

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: P567803

Luminaire Tested: **8SNX-44SL-LW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567803
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-L835-CD
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

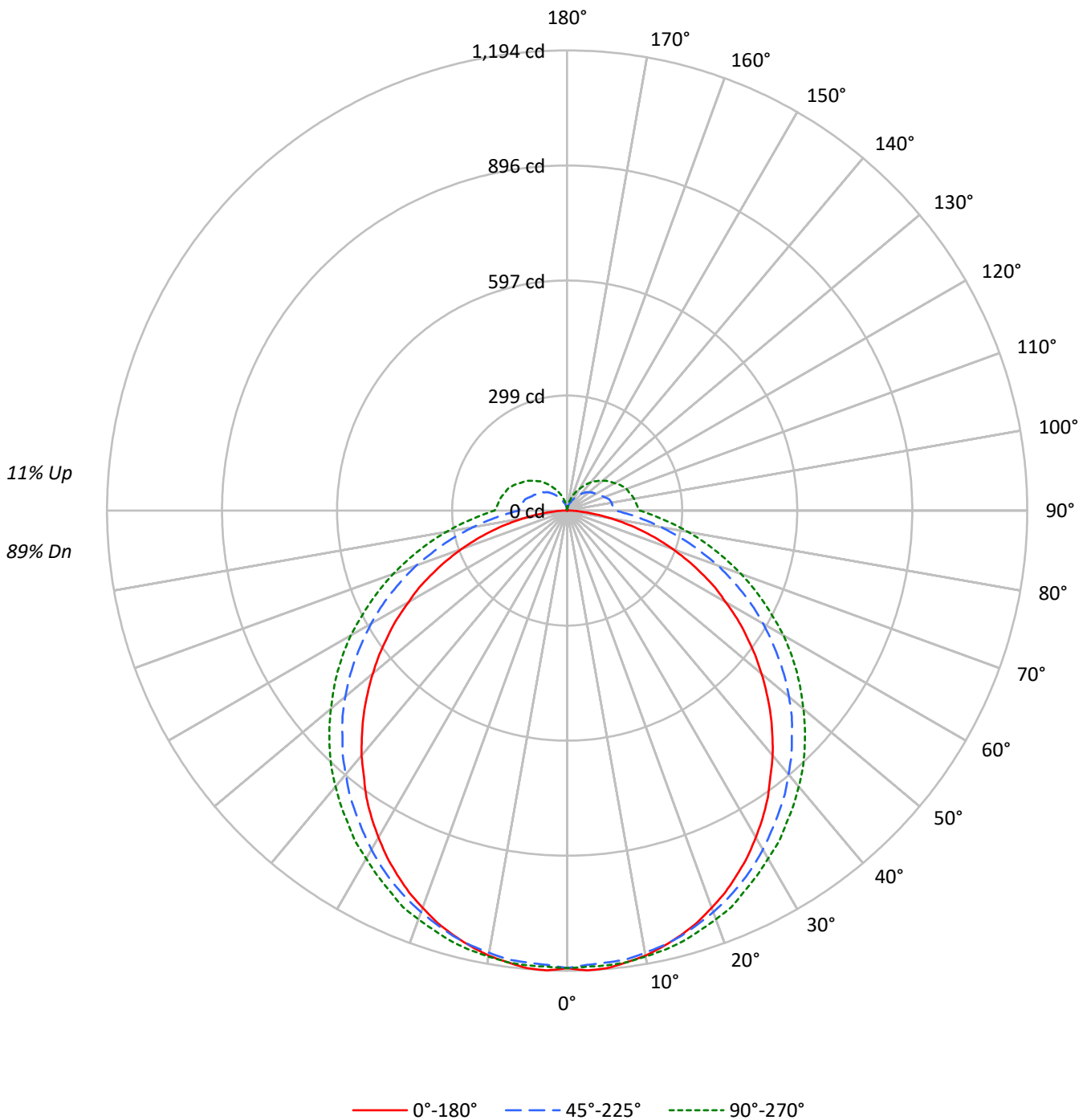
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4226.0 lumens
Efficiency: N/A
Efficacy: 153.1 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 (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°	6389	6389	6389
5°	6428	6101	6047
10°	6384	5865	5745
15°	6320	5635	5473
20°	6233	5396	5201
25°	6132	5166	4934
30°	6012	4929	4679
35°	5881	4691	4440
40°	5729	4458	4212
45°	5566	4224	3979
50°	5379	3983	3734
55°	5174	3714	3494
60°	4933	3432	3240
65°	4685	3129	2951
70°	4336	2803	2666
75°	3872	2424	2364
80°	3121	2039	2063
85°	2199	1683	1754



