

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: P568022

Luminaire Tested: **8SNX-82SL-FDL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568022
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-82SL-FDL-UNV-L930-CD
Description: 8FT 8200 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

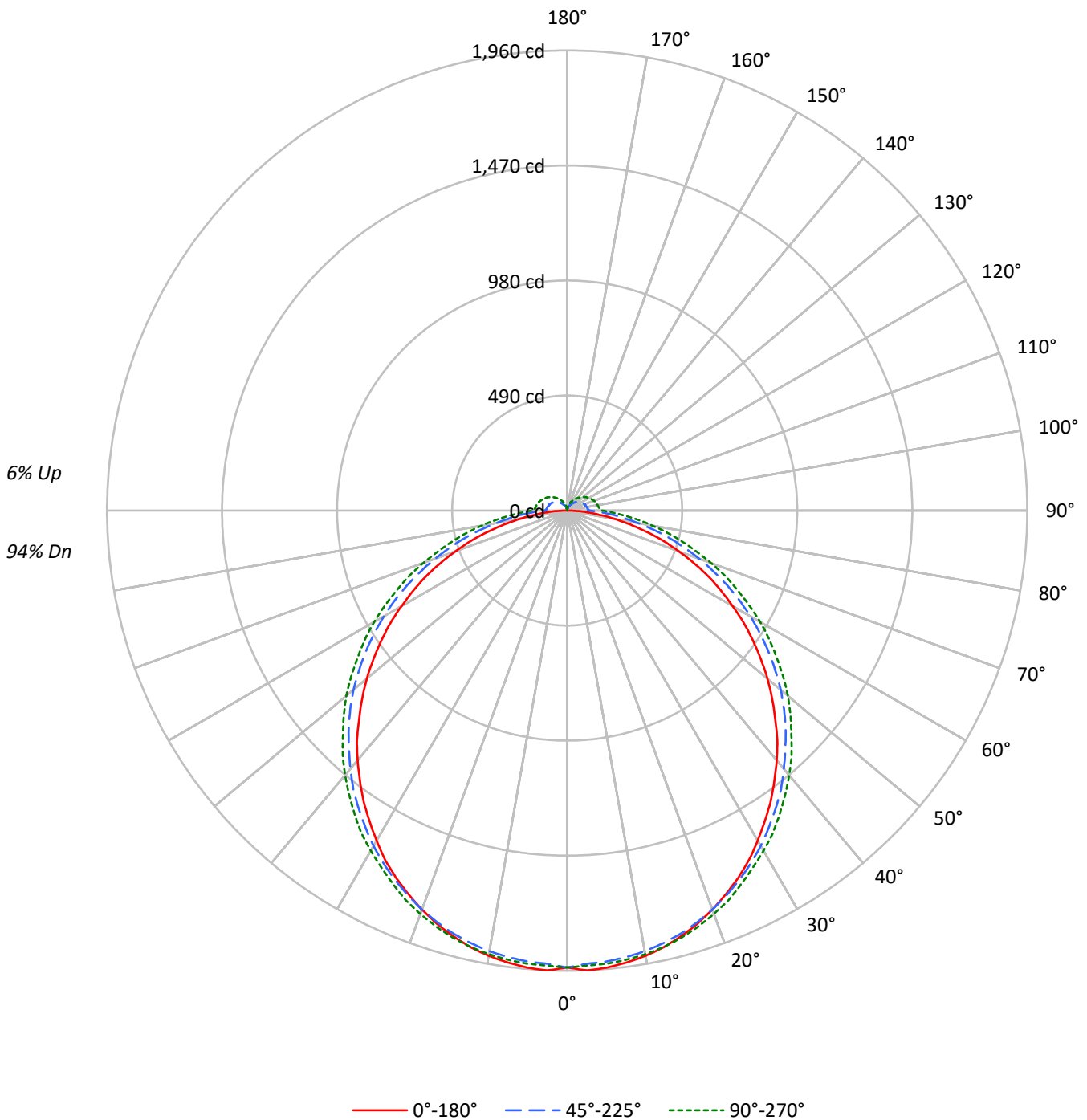
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6185.0 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: 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

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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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10475	10475	10475
5°	10552	10305	10317
10°	10513	10197	10187
15°	10439	10071	10042
20°	10337	9918	9871
25°	10219	9750	9668
30°	10057	9579	9481
35°	9895	9377	9286
40°	9715	9155	9067
45°	9487	8934	8811
50°	9269	8683	8577
55°	8997	8372	8251
60°	8693	8015	7932
65°	8373	7591	7491
70°	7816	7054	7034
75°	7149	6425	6487
80°	6165	5587	5881
85°	4977	4869	5170



