

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: P567285

Luminaire Tested: **8SNX-120SL-SLW-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567285
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-SLW-UNV-L850-CD
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

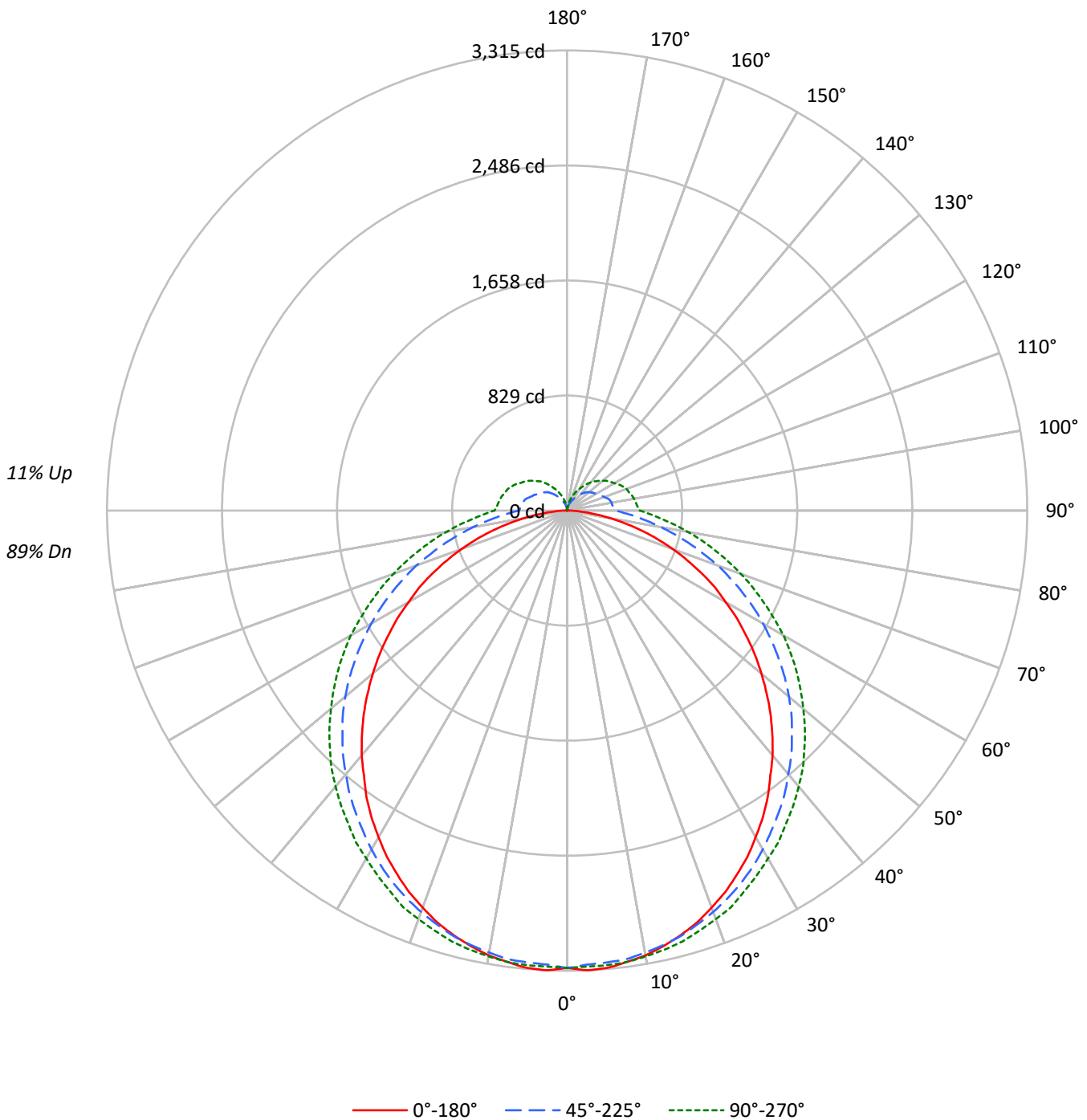
Lumens per Lamp: N/A
Luminaire Lumens: 11728.0 lumens
Efficiency: N/A
Efficacy: 139.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

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°	17730	17730	17730
5°	17855	17286	17260
10°	17749	16947	16833
15°	17588	16598	16439
20°	17363	16196	16001
25°	17101	15803	15543
30°	16784	15370	15090
35°	16438	14920	14665
40°	16038	14478	14258
45°	15607	14027	13818
50°	15112	13550	13325
55°	14571	12977	12841
60°	13934	12363	12301
65°	13285	11673	11621
70°	12367	10912	10957
75°	11151	9943	10220
80°	9147	8961	9493
85°	6752	8129	8749



