

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: P568008

Luminaire Tested: **8SNX-74SL-SLW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568008
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-SLW-UNV-L940-CD
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

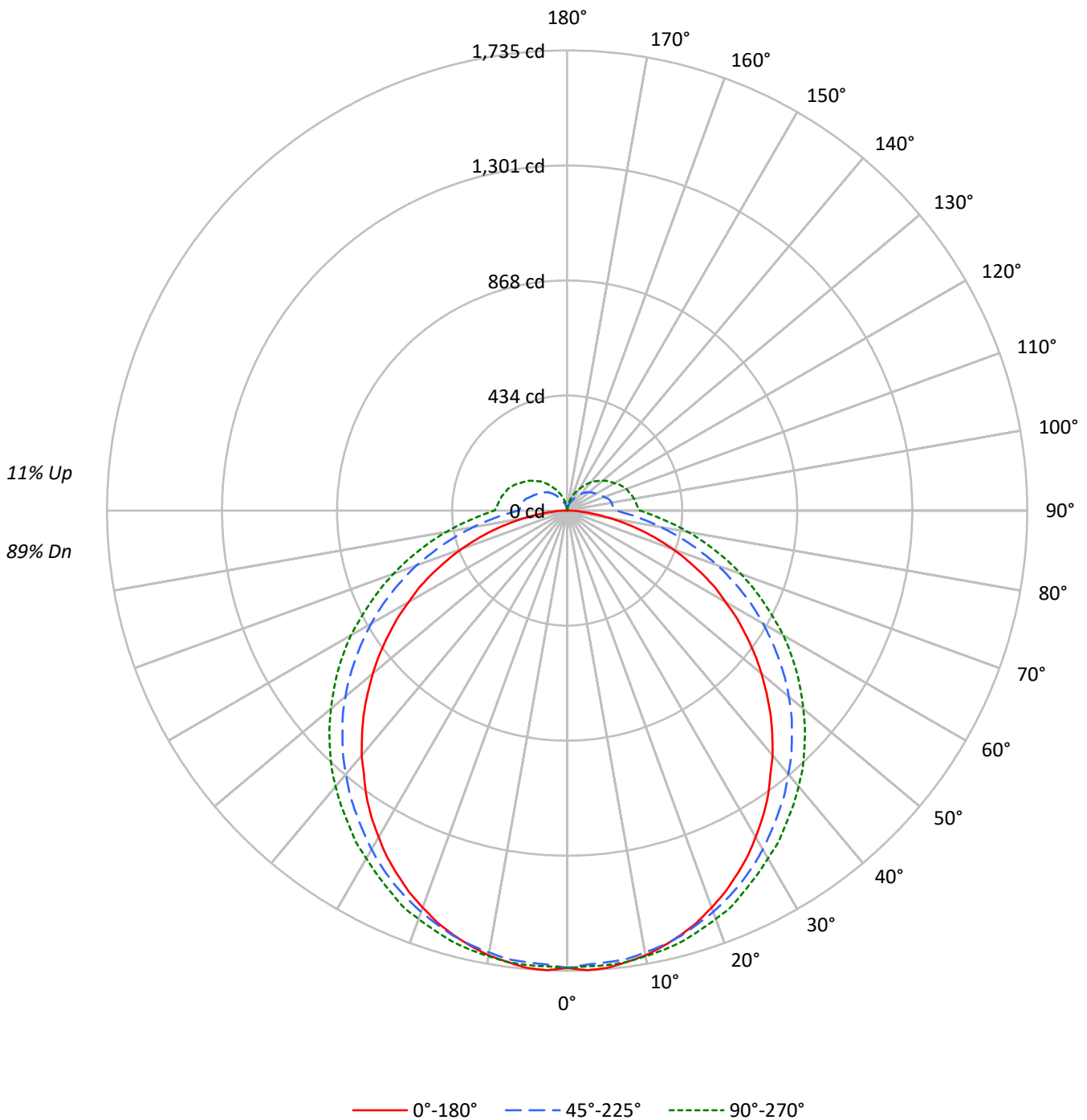
Lumens per Lamp: N/A
Luminaire Lumens: 6137.0 lumens
Efficiency: N/A
Efficacy: 127.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

