

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: P567275

Luminaire Tested: **8SNX-120SL-LW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567275
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-120SL-LW-UNV-L835-CD
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

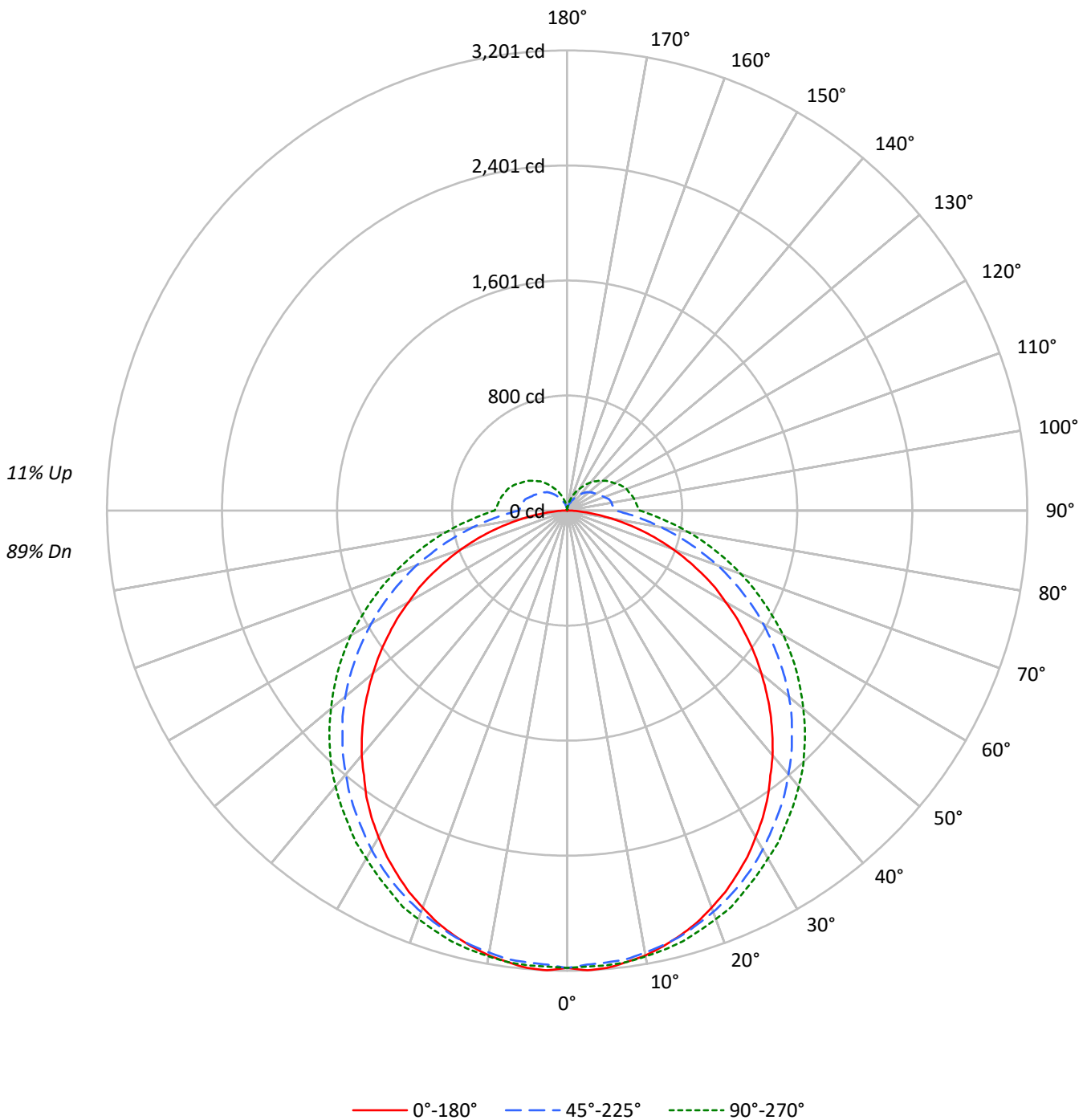
Lumens per Lamp: N/A
Luminaire Lumens: 11325.0 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 84
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°	17121	17121	17121
5°	17226	16350	16206
10°	17108	15716	15396
15°	16936	15101	14667
20°	16703	14459	13937
25°	16433	13844	13223
30°	16111	13209	12539
35°	15759	12571	11899
40°	15354	11947	11289
45°	14916	11321	10664
50°	14415	10675	10008
55°	13866	9953	9364
60°	13220	9199	8683
65°	12553	8383	7907
70°	11617	7513	7144
75°	10378	6494	6335
80°	8363	5465	5528
85°	5890	4509	4699



