

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: P566450

Luminaire Tested: **4SNX-45SL-LW-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566450
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: 4SNX-45SL-LW-UNV-L930-CD
Description: 4FT 4500 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

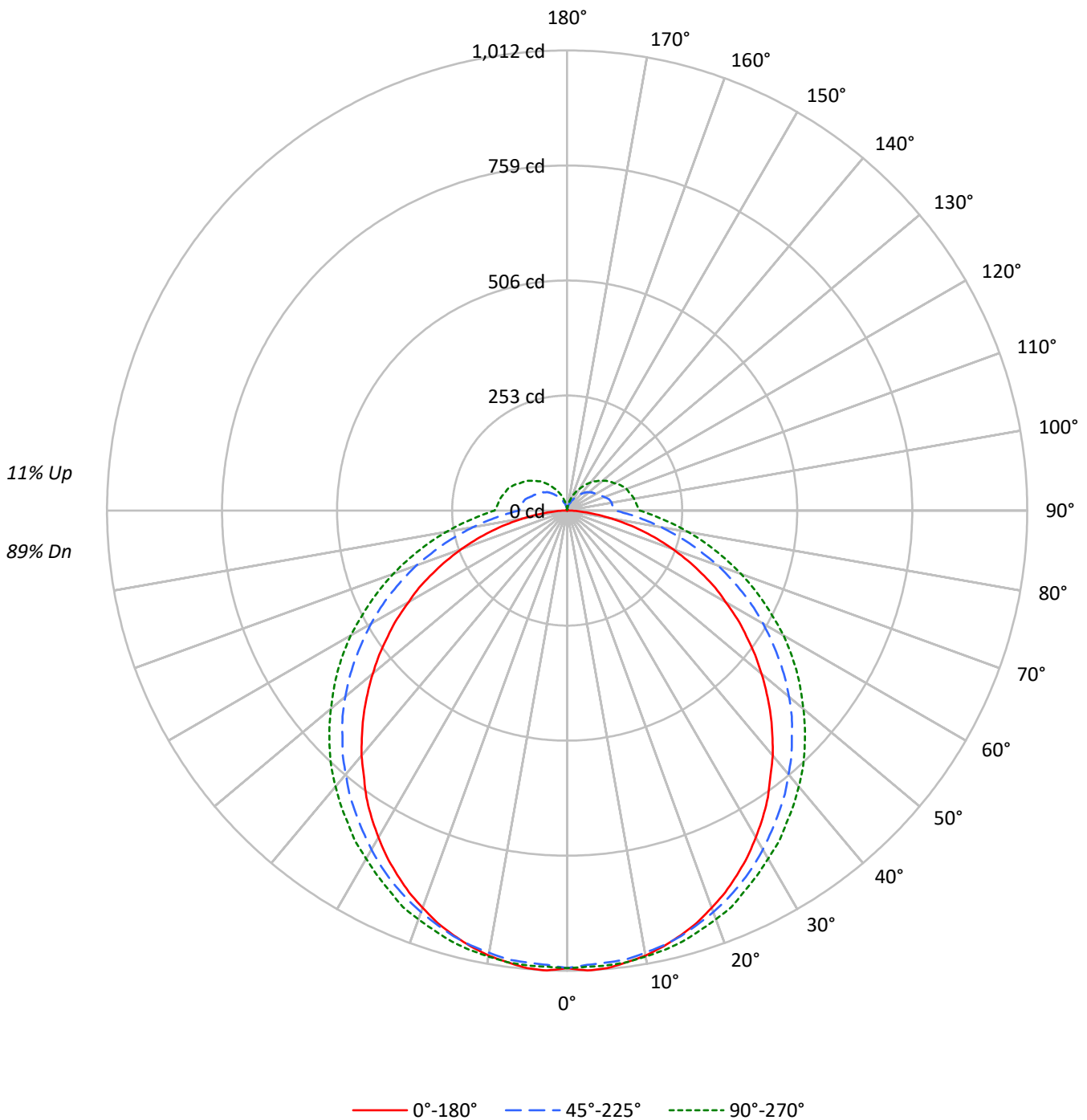
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3582.0 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-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

TEST NUMBER: P566450
CATALOG NUMBER: 4SNX-45SL-LW-UNV-L930-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566450

CATALOG NUMBER: 4SNX-45SL-LW-UNV-L930-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°	10831	10831	10831
5°	10877	10330	10251
10°	10782	9917	9739
15°	10655	9518	9278
20°	10487	9105	8816
25°	10297	8708	8364
30°	10071	8301	7932
35°	9827	7892	7527
40°	9548	7491	7141
45°	9247	7091	6746
50°	8904	6679	6331
55°	8525	6219	5924
60°	8082	5739	5493
65°	7615	5223	5002
70°	6972	4671	4519
75°	6122	4029	4007
80°	4783	3381	3497
85°	3120	2780	2973



