.3
160°-170°	7.4	0.1
170°-180°	0.9	0.0
0°-30°	1539.2	22.0
0°-40°	2529.6	36.2
0°-60°	4555.6	65.1
0°-90°	6214.5	88.8
90°-120°	514.6	7.4
90°-150°	751.6	10.7
90°-180°	782.0	11.2
0°-180°	6997.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1966	1966	1966	1966	1966	
5°	1974	1970	1949	1966	1961	187
15°	1888	1897	1892	1917	1917	533
25°	1726	1747	1767	1803	1803	796
35°	1504	1540	1584	1629	1641	939
45°	1236	1293	1366	1426	1443	953
55°	940	1017	1110	1179	1204	841
65°	636	721	831	908	932	630
75°	332	422	543	628	656	350
85°	73	174	296	377	405	84
90°	0	97	207	284	312	5
95°	0	93	199	272	300	0
105°	0	77	186	255	280	3
115°	4	69	158	227	255	4
125°	4	57	134	194	219	4
135°	4	45	109	158	178	3
145°	4	32	77	122	134	3
155°	4	20	49	77	89	2
165°	4	12	24	36	45	1
175°	4	4	8	8	4	0
180°	4	4	4	4	4	



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CATALOG NUMBER: 8SNX-74SL-LW-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1965.5	1965.5	1965.5	1965.5	1965.5
2.5°	1977.6	1973.6	1953.3	1969.5	1961.4
5°	1973.6	1969.5	1949.3	1965.5	1961.4
7.5°	1957.4	1957.4	1945.2	1961.4	1957.4
10°	1941.2	1941.2	1929.0	1949.3	1945.2
12.5°	1916.8	1920.9	1912.8	1937.1	1933.1
15°	1888.5	1896.6	1892.5	1916.8	1916.8
17.5°	1856.1	1864.2	1864.2	1892.5	1892.5
20°	1815.5	1827.7	1835.8	1868.2	1868.2
22.5°	1775.0	1791.2	1803.4	1831.7	1843.9
25°	1726.4	1746.6	1766.9	1803.4	1803.4
27.5°	1677.7	1702.1	1726.4	1762.8	1766.9
30°	1621.0	1649.4	1681.8	1718.3	1726.4
32.5°	1564.3	1600.7	1633.2	1677.7	1689.9
35°	1503.5	1540.0	1584.5	1629.1	1641.3
37.5°	1434.6	1479.2	1535.9	1584.5	1596.7
40°	1373.8	1422.4	1479.2	1535.9	1548.1
42.5°	1304.9	1357.6	1426.5	1479.2	1499.4
45°	1236.0	1292.8	1365.7	1426.5	1442.7
47.5°	1163.1	1227.9	1309.0	1365.7	1386.0
50°	1090.1	1159.0	1244.1	1309.0	1325.2
52.5°	1017.2	1090.1	1179.3	1244.1	1264.4
55°	940.2	1017.2	1110.4	1179.3	1203.6
57.5°	867.2	944.2	1041.5	1114.4	1138.8
60°	786.2	875.3	972.6	1045.6	1073.9
62.5°	717.3	798.3	903.7	976.7	1001.0
65°	636.2	721.3	830.8	907.8	932.1
67.5°	559.2	648.4	757.8	838.9	863.2
70°	482.3	571.4	688.9	765.9	794.3
72.5°	405.3	498.5	611.9	697.0	725.4
75°	332.3	421.5	543.0	628.1	656.5
77.5°	255.3	352.6	474.1	559.2	591.7
80°	186.4	287.7	409.3	494.4	526.8
82.5°	125.6	226.9	348.5	433.6	466.0
85°	72.9	174.3	295.8	376.9	405.3
87.5°	36.5	133.7	247.2	328.3	356.6
90°	0.0	97.3	206.7	283.7	312.0
92.5°	0.0	93.2	202.6	275.6	303.9
95°	0.0	93.2	198.6	271.5	299.9
97.5°	0.0	89.2	194.5	271.5	295.8
100°	0.0	85.1	194.5	267.5	291.8
102.5°	0.0	81.1	190.5	263.4	287.7
105°	0.0	77.0	186.4	255.3	279.6
107.5°	4.1	77.0	178.3	251.3	275.6
110°	4.1	72.9	170.2	247.2	271.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.1	68.9	162.1	239.1	263.4
115°	4.1	68.9	158.0	226.9	255.3
117.5°	4.1	64.8	149.9	218.8	247.2
120°	4.1	64.8	145.9	210.7	235.0
122.5°	4.1	60.8	137.8	202.6	226.9
125°	4.1	56.7	133.7	194.5	218.8
127.5°	4.1	52.7	129.7	186.4	210.7
130°	4.1	48.6	121.6	178.3	198.6
132.5°	4.1	48.6	117.5	166.2	190.5
135°	4.1	44.6	109.4	158.0	178.3
137.5°	4.1	40.5	101.3	149.9	170.2
140°	4.1	36.5	93.2	141.8	158.0
142.5°	4.1	36.5	85.1	129.7	145.9
145°	4.1	32.4	77.0	121.6	133.7
147.5°	4.1	28.4	68.9	109.4	121.6
150°	4.1	28.4	60.8	97.3	109.4
152.5°	4.1	24.3	52.7	89.2	101.3
155°	4.1	20.3	48.6	77.0	89.2
157.5°	4.1	20.3	40.5	64.8	77.0
160°	4.1	16.2	36.5	52.7	64.8
162.5°	4.1	16.2	32.4	44.6	56.7
165°	4.1	12.2	24.3	36.5	44.6
167.5°	4.1	12.2	20.3	28.4	36.5
170°	4.1	8.1	16.2	20.3	28.4
172.5°	4.1	8.1	12.2	12.2	12.2
175°	4.1	4.1	8.1	8.1	4.1
177.5°	4.1	4.1	4.1	4.1	4.1
180°	4.1	4.1	4.1	4.1	4.1

(END OF REPORT)