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.8	2.7
10°-20°	324.1	7.7
20°-30°	492.8	11.7
30°-40°	598.2	14.2
40°-50°	632.1	15.0
50°-60°	591.5	14.0
60°-70°	485.3	11.5
70°-80°	333.8	7.9
80°-90°	182.8	4.3
90°-100°	117.7	2.8
100°-110°	105.6	2.5
110°-120°	87.4	2.1
120°-130°	67.3	1.6
130°-140°	47.3	1.1
140°-150°	28.5	0.7
150°-160°	13.6	0.3
160°-170°	4.5	0.1
170°-180°	0.5	0.0
0°-30°	929.6	22.0
0°-40°	1527.8	36.2
0°-60°	2751.4	65.1
0°-90°	3753.4	88.8
90°-120°	310.8	7.4
90°-150°	453.9	10.7
90°-180°	473.0	11.2
0°-180°	4226.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1187	1187	1187	1187	1187	
5°	1192	1190	1177	1187	1185	113
15°	1141	1146	1143	1158	1158	322
25°	1043	1055	1067	1089	1089	480
35°	908	930	957	984	991	567
45°	746	781	825	862	871	575
55°	568	614	671	712	727	508
65°	384	436	502	548	563	381
75°	201	255	328	379	396	211
85°	44	105	179	228	245	51
90°	0	59	125	171	188	3
95°	0	56	120	164	181	0
105°	0	46	113	154	169	2
115°	2	42	96	137	154	2
125°	2	34	81	118	132	2
135°	2	27	66	96	108	2
145°	2	20	46	73	81	2
155°	2	12	29	46	54	1
165°	2	7	15	22	27	1
175°	2	2	5	5	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1187.1	1187.1	1187.1	1187.1	1187.1
2.5°	1194.4	1192.0	1179.8	1189.5	1184.6
5°	1192.0	1189.5	1177.3	1187.1	1184.6
7.5°	1182.2	1182.2	1174.9	1184.6	1182.2
10°	1172.4	1172.4	1165.1	1177.3	1174.9
12.5°	1157.7	1160.2	1155.3	1170.0	1167.5
15°	1140.6	1145.5	1143.0	1157.7	1157.7
17.5°	1121.0	1125.9	1125.9	1143.0	1143.0
20°	1096.5	1103.9	1108.8	1128.4	1128.4
22.5°	1072.1	1081.8	1089.2	1106.3	1113.7
25°	1042.7	1054.9	1067.2	1089.2	1089.2
27.5°	1013.3	1028.0	1042.7	1064.7	1067.2
30°	979.0	996.2	1015.8	1037.8	1042.7
32.5°	944.8	966.8	986.4	1013.3	1020.7
35°	908.1	930.1	957.0	983.9	991.3
37.5°	866.5	893.4	927.6	957.0	964.4
40°	829.7	859.1	893.4	927.6	935.0
42.5°	788.1	820.0	861.6	893.4	905.6
45°	746.5	780.8	824.8	861.6	871.4
47.5°	702.5	741.6	790.6	824.8	837.1
50°	658.4	700.0	751.4	790.6	800.4
52.5°	614.4	658.4	712.3	751.4	763.7
55°	567.8	614.4	670.6	712.3	726.9
57.5°	523.8	570.3	629.0	673.1	687.8
60°	474.8	528.7	587.4	631.5	648.6
62.5°	433.2	482.2	545.8	589.9	604.6
65°	384.3	435.7	501.8	548.3	563.0
67.5°	337.8	391.6	457.7	506.7	521.3
70°	291.3	345.1	416.1	462.6	479.7
72.5°	244.8	301.1	369.6	421.0	438.1
75°	200.7	254.6	328.0	379.4	396.5
77.5°	154.2	212.9	286.4	337.8	357.4
80°	112.6	173.8	247.2	298.6	318.2
82.5°	75.9	137.1	210.5	261.9	281.5
85°	44.1	105.2	178.7	227.6	244.8
87.5°	22.0	80.8	149.3	198.3	215.4
90°	0.0	58.7	124.8	171.3	188.5
92.5°	0.0	56.3	122.4	166.4	183.6
95°	0.0	56.3	119.9	164.0	181.1
97.5°	0.0	53.8	117.5	164.0	178.7
100°	0.0	51.4	117.5	161.5	176.2
102.5°	0.0	49.0	115.0	159.1	173.8
105°	0.0	46.5	112.6	154.2	168.9
107.5°	2.4	46.5	107.7	151.8	166.4
110°	2.4	44.1	102.8	149.3	164.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.4	41.6	97.9	144.4	159.1
115°	2.4	41.6	95.5	137.1	154.2
117.5°	2.4	39.2	90.6	132.2	149.3
120°	2.4	39.2	88.1	127.3	142.0
122.5°	2.4	36.7	83.2	122.4	137.1
125°	2.4	34.3	80.8	117.5	132.2
127.5°	2.4	31.8	78.3	112.6	127.3
130°	2.4	29.4	73.4	107.7	119.9
132.5°	2.4	29.4	71.0	100.4	115.0
135°	2.4	26.9	66.1	95.5	107.7
137.5°	2.4	24.5	61.2	90.6	102.8
140°	2.4	22.0	56.3	85.7	95.5
142.5°	2.4	22.0	51.4	78.3	88.1
145°	2.4	19.6	46.5	73.4	80.8
147.5°	2.4	17.1	41.6	66.1	73.4
150°	2.4	17.1	36.7	58.7	66.1
152.5°	2.4	14.7	31.8	53.8	61.2
155°	2.4	12.2	29.4	46.5	53.8
157.5°	2.4	12.2	24.5	39.2	46.5
160°	2.4	9.8	22.0	31.8	39.2
162.5°	2.4	9.8	19.6	26.9	34.3
165°	2.4	7.3	14.7	22.0	26.9
167.5°	2.4	7.3	12.2	17.1	22.0
170°	2.4	4.9	9.8	12.2	17.1
172.5°	2.4	4.9	7.3	7.3	7.3
175°	2.4	2.4	4.9	4.9	2.4
177.5°	2.4	2.4	2.4	2.4	2.4
180°	2.4	2.4	2.4	2.4	2.4

(END OF REPORT)