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: P568008

CATALOG NUMBER: 8SNX-74SL-SLW-UNV-L940-CD

Luminous Intensity Polar Plot





TEST NUMBER: P568008

CATALOG NUMBER: 8SNX-74SL-SLW-UNV-L940-CD

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	76	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°	9278	9278	9278
5°	9343	9045	9032
10°	9288	8868	8808
15°	9204	8685	8602
20°	9086	8475	8373
25°	8949	8269	8133
30°	8783	8043	7896
35°	8602	7808	7674
40°	8393	7576	7461
45°	8167	7340	7231
50°	7908	7091	6973
55°	7624	6790	6720
60°	7292	6470	6437
65°	6951	6108	6081
70°	6472	5711	5733
75°	5836	5203	5348
80°	4786	4689	4968
85°	3533	4254	4577



TEST NUMBER: P568008

CATALOG NUMBER: 8SNX-74SL-SLW-UNV-L940-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.7	2.7
10°-20°	470.6	7.7
20°-30°	715.6	11.7
30°-40°	868.7	14.2
40°-50°	918.0	15.0
50°-60°	859.0	14.0
60°-70°	704.8	11.5
70°-80°	484.8	7.9
80°-90°	265.5	4.3
90°-100°	171.0	2.8
100°-110°	153.4	2.5
110°-120°	127.0	2.1
120°-130°	97.8	1.6
130°-140°	68.7	1.1
140°-150°	41.4	0.7
150°-160°	19.8	0.3
160°-170°	6.5	0.1
170°-180°	0.8	0.0
0°-30°	1350.0	22.0
0°-40°	2218.7	36.2
0°-60°	3995.6	65.1
0°-90°	5450.7	88.8
90°-120°	451.3	7.4
90°-150°	659.2	10.7
90°-180°	686.0	11.2
0°-180°	6137.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1724	1724	1724	1724	1724	
5°	1731	1728	1710	1724	1720	164
15°	1656	1664	1660	1681	1681	467
25°	1514	1532	1550	1582	1582	698
35°	1319	1351	1390	1429	1440	824
45°	1084	1134	1198	1251	1265	836
55°	825	892	974	1034	1056	738
65°	558	633	729	796	818	553
75°	292	370	476	551	576	307
85°	64	153	260	331	355	74
90°	0	85	181	249	274	4
95°	0	82	174	238	263	0
105°	0	68	164	224	245	2
115°	4	60	139	199	224	4
125°	4	50	117	171	192	3
135°	4	39	96	139	156	3
145°	4	28	68	107	117	2
155°	4	18	43	68	78	2
165°	4	11	21	32	39	1
175°	4	4	7	7	4	0
180°	4	4	4	4	4	



