

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: P566459

Luminaire Tested: **4SNX-45SL-SLW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566459
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-SLW-UNV-L935-CD
Description: 4FT 4500 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

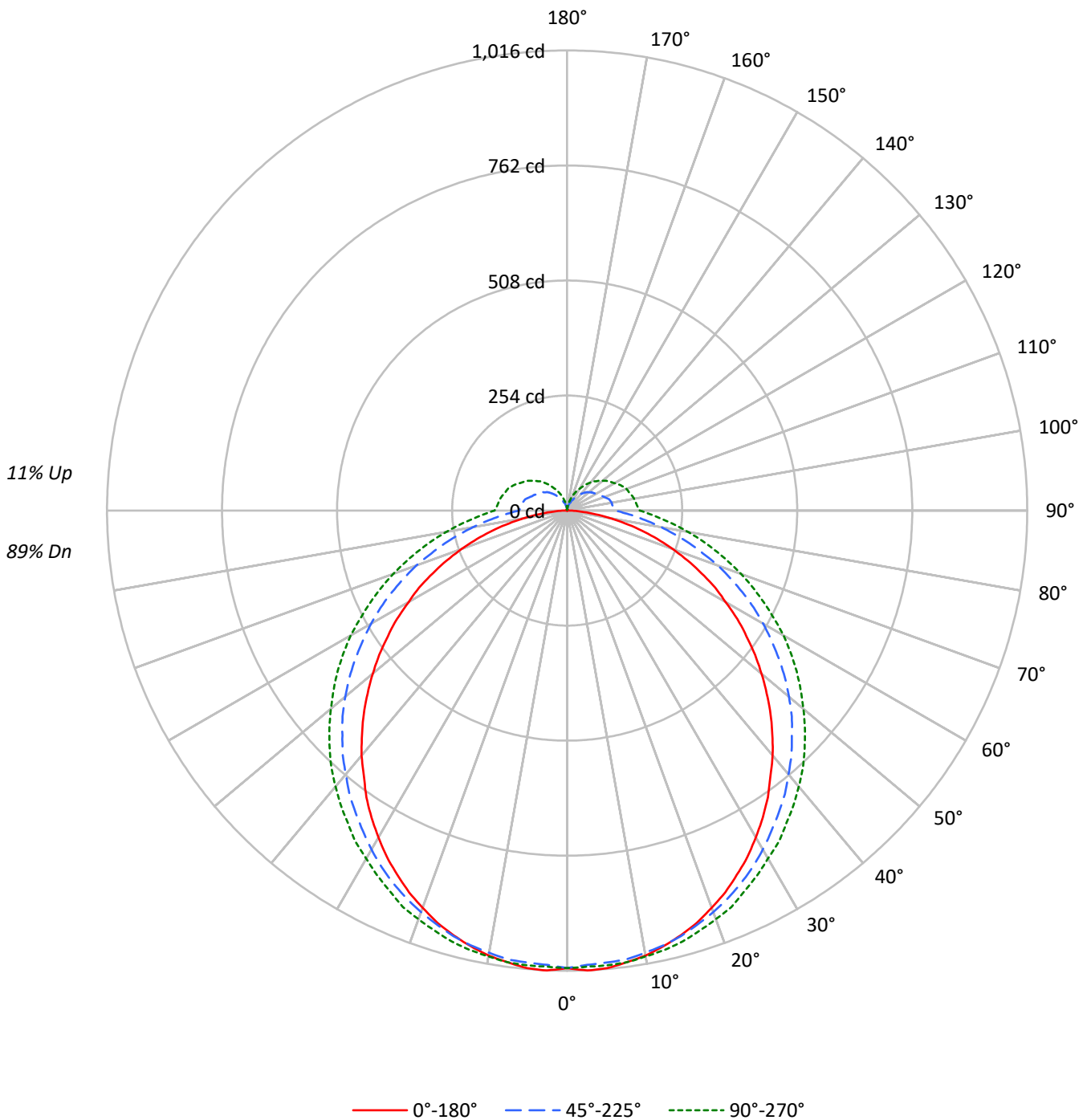
Lumens per Lamp: N/A
Luminaire Lumens: 3596.0 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 29.8
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

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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	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°	10873	10873	10873
5°	10940	10593	10584
10°	10864	10379	10322
15°	10756	10159	10081
20°	10608	9908	9812
25°	10436	9661	9532
30°	10232	9390	9253
35°	10008	9109	8993
40°	9750	8833	8743
45°	9473	8552	8474
50°	9156	8254	8172
55°	8807	7897	7875
60°	8396	7515	7543
65°	7974	7085	7126
70°	7378	6612	6718
75°	6593	6011	6267
80°	5313	5401	5823
85°	3743	4875	5365