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.6	3.0
10°-20°	529.7	8.6
20°-30°	802.7	13.0
30°-40°	969.0	15.7
40°-50°	1011.9	16.4
50°-60°	929.6	15.0
60°-70°	735.1	11.9
70°-80°	465.2	7.5
80°-90°	200.0	3.2
90°-100°	88.0	1.4
100°-110°	78.8	1.3
110°-120°	66.6	1.1
120°-130°	51.9	0.8
130°-140°	35.9	0.6
140°-150°	21.5	0.3
150°-160°	10.5	0.2
160°-170°	3.6	0.1
170°-180°	0.5	0.0
0°-30°	1516.9	24.5
0°-40°	2485.9	40.2
0°-60°	4427.3	71.6
0°-90°	5827.6	94.2
90°-120°	233.3	3.8
90°-150°	342.7	5.5
90°-180°	357.0	5.8
0°-180°	6185.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1946	1946	1946	1946	1946	
5°	1954	1948	1928	1944	1938	186
15°	1876	1876	1866	1886	1883	529
25°	1725	1733	1735	1758	1755	794
35°	1512	1529	1549	1573	1578	945
45°	1253	1284	1316	1342	1350	968
55°	966	1006	1047	1081	1089	864
65°	665	702	751	786	798	655
75°	350	392	449	487	506	371
85°	85	131	188	229	243	94
90°	6	47	96	135	149	7
95°	1	40	88	123	136	1
105°	1	37	82	115	127	1
115°	1	32	74	104	115	1
125°	2	28	62	90	100	2
135°	2	22	50	71	80	2
145°	2	16	35	54	59	1
155°	2	11	23	34	40	1
165°	3	8	12	16	23	1
175°	3	4	6	6	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1946.3	1946.3	1946.3	1946.3	1946.3
2.5°	1960.5	1954.0	1932.1	1947.4	1939.7
5°	1954.0	1948.5	1927.7	1944.1	1937.5
7.5°	1941.9	1937.5	1918.9	1936.4	1929.9
10°	1925.5	1922.2	1905.8	1923.3	1918.9
12.5°	1904.7	1903.6	1887.2	1906.9	1903.6
15°	1876.2	1876.2	1866.3	1886.1	1882.8
17.5°	1845.5	1846.6	1839.0	1859.8	1857.6
20°	1808.3	1813.8	1808.3	1830.2	1828.0
22.5°	1767.8	1775.4	1773.2	1795.2	1796.3
25°	1725.1	1732.7	1734.9	1757.9	1754.6
27.5°	1678.0	1690.0	1694.4	1715.2	1714.1
30°	1623.2	1639.6	1649.5	1667.0	1672.5
32.5°	1567.3	1587.1	1599.1	1623.2	1629.8
35°	1511.5	1529.0	1548.7	1572.8	1578.3
37.5°	1450.1	1469.9	1496.1	1519.1	1525.7
40°	1388.8	1410.7	1435.9	1461.1	1471.0
42.5°	1325.3	1348.3	1375.7	1405.2	1415.1
45°	1253.0	1283.7	1316.5	1341.7	1350.5
47.5°	1184.0	1217.9	1253.0	1280.4	1290.2
50°	1113.9	1150.0	1187.3	1212.5	1227.8
52.5°	1040.5	1079.9	1117.2	1148.9	1158.8
55°	966.0	1005.5	1047.1	1081.0	1088.7
57.5°	893.7	932.1	973.7	1005.5	1020.8
60°	814.9	856.5	901.4	933.2	949.6
62.5°	738.2	778.7	826.9	860.9	874.0
65°	664.8	702.1	751.4	786.4	798.5
67.5°	583.8	626.5	673.6	714.1	729.5
70°	503.8	544.4	598.0	636.4	651.7
72.5°	429.3	468.8	522.4	560.8	575.0
75°	350.5	392.1	449.1	487.4	506.0
77.5°	274.9	320.9	375.7	417.3	438.1
80°	204.8	245.3	304.5	350.5	369.1
82.5°	139.1	182.9	244.2	287.0	307.8
85°	85.4	131.4	188.4	228.9	243.2
87.5°	40.5	84.3	136.9	176.3	193.9
90°	5.5	47.1	96.4	134.7	149.0
92.5°	1.1	40.5	88.7	124.9	138.0
95°	1.1	40.5	87.6	122.7	135.8
97.5°	1.1	39.4	86.5	121.6	133.6
100°	1.1	38.3	85.4	119.4	132.5
102.5°	1.1	38.3	83.2	117.2	129.2
105°	1.1	37.2	82.1	115.0	127.1
107.5°	1.1	36.1	80.0	112.8	124.9
110°	1.1	34.0	78.9	109.5	121.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	32.9	76.7	107.3	118.3
115°	1.1	31.8	74.5	104.1	115.0
117.5°	1.1	30.7	71.2	100.8	111.7
120°	2.2	30.7	69.0	97.5	107.3
122.5°	2.2	29.6	65.7	93.1	103.0
125°	2.2	28.5	62.4	89.8	99.7
127.5°	2.2	27.4	59.1	85.4	94.2
130°	2.2	25.2	57.0	81.1	89.8
132.5°	2.2	24.1	53.7	75.6	84.3
135°	2.2	21.9	50.4	71.2	80.0
137.5°	2.2	20.8	47.1	66.8	74.5
140°	2.2	19.7	42.7	62.4	70.1
142.5°	2.2	17.5	39.4	58.0	64.6
145°	2.2	16.4	35.0	53.7	59.1
147.5°	2.2	14.2	31.8	49.3	54.8
150°	2.2	13.1	28.5	44.9	50.4
152.5°	2.2	12.0	25.2	39.4	44.9
155°	2.2	11.0	23.0	34.0	40.5
157.5°	2.2	9.9	19.7	29.6	36.1
160°	3.3	8.8	17.5	25.2	30.7
162.5°	3.3	7.7	14.2	20.8	27.4
165°	3.3	7.7	12.0	16.4	23.0
167.5°	3.3	6.6	9.9	13.1	18.6
170°	3.3	5.5	8.8	9.9	14.2
172.5°	3.3	4.4	6.6	6.6	7.7
175°	3.3	4.4	5.5	5.5	3.3
177.5°	3.3	3.3	3.3	3.3	2.2
180°	3.3	3.3	3.3	3.3	3.3

(END OF REPORT)