

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: P567807

Luminaire Tested: **8SNX-44SL-LW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567807
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-44SL-LW-UNV-L935-CD
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

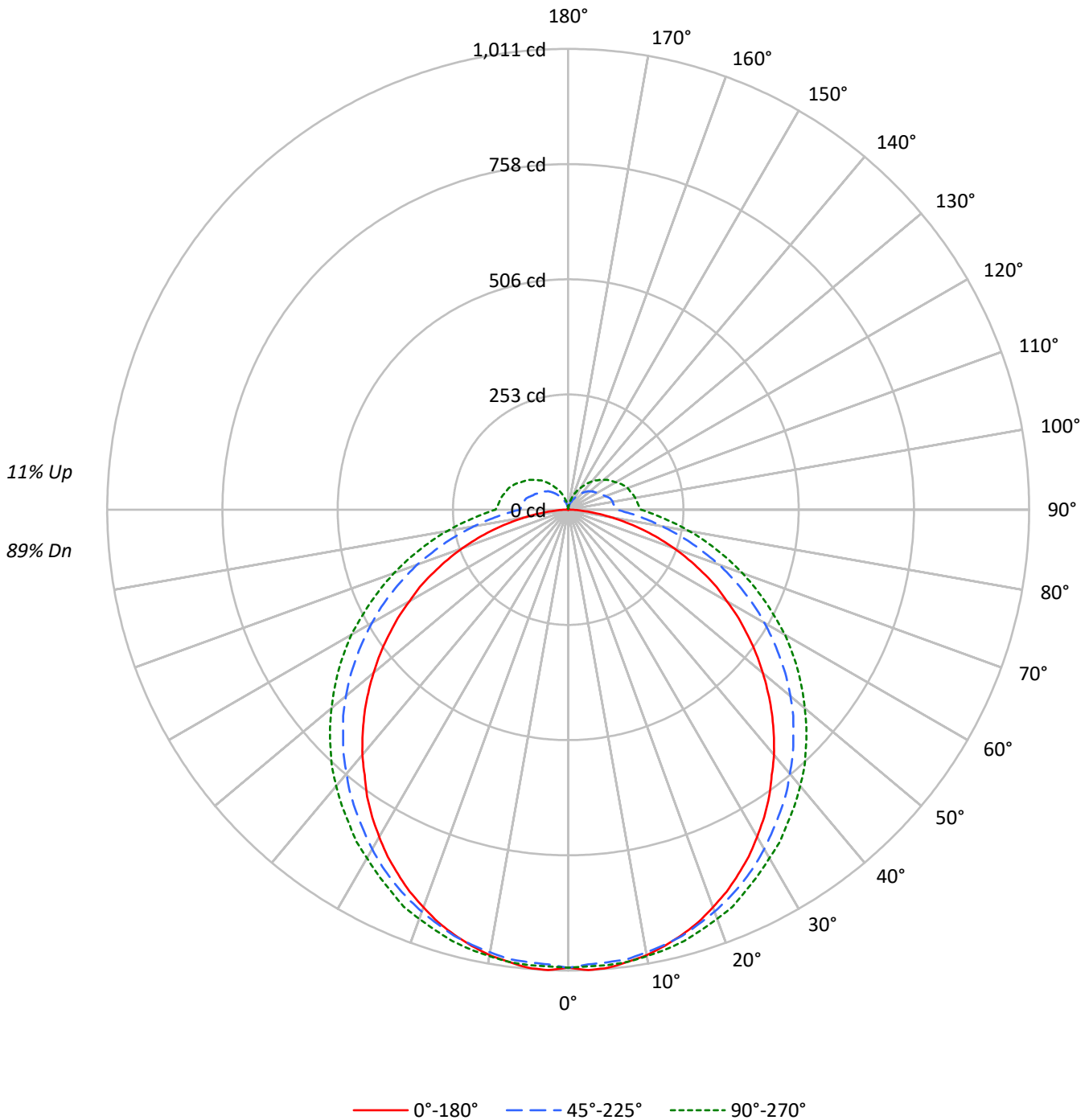
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3577.0 lumens
Efficiency: N/A
Efficacy: 129.6 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): 27.6
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	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°	5408	5408	5408
5°	5441	5164	5119
10°	5404	4964	4863
15°	5349	4769	4632
20°	5276	4567	4402
25°	5191	4373	4176
30°	5089	4172	3961
35°	4977	3970	3758
40°	4849	3773	3566
45°	4711	3576	3368
50°	4553	3372	3161
55°	4379	3144	2958
60°	4175	2905	2743
65°	3965	2648	2497
70°	3669	2373	2257
75°	3278	2051	2001
80°	2642	1726	1746
85°	1860	1424	1484