TEST NUMBER: P568008

CATALOG NUMBER: 8SNX-74SL-SLW-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1723.9	1723.9	1723.9	1723.9	1723.9
2.5°	1734.6	1731.0	1713.2	1727.5	1720.3
5°	1731.0	1727.5	1709.7	1723.9	1720.3
7.5°	1716.8	1716.8	1706.1	1720.3	1716.8
10°	1702.6	1702.6	1691.9	1709.7	1706.1
12.5°	1681.2	1684.8	1677.7	1699.0	1695.5
15°	1656.4	1663.5	1659.9	1681.2	1681.2
17.5°	1627.9	1635.0	1635.0	1659.9	1659.9
20°	1592.4	1603.0	1610.2	1638.6	1638.6
22.5°	1556.8	1571.1	1581.7	1606.6	1617.3
25°	1514.2	1532.0	1549.7	1581.7	1581.7
27.5°	1471.5	1492.9	1514.2	1546.2	1549.7
30°	1421.8	1446.7	1475.1	1507.1	1514.2
32.5°	1372.0	1404.0	1432.4	1471.5	1482.2
35°	1318.7	1350.7	1389.8	1428.9	1439.5
37.5°	1258.3	1297.4	1347.1	1389.8	1400.4
40°	1205.0	1247.6	1297.4	1347.1	1357.8
42.5°	1144.5	1190.7	1251.2	1297.4	1315.1
45°	1084.1	1133.9	1197.8	1251.2	1265.4
47.5°	1020.1	1077.0	1148.1	1197.8	1215.6
50°	956.1	1016.6	1091.2	1148.1	1162.3
52.5°	892.2	956.1	1034.3	1091.2	1109.0
55°	824.6	892.2	973.9	1034.3	1055.7
57.5°	760.6	828.2	913.5	977.5	998.8
60°	689.6	767.8	853.1	917.0	941.9
62.5°	629.1	700.2	792.6	856.6	877.9
65°	558.0	632.7	728.7	796.2	817.5
67.5°	490.5	568.7	664.7	735.8	757.1
70°	423.0	501.2	604.3	671.8	696.7
72.5°	355.4	437.2	536.7	611.4	636.2
75°	291.5	369.7	476.3	550.9	575.8
77.5°	223.9	309.2	415.9	490.5	518.9
80°	163.5	252.4	359.0	433.6	462.1
82.5°	110.2	199.0	305.7	380.3	408.8
85°	64.0	152.8	259.5	330.6	355.4
87.5°	32.0	117.3	216.8	287.9	312.8
90°	0.0	85.3	181.3	248.8	273.7
92.5°	0.0	81.8	177.7	241.7	266.6
95°	0.0	81.8	174.2	238.1	263.0
97.5°	0.0	78.2	170.6	238.1	259.5
100°	0.0	74.6	170.6	234.6	255.9
102.5°	0.0	71.1	167.1	231.0	252.4
105°	0.0	67.5	163.5	223.9	245.3
107.5°	3.6	67.5	156.4	220.4	241.7
110°	3.6	64.0	149.3	216.8	238.1



TEST NUMBER: P568008

CATALOG NUMBER: 8SNX-74SL-SLW-UNV-L940-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.6	60.4	142.2	209.7	231.0
115°	3.6	60.4	138.6	199.0	223.9
117.5°	3.6	56.9	131.5	191.9	216.8
120°	3.6	56.9	128.0	184.8	206.2
122.5°	3.6	53.3	120.9	177.7	199.0
125°	3.6	49.8	117.3	170.6	191.9
127.5°	3.6	46.2	113.7	163.5	184.8
130°	3.6	42.7	106.6	156.4	174.2
132.5°	3.6	42.7	103.1	145.7	167.1
135°	3.6	39.1	96.0	138.6	156.4
137.5°	3.6	35.5	88.9	131.5	149.3
140°	3.6	32.0	81.8	124.4	138.6
142.5°	3.6	32.0	74.6	113.7	128.0
145°	3.6	28.4	67.5	106.6	117.3
147.5°	3.6	24.9	60.4	96.0	106.6
150°	3.6	24.9	53.3	85.3	96.0
152.5°	3.6	21.3	46.2	78.2	88.9
155°	3.6	17.8	42.7	67.5	78.2
157.5°	3.6	17.8	35.5	56.9	67.5
160°	3.6	14.2	32.0	46.2	56.9
162.5°	3.6	14.2	28.4	39.1	49.8
165°	3.6	10.7	21.3	32.0	39.1
167.5°	3.6	10.7	17.8	24.9	32.0
170°	3.6	7.1	14.2	17.8	24.9
172.5°	3.6	7.1	10.7	10.7	10.7
175°	3.6	3.6	7.1	7.1	3.6
177.5°	3.6	3.6	3.6	3.6	3.6
180°	3.6	3.6	3.6	3.6	3.6

(END OF REPORT)