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.9	2.7
10°-20°	275.8	7.7
20°-30°	419.3	11.7
30°-40°	509.0	14.2
40°-50°	537.9	15.0
50°-60°	503.3	14.0
60°-70°	413.0	11.5
70°-80°	284.1	7.9
80°-90°	155.6	4.3
90°-100°	100.2	2.8
100°-110°	89.9	2.5
110°-120°	74.4	2.1
120°-130°	57.3	1.6
130°-140°	40.3	1.1
140°-150°	24.3	0.7
150°-160°	11.6	0.3
160°-170°	3.8	0.1
170°-180°	0.5	0.0
0°-30°	791.0	22.0
0°-40°	1300.1	36.2
0°-60°	2341.3	65.1
0°-90°	3193.9	88.8
90°-120°	264.5	7.4
90°-150°	386.3	10.7
90°-180°	402.0	11.2
0°-180°	3596.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1010	1010	1010	1010	1010	
5°	1014	1012	1002	1010	1008	96
15°	971	975	973	985	985	274
25°	887	898	908	927	927	409
35°	773	791	814	837	844	483
45°	635	664	702	733	742	490
55°	483	523	571	606	619	432
65°	327	371	427	466	479	324
75°	171	217	279	323	337	180
85°	38	90	152	194	208	43
90°	0	50	106	146	160	3
95°	0	48	102	140	154	0
105°	0	40	96	131	144	1
115°	2	35	81	117	131	2
125°	2	29	69	100	112	2
135°	2	23	56	81	92	2
145°	2	17	40	62	69	1
155°	2	10	25	40	46	1
165°	2	6	12	19	23	1
175°	2	2	4	4	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1010.1	1010.1	1010.1	1010.1	1010.1
2.5°	1016.4	1014.3	1003.9	1012.2	1008.0
5°	1014.3	1012.2	1001.8	1010.1	1008.0
7.5°	1006.0	1006.0	999.7	1008.0	1006.0
10°	997.6	997.6	991.4	1001.8	999.7
12.5°	985.1	987.2	983.0	995.5	993.5
15°	970.6	974.7	972.6	985.1	985.1
17.5°	953.9	958.1	958.1	972.6	972.6
20°	933.1	939.3	943.5	960.1	960.1
22.5°	912.2	920.6	926.8	941.4	947.6
25°	887.2	897.7	908.1	926.8	926.8
27.5°	862.3	874.7	887.2	906.0	908.1
30°	833.1	847.7	864.3	883.1	887.2
32.5°	803.9	822.7	839.3	862.3	868.5
35°	772.7	791.4	814.3	837.3	843.5
37.5°	737.3	760.2	789.4	814.3	820.6
40°	706.0	731.0	760.2	789.4	795.6
42.5°	670.6	697.7	733.1	760.2	770.6
45°	635.2	664.4	701.9	733.1	741.5
47.5°	597.7	631.1	672.7	701.9	712.3
50°	560.3	595.7	639.4	672.7	681.1
52.5°	522.8	560.3	606.1	639.4	649.8
55°	483.2	522.8	570.7	606.1	618.6
57.5°	445.7	485.3	535.3	572.8	585.2
60°	404.0	449.9	499.9	537.3	551.9
62.5°	368.6	410.3	464.4	501.9	514.4
65°	327.0	370.7	427.0	466.5	479.0
67.5°	287.4	333.2	389.5	431.1	443.6
70°	247.8	293.7	354.1	393.6	408.2
72.5°	208.3	256.2	314.5	358.2	372.8
75°	170.8	216.6	279.1	322.8	337.4
77.5°	131.2	181.2	243.7	287.4	304.1
80°	95.8	147.9	210.4	254.1	270.8
82.5°	64.6	116.6	179.1	222.9	239.5
85°	37.5	89.6	152.0	193.7	208.3
87.5°	18.7	68.7	127.0	168.7	183.3
90°	0.0	50.0	106.2	145.8	160.4
92.5°	0.0	47.9	104.1	141.6	156.2
95°	0.0	47.9	102.1	139.5	154.1
97.5°	0.0	45.8	100.0	139.5	152.0
100°	0.0	43.7	100.0	137.5	150.0
102.5°	0.0	41.7	97.9	135.4	147.9
105°	0.0	39.6	95.8	131.2	143.7
107.5°	2.1	39.6	91.6	129.1	141.6
110°	2.1	37.5	87.5	127.0	139.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.1	35.4	83.3	122.9	135.4
115°	2.1	35.4	81.2	116.6	131.2
117.5°	2.1	33.3	77.1	112.5	127.0
120°	2.1	33.3	75.0	108.3	120.8
122.5°	2.1	31.2	70.8	104.1	116.6
125°	2.1	29.2	68.7	100.0	112.5
127.5°	2.1	27.1	66.6	95.8	108.3
130°	2.1	25.0	62.5	91.6	102.1
132.5°	2.1	25.0	60.4	85.4	97.9
135°	2.1	22.9	56.2	81.2	91.6
137.5°	2.1	20.8	52.1	77.1	87.5
140°	2.1	18.7	47.9	72.9	81.2
142.5°	2.1	18.7	43.7	66.6	75.0
145°	2.1	16.7	39.6	62.5	68.7
147.5°	2.1	14.6	35.4	56.2	62.5
150°	2.1	14.6	31.2	50.0	56.2
152.5°	2.1	12.5	27.1	45.8	52.1
155°	2.1	10.4	25.0	39.6	45.8
157.5°	2.1	10.4	20.8	33.3	39.6
160°	2.1	8.3	18.7	27.1	33.3
162.5°	2.1	8.3	16.7	22.9	29.2
165°	2.1	6.2	12.5	18.7	22.9
167.5°	2.1	6.2	10.4	14.6	18.7
170°	2.1	4.2	8.3	10.4	14.6
172.5°	2.1	4.2	6.2	6.2	6.2
175°	2.1	2.1	4.2	4.2	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)