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.4	2.7
10°-20°	274.3	7.7
20°-30°	417.1	11.7
30°-40°	506.3	14.2
40°-50°	535.0	15.0
50°-60°	500.7	14.0
60°-70°	410.8	11.5
70°-80°	282.5	7.9
80°-90°	154.7	4.3
90°-100°	99.6	2.8
100°-110°	89.4	2.5
110°-120°	74.0	2.1
120°-130°	57.0	1.6
130°-140°	40.1	1.1
140°-150°	24.1	0.7
150°-160°	11.6	0.3
160°-170°	3.8	0.1
170°-180°	0.5	0.0
0°-30°	786.9	22.0
0°-40°	1293.2	36.2
0°-60°	2328.9	65.1
0°-90°	3177.0	88.8
90°-120°	263.1	7.4
90°-150°	384.2	10.7
90°-180°	400.0	11.2
0°-180°	3577.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1005	1005	1005	1005	1005	
5°	1009	1007	996	1005	1003	96
15°	965	970	968	980	980	272
25°	883	893	903	922	922	407
35°	769	787	810	833	839	480
45°	632	661	698	729	738	487
55°	481	520	568	603	615	430
65°	325	369	425	464	476	322
75°	170	216	278	321	336	179
85°	37	89	151	193	207	43
90°	0	50	106	145	160	3
95°	0	48	102	139	153	0
105°	0	39	95	130	143	1
115°	2	35	81	116	130	2
125°	2	29	68	99	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1004.8	1004.8	1004.8	1004.8	1004.8
2.5°	1011.0	1008.9	998.6	1006.9	1002.7
5°	1008.9	1006.9	996.5	1004.8	1002.7
7.5°	1000.6	1000.6	994.4	1002.7	1000.6
10°	992.4	992.4	986.1	996.5	994.4
12.5°	979.9	982.0	977.9	990.3	988.2
15°	965.4	969.6	967.5	979.9	979.9
17.5°	948.9	953.0	953.0	967.5	967.5
20°	928.1	934.3	938.5	955.1	955.1
22.5°	907.4	915.7	921.9	936.4	942.6
25°	882.6	892.9	903.3	921.9	921.9
27.5°	857.7	870.1	882.6	901.2	903.3
30°	828.7	843.2	859.8	878.4	882.6
32.5°	799.7	818.3	834.9	857.7	863.9
35°	768.6	787.3	810.0	832.8	839.0
37.5°	733.4	756.2	785.2	810.0	816.3
40°	702.3	727.2	756.2	785.2	791.4
42.5°	667.1	694.0	729.2	756.2	766.5
45°	631.9	660.9	698.2	729.2	737.5
47.5°	594.6	627.7	669.2	698.2	708.5
50°	557.3	592.5	636.0	669.2	677.5
52.5°	520.0	557.3	602.9	636.0	646.4
55°	480.6	520.0	567.7	602.9	615.3
57.5°	443.3	482.7	532.4	569.7	582.2
60°	401.9	447.5	497.2	534.5	549.0
62.5°	366.7	408.1	462.0	499.3	511.7
65°	325.3	368.8	424.7	464.1	476.5
67.5°	285.9	331.5	387.4	428.8	441.3
70°	246.5	292.1	352.2	391.6	406.1
72.5°	207.2	254.8	312.8	356.3	370.8
75°	169.9	215.5	277.6	321.1	335.6
77.5°	130.5	180.2	242.4	285.9	302.5
80°	95.3	147.1	209.2	252.8	269.3
82.5°	64.2	116.0	178.2	221.7	238.2
85°	37.3	89.1	151.2	192.7	207.2
87.5°	18.6	68.4	126.4	167.8	182.3
90°	0.0	49.7	105.7	145.0	159.5
92.5°	0.0	47.6	103.6	140.9	155.4
95°	0.0	47.6	101.5	138.8	153.3
97.5°	0.0	45.6	99.4	138.8	151.2
100°	0.0	43.5	99.4	136.7	149.2
102.5°	0.0	41.4	97.4	134.7	147.1
105°	0.0	39.4	95.3	130.5	142.9
107.5°	2.1	39.4	91.2	128.4	140.9
110°	2.1	37.3	87.0	126.4	138.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.1	35.2	82.9	122.2	134.7
115°	2.1	35.2	80.8	116.0	130.5
117.5°	2.1	33.1	76.7	111.9	126.4
120°	2.1	33.1	74.6	107.7	120.2
122.5°	2.1	31.1	70.4	103.6	116.0
125°	2.1	29.0	68.4	99.4	111.9
127.5°	2.1	26.9	66.3	95.3	107.7
130°	2.1	24.9	62.2	91.2	101.5
132.5°	2.1	24.9	60.1	84.9	97.4
135°	2.1	22.8	55.9	80.8	91.2
137.5°	2.1	20.7	51.8	76.7	87.0
140°	2.1	18.6	47.6	72.5	80.8
142.5°	2.1	18.6	43.5	66.3	74.6
145°	2.1	16.6	39.4	62.2	68.4
147.5°	2.1	14.5	35.2	55.9	62.2
150°	2.1	14.5	31.1	49.7	55.9
152.5°	2.1	12.4	26.9	45.6	51.8
155°	2.1	10.4	24.9	39.4	45.6
157.5°	2.1	10.4	20.7	33.1	39.4
160°	2.1	8.3	18.6	26.9	33.1
162.5°	2.1	8.3	16.6	22.8	29.0
165°	2.1	6.2	12.4	18.6	22.8
167.5°	2.1	6.2	10.4	14.5	18.6
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)