TEST NUMBER: P566450

CATALOG NUMBER: 4SNX-45SL-LW-UNV-L930-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.6	2.7
10°-20°	274.7	7.7
20°-30°	417.7	11.7
30°-40°	507.0	14.2
40°-50°	535.8	15.0
50°-60°	501.4	14.0
60°-70°	411.4	11.5
70°-80°	283.0	7.9
80°-90°	154.9	4.3
90°-100°	99.8	2.8
100°-110°	89.5	2.5
110°-120°	74.1	2.1
120°-130°	57.1	1.6
130°-140°	40.1	1.1
140°-150°	24.2	0.7
150°-160°	11.6	0.3
160°-170°	3.8	0.1
170°-180°	0.5	0.0
0°-30°	788.0	22.0
0°-40°	1295.0	36.2
0°-60°	2332.1	65.1
0°-90°	3181.4	88.8
90°-120°	263.4	7.4
90°-150°	384.8	10.7
90°-180°	401.0	11.2
0°-180°	3582.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1006	1006	1006	1006	1006	
5°	1010	1008	998	1006	1004	96
15°	967	971	969	981	981	273
25°	884	894	904	923	923	407
35°	770	788	811	834	840	481
45°	633	662	699	730	739	488
55°	481	521	568	604	616	431
65°	326	369	425	465	477	323
75°	170	216	278	322	336	179
85°	37	89	151	193	208	43
90°	0	50	106	145	160	3
95°	0	48	102	139	154	0
105°	0	39	95	131	143	1
115°	2	35	81	116	131	2
125°	2	29	68	100	112	2
135°	2	23	56	81	91	2
145°	2	17	39	62	68	1
155°	2	10	25	39	46	1
165°	2	6	12	19	23	1
175°	2	2	4	4	2	0
180°	2	2	2	2	2	



TEST NUMBER: P566450

CATALOG NUMBER: 4SNX-45SL-LW-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1006.2	1006.2	1006.2	1006.2	1006.2
2.5°	1012.4	1010.3	1000.0	1008.3	1004.1
5°	1010.3	1008.3	997.9	1006.2	1004.1
7.5°	1002.0	1002.0	995.8	1004.1	1002.0
10°	993.7	993.7	987.5	997.9	995.8
12.5°	981.3	983.4	979.2	991.7	989.6
15°	966.8	970.9	968.8	981.3	981.3
17.5°	950.2	954.3	954.3	968.8	968.8
20°	929.4	935.7	939.8	956.4	956.4
22.5°	908.7	917.0	923.2	937.7	944.0
25°	883.8	894.2	904.5	923.2	923.2
27.5°	858.9	871.3	883.8	902.5	904.5
30°	829.8	844.4	861.0	879.6	883.8
32.5°	800.8	819.5	836.1	858.9	865.1
35°	769.7	788.4	811.2	834.0	840.2
37.5°	734.4	757.2	786.3	811.2	817.4
40°	703.3	728.2	757.2	786.3	792.5
42.5°	668.0	695.0	730.3	757.2	767.6
45°	632.8	661.8	699.1	730.3	738.6
47.5°	595.4	628.6	670.1	699.1	709.5
50°	558.1	593.3	636.9	670.1	678.4
52.5°	520.7	558.1	603.7	636.9	647.3
55°	481.3	520.7	568.4	603.7	616.2
57.5°	444.0	483.4	533.2	570.5	583.0
60°	402.5	448.1	497.9	535.3	549.8
62.5°	367.2	408.7	462.6	500.0	512.4
65°	325.7	369.3	425.3	464.7	477.2
67.5°	286.3	331.9	388.0	429.4	441.9
70°	246.9	292.5	352.7	392.1	406.6
72.5°	207.5	255.2	313.3	356.8	371.4
75°	170.1	215.8	278.0	321.6	336.1
77.5°	130.7	180.5	242.7	286.3	302.9
80°	95.4	147.3	209.5	253.1	269.7
82.5°	64.3	116.2	178.4	222.0	238.6
85°	37.3	89.2	151.4	192.9	207.5
87.5°	18.7	68.5	126.6	168.0	182.6
90°	0.0	49.8	105.8	145.2	159.7
92.5°	0.0	47.7	103.7	141.1	155.6
95°	0.0	47.7	101.7	139.0	153.5
97.5°	0.0	45.6	99.6	139.0	151.4
100°	0.0	43.6	99.6	136.9	149.4
102.5°	0.0	41.5	97.5	134.9	147.3
105°	0.0	39.4	95.4	130.7	143.1
107.5°	2.1	39.4	91.3	128.6	141.1
110°	2.1	37.3	87.1	126.6	139.0



TEST NUMBER: P566450

CATALOG NUMBER: 4SNX-45SL-LW-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.1	35.3	83.0	122.4	134.9
115°	2.1	35.3	80.9	116.2	130.7
117.5°	2.1	33.2	76.8	112.0	126.6
120°	2.1	33.2	74.7	107.9	120.3
122.5°	2.1	31.1	70.5	103.7	116.2
125°	2.1	29.0	68.5	99.6	112.0
127.5°	2.1	27.0	66.4	95.4	107.9
130°	2.1	24.9	62.2	91.3	101.7
132.5°	2.1	24.9	60.2	85.1	97.5
135°	2.1	22.8	56.0	80.9	91.3
137.5°	2.1	20.7	51.9	76.8	87.1
140°	2.1	18.7	47.7	72.6	80.9
142.5°	2.1	18.7	43.6	66.4	74.7
145°	2.1	16.6	39.4	62.2	68.5
147.5°	2.1	14.5	35.3	56.0	62.2
150°	2.1	14.5	31.1	49.8	56.0
152.5°	2.1	12.4	27.0	45.6	51.9
155°	2.1	10.4	24.9	39.4	45.6
157.5°	2.1	10.4	20.7	33.2	39.4
160°	2.1	8.3	18.7	27.0	33.2
162.5°	2.1	8.3	16.6	22.8	29.0
165°	2.1	6.2	12.4	18.7	22.8
167.5°	2.1	6.2	10.4	14.5	18.7
170°	2.1	4.1	8.3	10.4	14.5
172.5°	2.1	4.1	6.2	6.2	6.2
175°	2.1	2.1	4.1	4.1	2.1
177.5°	2.1	2.1	2.1	2.1	2.1
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)