

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: P567998

Luminaire Tested: **8SNX-74SL-LW-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567998
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-L930-CD
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

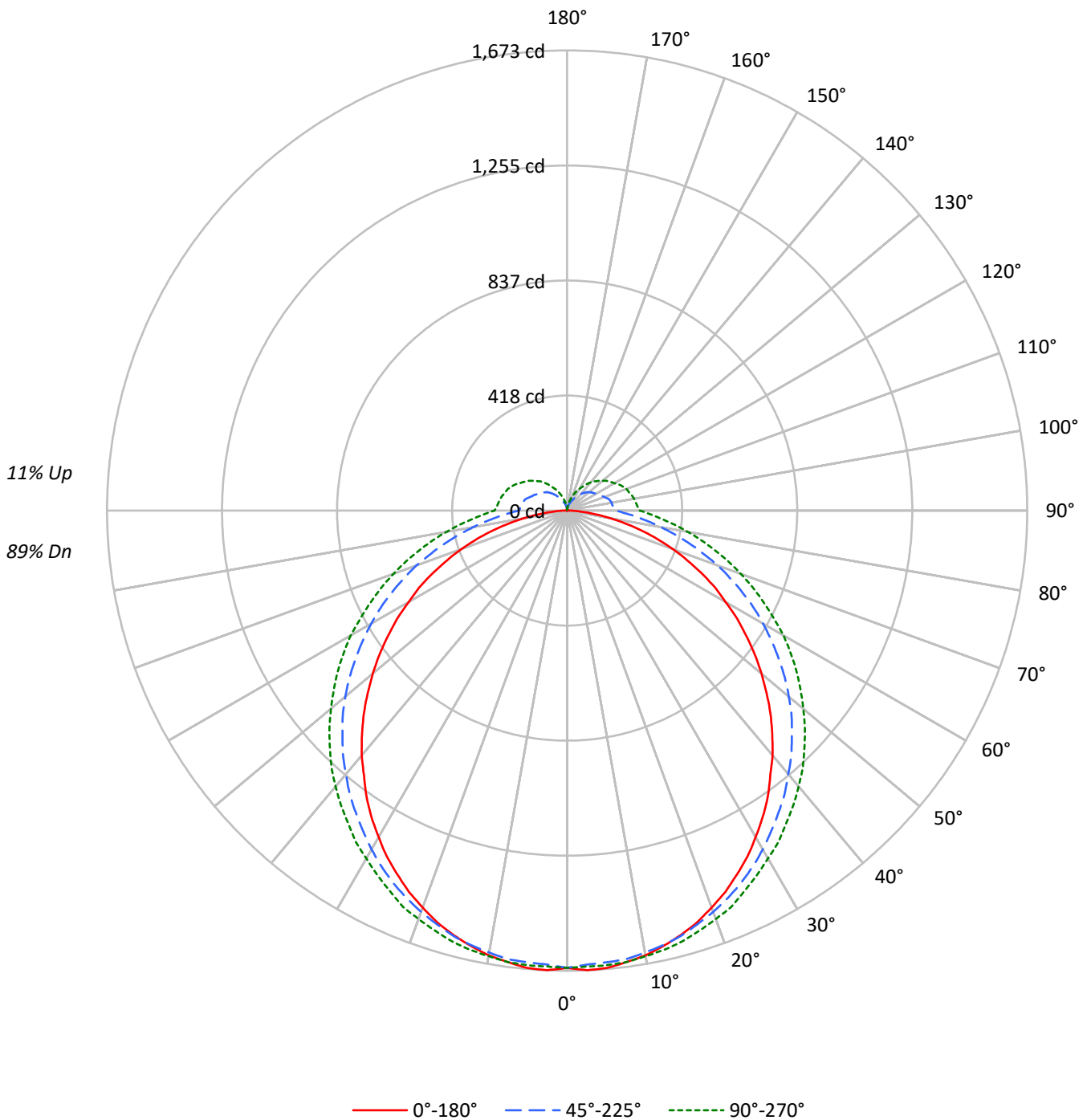
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5918.0 lumens
Efficiency: N/A
Efficacy: 123.3 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

TEST NUMBER: P567998
CATALOG NUMBER: 8SNX-74SL-LW-UNV-L930-CD

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	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°	8947	8947	8947
5°	9001	8544	8469
10°	8940	8212	8045
15°	8850	7891	7664
20°	8729	7556	7283
25°	8588	7234	6910
30°	8419	6902	6552
35°	8234	6569	6218
40°	8024	6243	5899
45°	7794	5916	5572
50°	7533	5579	5229
55°	7246	5201	4893
60°	6909	4807	4537
65°	6560	4381	4132
70°	6071	3926	3733
75°	5424	3394	3310
80°	4371	2856	2889
85°	3077	2356	2456



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.9	2.7
10°-20°	453.8	7.7
20°-30°	690.1	11.7
30°-40°	837.7	14.2
40°-50°	885.2	15.0
50°-60°	828.3	14.0
60°-70°	679.7	11.5
70°-80°	467.5	7.9
80°-90°	256.0	4.3
90°-100°	164.8	2.8
100°-110°	147.9	2.5
110°-120°	122.4	2.1
120°-130°	94.3	1.6
130°-140°	66.2	1.1
140°-150°	39.9	0.7
150°-160°	19.1	0.3
160°-170°	6.3	0.1
170°-180°	0.7	0.0
0°-30°	1301.8	22.0
0°-40°	2139.5	36.2
0°-60°	3853.1	65.1
0°-90°	5256.2	88.8
90°-120°	435.2	7.4
90°-150°	635.6	10.7
90°-180°	662.0	11.2
0°-180°	5918.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1662	1662	1662	1662	1662	
5°	1669	1666	1649	1662	1659	158
15°	1597	1604	1601	1621	1621	450
25°	1460	1477	1494	1525	1525	673
35°	1272	1302	1340	1378	1388	794
45°	1045	1093	1155	1206	1220	806
55°	795	860	939	997	1018	712
65°	538	610	703	768	788	533
75°	281	356	459	531	555	296
85°	62	147	250	319	343	71
90°	0	82	175	240	264	4
95°	0	79	168	230	254	0
105°	0	65	158	216	236	2
115°	3	58	134	192	216	3
125°	3	48	113	164	185	3
135°	3	38	92	134	151	3
145°	3	27	65	103	113	2
155°	3	17	41	65	75	2
165°	3	10	21	31	38	1
175°	3	3	7	7	3	0
180°	3	3	3	3	3	