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.9	2.7
10°-20°	899.4	7.7
20°-30°	1367.6	11.7
30°-40°	1660.1	14.2
40°-50°	1754.2	15.0
50°-60°	1641.5	14.0
60°-70°	1346.9	11.5
70°-80°	926.4	7.9
80°-90°	507.4	4.3
90°-100°	326.7	2.8
100°-110°	293.2	2.5
110°-120°	242.7	2.1
120°-130°	186.8	1.6
130°-140°	131.3	1.1
140°-150°	79.1	0.7
150°-160°	37.9	0.3
160°-170°	12.4	0.1
170°-180°	1.5	0.0
0°-30°	2579.9	22.0
0°-40°	4240.0	36.2
0°-60°	7635.8	65.1
0°-90°	10416.5	88.8
90°-120°	862.5	7.4
90°-150°	1259.7	10.7
90°-180°	1312.0	11.2
0°-180°	11728.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3294	3294	3294	3294	3294	
5°	3308	3301	3267	3294	3288	314
15°	3165	3179	3172	3213	3213	893
25°	2894	2928	2962	3023	3023	1333
35°	2520	2581	2656	2731	2751	1574
45°	2072	2167	2289	2391	2418	1597
55°	1576	1705	1861	1977	2017	1410
65°	1066	1209	1392	1522	1562	1056
75°	557	706	910	1053	1100	586
85°	122	292	496	632	679	141
90°	0	163	346	476	523	8
95°	0	156	333	455	503	0
105°	0	129	312	428	469	4
115°	7	116	265	380	428	7
125°	7	95	224	326	367	6
135°	7	75	183	265	299	5
145°	7	54	129	204	224	4
155°	7	34	82	129	149	3
165°	7	20	41	61	75	2
175°	7	7	14	14	7	1
180°	7	7	7	7	7	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3294.4	3294.4	3294.4	3294.4	3294.4
2.5°	3314.8	3308.0	3274.0	3301.2	3287.6
5°	3308.0	3301.2	3267.3	3294.4	3287.6
7.5°	3280.8	3280.8	3260.5	3287.6	3280.8
10°	3253.7	3253.7	3233.3	3267.3	3260.5
12.5°	3212.9	3219.7	3206.1	3246.9	3240.1
15°	3165.4	3178.9	3172.2	3212.9	3212.9
17.5°	3111.0	3124.6	3124.6	3172.2	3172.2
20°	3043.1	3063.5	3077.1	3131.4	3131.4
22.5°	2975.2	3002.3	3022.7	3070.3	3090.6
25°	2893.7	2927.6	2961.6	3022.7	3022.7
27.5°	2812.1	2852.9	2893.7	2954.8	2961.6
30°	2717.0	2764.6	2818.9	2880.1	2893.7
32.5°	2622.0	2683.1	2737.4	2812.1	2832.5
35°	2520.1	2581.2	2655.9	2730.6	2751.0
37.5°	2404.6	2479.3	2574.4	2655.9	2676.3
40°	2302.7	2384.2	2479.3	2574.4	2594.8
42.5°	2187.2	2275.5	2391.0	2479.3	2513.3
45°	2071.8	2166.8	2289.1	2391.0	2418.2
47.5°	1949.5	2058.2	2194.0	2289.1	2323.1
50°	1827.2	1942.7	2085.3	2194.0	2221.2
52.5°	1704.9	1827.2	1976.7	2085.3	2119.3
55°	1575.9	1704.9	1861.2	1976.7	2017.4
57.5°	1453.6	1582.7	1745.7	1868.0	1908.7
60°	1317.8	1467.2	1630.2	1752.5	1800.0
62.5°	1202.3	1338.1	1514.8	1637.0	1677.8
65°	1066.4	1209.1	1392.5	1521.5	1562.3
67.5°	937.4	1086.8	1270.2	1406.1	1446.8
70°	808.3	957.8	1154.7	1283.8	1331.4
72.5°	679.3	835.5	1025.7	1168.3	1215.9
75°	557.0	706.4	910.2	1052.9	1100.4
77.5°	427.9	591.0	794.7	937.4	991.7
80°	312.5	482.3	686.1	828.7	883.0
82.5°	210.6	380.4	584.2	726.8	781.2
85°	122.3	292.1	495.9	631.7	679.3
87.5°	61.1	224.2	414.4	550.2	597.8
90°	0.0	163.0	346.4	475.5	523.0
92.5°	0.0	156.2	339.6	461.9	509.4
95°	0.0	156.2	332.8	455.1	502.7
97.5°	0.0	149.4	326.0	455.1	495.9
100°	0.0	142.6	326.0	448.3	489.1
102.5°	0.0	135.9	319.3	441.5	482.3
105°	0.0	129.1	312.5	427.9	468.7
107.5°	6.8	129.1	298.9	421.1	461.9
110°	6.8	122.3	285.3	414.4	455.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	6.8	115.5	271.7	400.8	441.5
115°	6.8	115.5	264.9	380.4	427.9
117.5°	6.8	108.7	251.3	366.8	414.4
120°	6.8	108.7	244.5	353.2	394.0
122.5°	6.8	101.9	230.9	339.6	380.4
125°	6.8	95.1	224.2	326.0	366.8
127.5°	6.8	88.3	217.4	312.5	353.2
130°	6.8	81.5	203.8	298.9	332.8
132.5°	6.8	81.5	197.0	278.5	319.3
135°	6.8	74.7	183.4	264.9	298.9
137.5°	6.8	67.9	169.8	251.3	285.3
140°	6.8	61.1	156.2	237.7	264.9
142.5°	6.8	61.1	142.6	217.4	244.5
145°	6.8	54.3	129.1	203.8	224.2
147.5°	6.8	47.5	115.5	183.4	203.8
150°	6.8	47.5	101.9	163.0	183.4
152.5°	6.8	40.8	88.3	149.4	169.8
155°	6.8	34.0	81.5	129.1	149.4
157.5°	6.8	34.0	67.9	108.7	129.1
160°	6.8	27.2	61.1	88.3	108.7
162.5°	6.8	27.2	54.3	74.7	95.1
165°	6.8	20.4	40.8	61.1	74.7
167.5°	6.8	20.4	34.0	47.5	61.1
170°	6.8	13.6	27.2	34.0	47.5
172.5°	6.8	13.6	20.4	20.4	20.4
175°	6.8	6.8	13.6	13.6	6.8
177.5°	6.8	6.8	6.8	6.8	6.8
180°	6.8	6.8	6.8	6.8	6.8

(END OF REPORT)