

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: P568048

Luminaire Tested: **8SNX-82SL-LW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568048
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-82SL-LW-UNV-L940-CD
Description: 8FT 8200 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

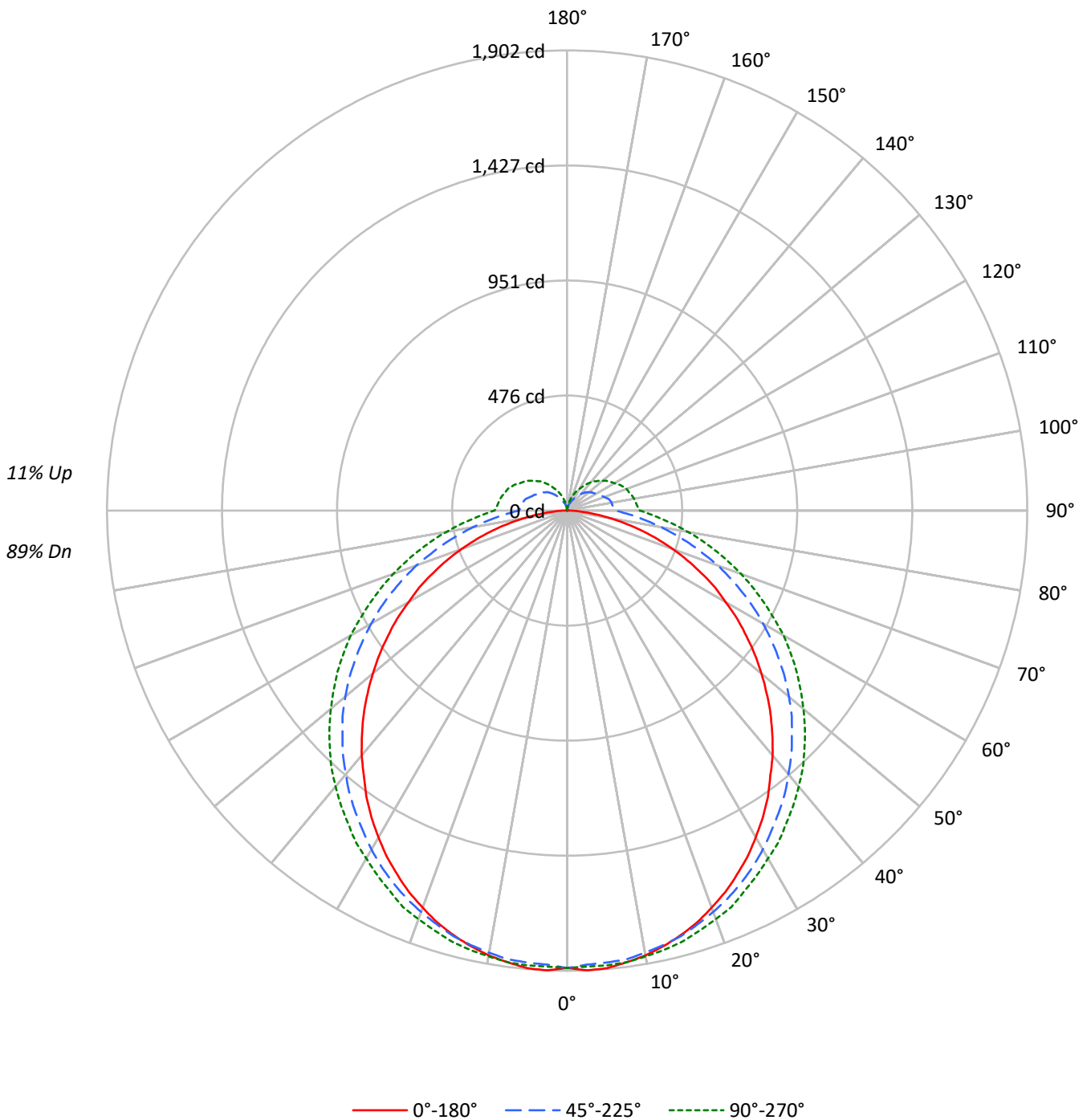
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6730.1 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: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 52.6
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