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.2	2.7
10°-20°	868.5	7.7
20°-30°	1320.6	11.7
30°-40°	1603.1	14.2
40°-50°	1694.0	15.0
50°-60°	1585.1	14.0
60°-70°	1300.6	11.5
70°-80°	894.6	7.9
80°-90°	489.9	4.3
90°-100°	315.5	2.8
100°-110°	283.1	2.5
110°-120°	234.3	2.1
120°-130°	180.4	1.6
130°-140°	126.8	1.1
140°-150°	76.4	0.7
150°-160°	36.6	0.3
160°-170°	12.0	0.1
170°-180°	1.4	0.0
0°-30°	2491.3	22.0
0°-40°	4094.3	36.2
0°-60°	7373.4	65.1
0°-90°	10058.5	88.8
90°-120°	832.9	7.4
90°-150°	1216.5	10.7
90°-180°	1266.0	11.2
0°-180°	11325.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3181	3181	3181	3181	3181	
5°	3194	3188	3155	3181	3175	303
15°	3057	3070	3063	3102	3102	862
25°	2794	2827	2860	2919	2919	1288
35°	2434	2492	2565	2637	2656	1520
45°	2001	2092	2210	2309	2335	1542
55°	1522	1646	1797	1909	1948	1362
65°	1030	1168	1345	1469	1509	1020
75°	538	682	879	1017	1063	566
85°	118	282	479	610	656	136
90°	0	157	334	459	505	8
95°	0	151	321	440	485	0
105°	0	125	302	413	453	4
115°	7	112	256	367	413	7
125°	7	92	216	315	354	6
135°	7	72	177	256	289	5
145°	7	52	125	197	216	4
155°	7	33	79	125	144	3
165°	7	20	39	59	72	2
175°	7	7	13	13	7	1
180°	7	7	7	7	7	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3181.2	3181.2	3181.2	3181.2	3181.2
2.5°	3200.9	3194.3	3161.5	3187.8	3174.7
5°	3194.3	3187.8	3155.0	3181.2	3174.7
7.5°	3168.1	3168.1	3148.4	3174.7	3168.1
10°	3141.9	3141.9	3122.2	3155.0	3148.4
12.5°	3102.5	3109.1	3095.9	3135.3	3128.7
15°	3056.6	3069.7	3063.2	3102.5	3102.5
17.5°	3004.1	3017.2	3017.2	3063.2	3063.2
20°	2938.5	2958.2	2971.3	3023.8	3023.8
22.5°	2872.9	2899.2	2918.9	2964.8	2984.4
25°	2794.2	2827.0	2859.8	2918.9	2918.9
27.5°	2715.5	2754.9	2794.2	2853.3	2859.8
30°	2623.7	2669.6	2722.1	2781.1	2794.2
32.5°	2531.9	2590.9	2643.4	2715.5	2735.2
35°	2433.5	2492.5	2564.7	2636.8	2656.5
37.5°	2322.0	2394.1	2485.9	2564.7	2584.3
40°	2223.6	2302.3	2394.1	2485.9	2505.6
42.5°	2112.1	2197.3	2308.8	2394.1	2426.9
45°	2000.6	2092.4	2210.5	2308.8	2335.1
47.5°	1882.5	1987.4	2118.6	2210.5	2243.3
50°	1764.4	1875.9	2013.7	2118.6	2144.9
52.5°	1646.4	1764.4	1908.7	2013.7	2046.5
55°	1521.7	1646.4	1797.2	1908.7	1948.1
57.5°	1403.7	1528.3	1685.7	1803.8	1843.1
60°	1272.5	1416.8	1574.2	1692.3	1738.2
62.5°	1161.0	1292.2	1462.7	1580.8	1620.1
65°	1029.8	1167.5	1344.6	1469.3	1508.6
67.5°	905.2	1049.5	1226.6	1357.8	1397.1
70°	780.5	924.8	1115.1	1239.7	1285.6
72.5°	655.9	806.8	990.4	1128.2	1174.1
75°	537.9	682.2	878.9	1016.7	1062.6
77.5°	413.2	570.7	767.4	905.2	957.6
80°	301.7	465.7	662.5	800.2	852.7
82.5°	203.3	367.3	564.1	701.8	754.3
85°	118.1	282.0	478.8	610.0	655.9
87.5°	59.0	216.5	400.1	531.3	577.2
90°	0.0	157.4	334.5	459.1	505.1
92.5°	0.0	150.9	328.0	446.0	491.9
95°	0.0	150.9	321.4	439.5	485.4
97.5°	0.0	144.3	314.8	439.5	478.8
100°	0.0	137.7	314.8	432.9	472.3
102.5°	0.0	131.2	308.3	426.3	465.7
105°	0.0	124.6	301.7	413.2	452.6
107.5°	6.6	124.6	288.6	406.7	446.0
110°	6.6	118.1	275.5	400.1	439.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	6.6	111.5	262.4	387.0	426.3
115°	6.6	111.5	255.8	367.3	413.2
117.5°	6.6	104.9	242.7	354.2	400.1
120°	6.6	104.9	236.1	341.1	380.4
122.5°	6.6	98.4	223.0	328.0	367.3
125°	6.6	91.8	216.5	314.8	354.2
127.5°	6.6	85.3	209.9	301.7	341.1
130°	6.6	78.7	196.8	288.6	321.4
132.5°	6.6	78.7	190.2	268.9	308.3
135°	6.6	72.2	177.1	255.8	288.6
137.5°	6.6	65.6	164.0	242.7	275.5
140°	6.6	59.0	150.9	229.6	255.8
142.5°	6.6	59.0	137.7	209.9	236.1
145°	6.6	52.5	124.6	196.8	216.5
147.5°	6.6	45.9	111.5	177.1	196.8
150°	6.6	45.9	98.4	157.4	177.1
152.5°	6.6	39.4	85.3	144.3	164.0
155°	6.6	32.8	78.7	124.6	144.3
157.5°	6.6	32.8	65.6	104.9	124.6
160°	6.6	26.2	59.0	85.3	104.9
162.5°	6.6	26.2	52.5	72.2	91.8
165°	6.6	19.7	39.4	59.0	72.2
167.5°	6.6	19.7	32.8	45.9	59.0
170°	6.6	13.1	26.2	32.8	45.9
172.5°	6.6	13.1	19.7	19.7	19.7
175°	6.6	6.6	13.1	13.1	6.6
177.5°	6.6	6.6	6.6	6.6	6.6
180°	6.6	6.6	6.6	6.6	6.6

(END OF REPORT)