

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: P566429

Luminaire Tested: **4SNX-45SL-FDL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566429
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: 4SNX-45SL-FDL-UNV-L950-CD
Description: 4FT 4500 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

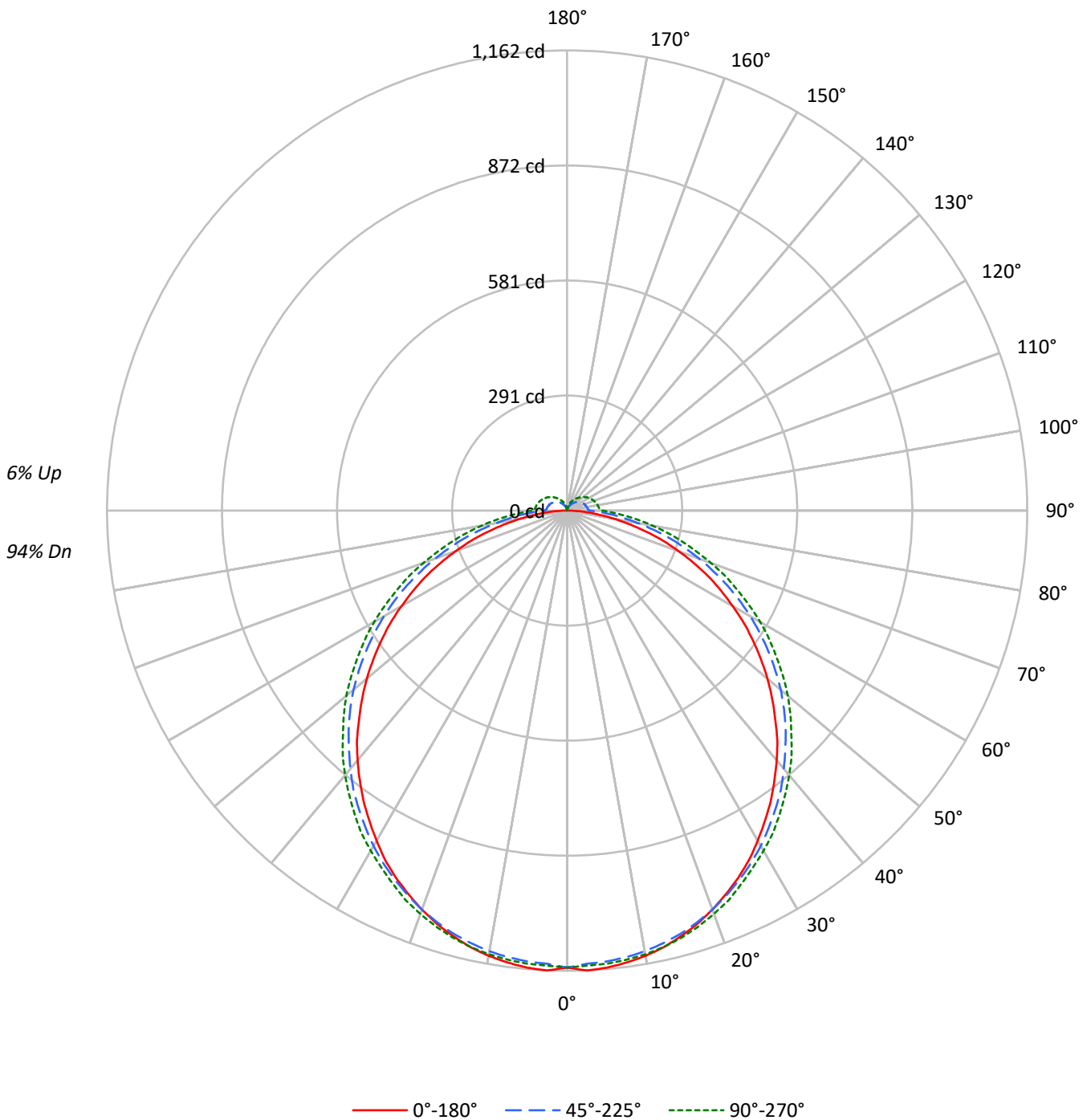
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3666.9 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: Direct

Input Watts (W): 29.8
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			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°	12420	12420	12420
5°	12506	12215	12233
10°	12455	12083	12080
15°	12362	11930	11908
20°	12234	11745	11705
25°	12089	11542	11464
30°	11890	11336	11243
35°	11690	11093	11010
40°	11470	10825	10751
45°	11192	10559	10447
50°	10923	10257	10169
55°	10590	9883	9785
60°	10216	9454	9405
65°	9821	8945	8883
70°	9139	8303	8341
75°	8319	7545	7692
80°	7105	6543	6972
85°	5595	5674	6130