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CATALOG NUMBER: 8SNX-74SL-LW-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1662.4	1662.4	1662.4	1662.4	1662.4
2.5°	1672.7	1669.2	1652.1	1665.8	1659.0
5°	1669.2	1665.8	1648.7	1662.4	1659.0
7.5°	1655.5	1655.5	1645.2	1659.0	1655.5
10°	1641.8	1641.8	1631.5	1648.7	1645.2
12.5°	1621.2	1624.7	1617.8	1638.4	1635.0
15°	1597.3	1604.1	1600.7	1621.2	1621.2
17.5°	1569.8	1576.7	1576.7	1600.7	1600.7
20°	1535.6	1545.8	1552.7	1580.1	1580.1
22.5°	1501.3	1515.0	1525.3	1549.3	1559.6
25°	1460.2	1477.3	1494.4	1525.3	1525.3
27.5°	1419.0	1439.6	1460.2	1491.0	1494.4
30°	1371.0	1395.0	1422.4	1453.3	1460.2
32.5°	1323.0	1353.9	1381.3	1419.0	1429.3
35°	1271.6	1302.5	1340.2	1377.9	1388.2
37.5°	1213.4	1251.1	1299.1	1340.2	1350.5
40°	1162.0	1203.1	1251.1	1299.1	1309.3
42.5°	1103.7	1148.2	1206.5	1251.1	1268.2
45°	1045.4	1093.4	1155.1	1206.5	1220.2
47.5°	983.7	1038.6	1107.1	1155.1	1172.2
50°	922.0	980.3	1052.3	1107.1	1120.8
52.5°	860.3	922.0	997.4	1052.3	1069.4
55°	795.2	860.3	939.2	997.4	1018.0
57.5°	733.5	798.6	880.9	942.6	963.2
60°	665.0	740.4	822.6	884.3	908.3
62.5°	606.7	675.2	764.4	826.0	846.6
65°	538.1	610.1	702.7	767.8	788.3
67.5°	473.0	548.4	641.0	709.5	730.1
70°	407.9	483.3	582.7	647.8	671.8
72.5°	342.8	421.6	517.6	589.5	613.5
75°	281.1	356.5	459.3	531.3	555.3
77.5°	215.9	298.2	401.0	473.0	500.4
80°	157.7	243.4	346.2	418.2	445.6
82.5°	106.3	191.9	294.8	366.8	394.2
85°	61.7	147.4	250.2	318.8	342.8
87.5°	30.8	113.1	209.1	277.6	301.6
90°	0.0	82.3	174.8	239.9	263.9
92.5°	0.0	78.8	171.4	233.1	257.1
95°	0.0	78.8	168.0	229.6	253.6
97.5°	0.0	75.4	164.5	229.6	250.2
100°	0.0	72.0	164.5	226.2	246.8
102.5°	0.0	68.6	161.1	222.8	243.4
105°	0.0	65.1	157.7	215.9	236.5
107.5°	3.4	65.1	150.8	212.5	233.1
110°	3.4	61.7	144.0	209.1	229.6



TEST NUMBER: P567998

CATALOG NUMBER: 8SNX-74SL-LW-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.4	58.3	137.1	202.2	222.8
115°	3.4	58.3	133.7	191.9	215.9
117.5°	3.4	54.8	126.8	185.1	209.1
120°	3.4	54.8	123.4	178.2	198.8
122.5°	3.4	51.4	116.5	171.4	191.9
125°	3.4	48.0	113.1	164.5	185.1
127.5°	3.4	44.6	109.7	157.7	178.2
130°	3.4	41.1	102.8	150.8	168.0
132.5°	3.4	41.1	99.4	140.5	161.1
135°	3.4	37.7	92.5	133.7	150.8
137.5°	3.4	34.3	85.7	126.8	144.0
140°	3.4	30.8	78.8	120.0	133.7
142.5°	3.4	30.8	72.0	109.7	123.4
145°	3.4	27.4	65.1	102.8	113.1
147.5°	3.4	24.0	58.3	92.5	102.8
150°	3.4	24.0	51.4	82.3	92.5
152.5°	3.4	20.6	44.6	75.4	85.7
155°	3.4	17.1	41.1	65.1	75.4
157.5°	3.4	17.1	34.3	54.8	65.1
160°	3.4	13.7	30.8	44.6	54.8
162.5°	3.4	13.7	27.4	37.7	48.0
165°	3.4	10.3	20.6	30.8	37.7
167.5°	3.4	10.3	17.1	24.0	30.8
170°	3.4	6.9	13.7	17.1	24.0
172.5°	3.4	6.9	10.3	10.3	10.3
175°	3.4	3.4	6.9	6.9	3.4
177.5°	3.4	3.4	3.4	3.4	3.4
180°	3.4	3.4	3.4	3.4	3.4

(END OF REPORT)