TEST NUMBER: P568048
CATALOG NUMBER: 8SNX-82SL-LW-UNV-L940-CD

Luminous Intensity Polar Plot





TEST NUMBER: P568048

CATALOG NUMBER: 8SNX-82SL-LW-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°	10175	10175	10175
5°	10237	9716	9631
10°	10166	9339	9149
15°	10064	8973	8716
20°	9926	8592	8282
25°	9766	8227	7858
30°	9575	7849	7451
35°	9364	7471	7071
40°	9124	7099	6708
45°	8864	6728	6337
50°	8566	6344	5947
55°	8240	5915	5565
60°	7856	5467	5160
65°	7460	4982	4699
70°	6903	4464	4246
75°	6166	3859	3765
80°	4970	3248	3285
85°	3501	2679	2792



TEST NUMBER: P568048

CATALOG NUMBER: 8SNX-82SL-LW-UNV-L940-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.6	2.7
10°-20°	516.1	7.7
20°-30°	784.8	11.7
30°-40°	952.6	14.2
40°-50°	1006.7	15.0
50°-60°	942.0	14.0
60°-70°	772.9	11.5
70°-80°	531.6	7.9
80°-90°	291.1	4.3
90°-100°	187.5	2.8
100°-110°	168.2	2.5
110°-120°	139.3	2.1
120°-130°	107.2	1.6
130°-140°	75.3	1.1
140°-150°	45.4	0.7
150°-160°	21.7	0.3
160°-170°	7.1	0.1
170°-180°	0.9	0.0
0°-30°	1480.5	22.0
0°-40°	2433.1	36.2
0°-60°	4381.7	65.1
0°-90°	5977.4	88.8
90°-120°	495.0	7.4
90°-150°	722.9	10.7
90°-180°	753.0	11.2
0°-180°	6730.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1890	1890	1890	1890	1890	
5°	1898	1894	1875	1890	1887	180
15°	1816	1824	1820	1844	1844	512
25°	1660	1680	1700	1735	1735	765
35°	1446	1481	1524	1567	1579	903
45°	1189	1243	1314	1372	1388	916
55°	904	978	1068	1134	1158	809
65°	612	694	799	873	896	606
75°	320	405	522	604	632	337
85°	70	168	284	362	390	81
90°	0	94	199	273	300	5
95°	0	90	191	261	288	0
105°	0	74	179	246	269	3
115°	4	66	152	218	246	4
125°	4	55	129	187	210	3
135°	4	43	105	152	172	3
145°	4	31	74	117	129	2
155°	4	20	47	74	86	2
165°	4	12	23	35	43	1
175°	4	4	8	8	4	0
180°	4	4	4	4	4	