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.4	3.0
10°-20°	314.0	8.6
20°-30°	475.9	13.0
30°-40°	574.5	15.7
40°-50°	599.9	16.4
50°-60°	551.1	15.0
60°-70°	435.8	11.9
70°-80°	275.8	7.5
80°-90°	118.6	3.2
90°-100°	52.2	1.4
100°-110°	46.7	1.3
110°-120°	39.4	1.1
120°-130°	30.7	0.8
130°-140°	21.3	0.6
140°-150°	12.8	0.3
150°-160°	6.2	0.2
160°-170°	2.2	0.1
170°-180°	0.3	0.0
0°-30°	899.4	24.5
0°-40°	1473.9	40.2
0°-60°	2624.9	71.6
0°-90°	3455.1	94.2
90°-120°	138.3	3.8
90°-150°	203.1	5.5
90°-180°	212.0	5.8
0°-180°	3666.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1154	1154	1154	1154	1154	
5°	1158	1155	1143	1153	1149	110
15°	1112	1112	1106	1118	1116	314
25°	1023	1027	1029	1042	1040	471
35°	896	906	918	932	936	560
45°	743	761	780	796	801	574
55°	573	596	621	641	646	512
65°	394	416	446	466	473	388
75°	208	232	266	289	300	220
85°	51	78	112	136	144	56
90°	3	28	57	80	88	4
95°	1	24	52	73	80	0
105°	1	22	49	68	75	1
115°	1	19	44	62	68	1
125°	1	17	37	53	59	1
135°	1	13	30	42	47	1
145°	1	10	21	32	35	1
155°	1	6	14	20	24	1
165°	2	4	7	10	14	1
175°	2	3	3	3	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1153.9	1153.9	1153.9	1153.9	1153.9
2.5°	1162.4	1158.5	1145.5	1154.6	1150.0
5°	1158.5	1155.2	1142.9	1152.6	1148.7
7.5°	1151.3	1148.7	1137.7	1148.1	1144.2
10°	1141.6	1139.6	1129.9	1140.3	1137.7
12.5°	1129.3	1128.6	1118.9	1130.6	1128.6
15°	1112.4	1112.4	1106.5	1118.2	1116.3
17.5°	1094.2	1094.8	1090.3	1102.6	1101.3
20°	1072.1	1075.4	1072.1	1085.1	1083.8
22.5°	1048.1	1052.6	1051.3	1064.3	1065.0
25°	1022.8	1027.3	1028.6	1042.2	1040.3
27.5°	994.8	1002.0	1004.6	1016.9	1016.3
30°	962.4	972.1	978.0	988.3	991.6
32.5°	929.3	940.9	948.1	962.4	966.3
35°	896.1	906.5	918.2	932.5	935.7
37.5°	859.8	871.5	887.0	900.7	904.6
40°	823.4	836.4	851.3	866.3	872.1
42.5°	785.7	799.4	815.6	833.1	839.0
45°	742.9	761.1	780.5	795.5	800.7
47.5°	702.0	722.1	742.9	759.1	765.0
50°	660.4	681.8	703.9	718.9	727.9
52.5°	616.9	640.3	662.4	681.2	687.0
55°	572.7	596.1	620.8	640.9	645.5
57.5°	529.9	552.6	577.3	596.1	605.2
60°	483.1	507.8	534.4	553.3	563.0
62.5°	437.7	461.7	490.3	510.4	518.2
65°	394.2	416.2	445.5	466.2	473.4
67.5°	346.1	371.4	399.4	423.4	432.5
70°	298.7	322.7	354.6	377.3	386.4
72.5°	254.6	277.9	309.8	332.5	340.9
75°	207.8	232.5	266.2	289.0	300.0
77.5°	163.0	190.3	222.7	247.4	259.7
80°	121.4	145.5	180.5	207.8	218.8
82.5°	82.5	108.4	144.8	170.1	182.5
85°	50.7	77.9	111.7	135.7	144.2
87.5°	24.0	50.0	81.2	104.5	114.9
90°	3.2	27.9	57.1	79.9	88.3
92.5°	0.6	24.0	52.6	74.0	81.8
95°	0.6	24.0	51.9	72.7	80.5
97.5°	0.6	23.4	51.3	72.1	79.2
100°	0.6	22.7	50.7	70.8	78.6
102.5°	0.6	22.7	49.4	69.5	76.6
105°	0.6	22.1	48.7	68.2	75.3
107.5°	0.6	21.4	47.4	66.9	74.0
110°	0.6	20.1	46.8	64.9	72.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	19.5	45.5	63.6	70.1
115°	0.6	18.8	44.2	61.7	68.2
117.5°	0.6	18.2	42.2	59.7	66.2
120°	1.3	18.2	40.9	57.8	63.6
122.5°	1.3	17.5	39.0	55.2	61.0
125°	1.3	16.9	37.0	53.2	59.1
127.5°	1.3	16.2	35.1	50.7	55.8
130°	1.3	14.9	33.8	48.1	53.2
132.5°	1.3	14.3	31.8	44.8	50.0
135°	1.3	13.0	29.9	42.2	47.4
137.5°	1.3	12.3	27.9	39.6	44.2
140°	1.3	11.7	25.3	37.0	41.6
142.5°	1.3	10.4	23.4	34.4	38.3
145°	1.3	9.7	20.8	31.8	35.1
147.5°	1.3	8.4	18.8	29.2	32.5
150°	1.3	7.8	16.9	26.6	29.9
152.5°	1.3	7.1	14.9	23.4	26.6
155°	1.3	6.5	13.6	20.1	24.0
157.5°	1.3	5.8	11.7	17.5	21.4
160°	1.9	5.2	10.4	14.9	18.2
162.5°	1.9	4.5	8.4	12.3	16.2
165°	1.9	4.5	7.1	9.7	13.6
167.5°	1.9	3.9	5.8	7.8	11.0
170°	1.9	3.2	5.2	5.8	8.4
172.5°	1.9	2.6	3.9	3.9	4.5
175°	1.9	2.6	3.2	3.2	1.9
177.5°	1.9	1.9	1.9	1.9	1.3
180°	1.9	1.9	1.9	1.9	1.9

(END OF REPORT)