TEST NUMBER: P568048

CATALOG NUMBER: 8SNX-82SL-LW-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1890.5	1890.5	1890.5	1890.5	1890.5
2.5°	1902.2	1898.3	1878.8	1894.4	1886.6
5°	1898.3	1894.4	1874.9	1890.5	1886.6
7.5°	1882.7	1882.7	1871.0	1886.6	1882.7
10°	1867.1	1867.1	1855.4	1874.9	1871.0
12.5°	1843.7	1847.6	1839.8	1863.2	1859.3
15°	1816.4	1824.2	1820.3	1843.7	1843.7
17.5°	1785.2	1793.0	1793.0	1820.3	1820.3
20°	1746.3	1757.9	1765.7	1796.9	1796.9
22.5°	1707.3	1722.9	1734.6	1761.8	1773.5
25°	1660.5	1680.0	1699.5	1734.6	1734.6
27.5°	1613.7	1637.1	1660.5	1695.6	1699.5
30°	1559.2	1586.4	1617.6	1652.7	1660.5
32.5°	1504.6	1539.7	1570.8	1613.7	1625.4
35°	1446.1	1481.2	1524.1	1566.9	1578.6
37.5°	1379.9	1422.7	1477.3	1524.1	1535.8
40°	1321.4	1368.2	1422.7	1477.3	1489.0
42.5°	1255.1	1305.8	1372.1	1422.7	1442.2
45°	1188.9	1243.4	1313.6	1372.1	1387.6
47.5°	1118.7	1181.1	1259.0	1313.6	1333.1
50°	1048.5	1114.8	1196.6	1259.0	1274.6
52.5°	978.4	1048.5	1134.3	1196.6	1216.1
55°	904.3	978.4	1068.0	1134.3	1157.7
57.5°	834.1	908.2	1001.8	1071.9	1095.3
60°	756.2	841.9	935.5	1005.7	1032.9
62.5°	689.9	767.9	869.2	939.4	962.8
65°	612.0	693.8	799.1	873.1	896.5
67.5°	537.9	623.7	728.9	806.9	830.2
70°	463.8	549.6	662.6	736.7	764.0
72.5°	389.8	479.4	588.6	670.4	697.7
75°	319.6	405.4	522.3	604.2	631.5
77.5°	245.6	339.1	456.1	537.9	569.1
80°	179.3	276.7	393.7	475.5	506.7
82.5°	120.8	218.3	335.2	417.1	448.3
85°	70.2	167.6	284.5	362.5	389.8
87.5°	35.1	128.6	237.8	315.7	343.0
90°	0.0	93.5	198.8	272.9	300.1
92.5°	0.0	89.7	194.9	265.1	292.3
95°	0.0	89.7	191.0	261.2	288.4
97.5°	0.0	85.8	187.1	261.2	284.5
100°	0.0	81.9	187.1	257.3	280.6
102.5°	0.0	78.0	183.2	253.4	276.7
105°	0.0	74.1	179.3	245.6	269.0
107.5°	3.9	74.1	171.5	241.7	265.1
110°	3.9	70.2	163.7	237.8	261.2



TEST NUMBER: P568048

CATALOG NUMBER: 8SNX-82SL-LW-UNV-L940-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.9	66.3	155.9	230.0	253.4
115°	3.9	66.3	152.0	218.3	245.6
117.5°	3.9	62.4	144.2	210.5	237.8
120°	3.9	62.4	140.3	202.7	226.1
122.5°	3.9	58.5	132.5	194.9	218.3
125°	3.9	54.6	128.6	187.1	210.5
127.5°	3.9	50.7	124.7	179.3	202.7
130°	3.9	46.8	116.9	171.5	191.0
132.5°	3.9	46.8	113.0	159.8	183.2
135°	3.9	42.9	105.2	152.0	171.5
137.5°	3.9	39.0	97.4	144.2	163.7
140°	3.9	35.1	89.7	136.4	152.0
142.5°	3.9	35.1	81.9	124.7	140.3
145°	3.9	31.2	74.1	116.9	128.6
147.5°	3.9	27.3	66.3	105.2	116.9
150°	3.9	27.3	58.5	93.5	105.2
152.5°	3.9	23.4	50.7	85.8	97.4
155°	3.9	19.5	46.8	74.1	85.8
157.5°	3.9	19.5	39.0	62.4	74.1
160°	3.9	15.6	35.1	50.7	62.4
162.5°	3.9	15.6	31.2	42.9	54.6
165°	3.9	11.7	23.4	35.1	42.9
167.5°	3.9	11.7	19.5	27.3	35.1
170°	3.9	7.8	15.6	19.5	27.3
172.5°	3.9	7.8	11.7	11.7	11.7
175°	3.9	3.9	7.8	7.8	3.9
177.5°	3.9	3.9	3.9	3.9	3.9
180°	3.9	3.9	3.9	3.9	3.9

(END OF REPORT)