

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: P567251

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567251
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-120SL-FDL-UNV-L835-CD
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

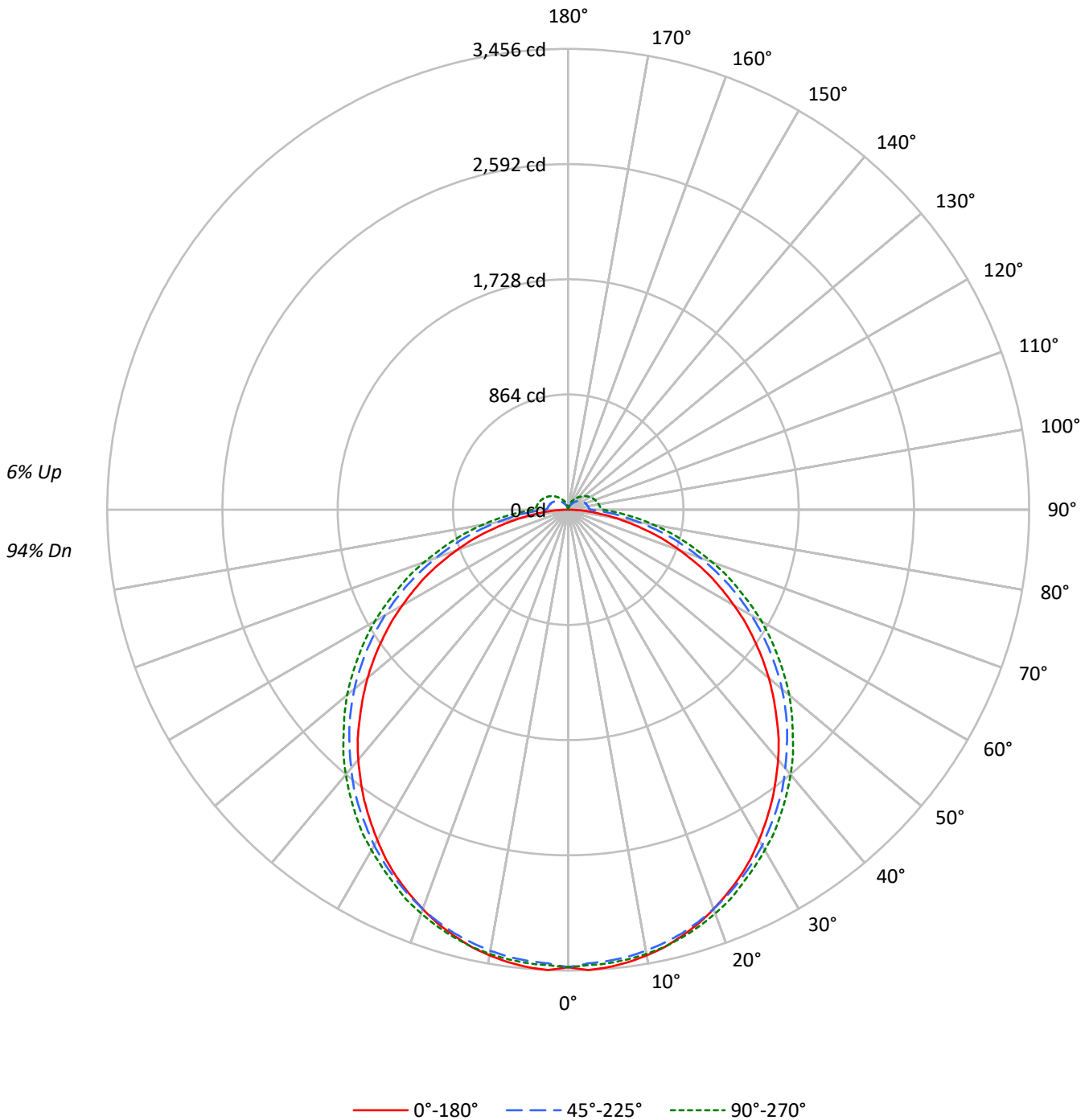
Lumens per Lamp: N/A
Luminaire Lumens: 10903.0 lumens
Efficiency: N/A
Efficacy: 129.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Direct

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

TEST NUMBER: P567251

CATALOG NUMBER: 8SNX-120SL-FDL-UNV-L835-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567251

CATALOG NUMBER: 8SNX-120SL-FDL-UNV-L835-CD

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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18465	18465	18465
5°	18600	18165	18187
10°	18533	17974	17959
15°	18403	17753	17702
20°	18223	17484	17400
25°	18015	17187	17043
30°	17729	16885	16714
35°	17443	16530	16369
40°	17125	16138	15982
45°	16725	15750	15531
50°	16339	15307	15119
55°	15861	14758	14546
60°	15324	14130	13982
65°	14760	13380	13205
70°	13779	12436	12399
75°	12602	11324	11435
80°	10871	9849	10368
85°	8777	8584	9111



TEST NUMBER: P567251

CATALOG NUMBER: 8SNX-120SL-FDL-UNV-L835-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.4	3.0
10°-20°	933.7	8.6
20°-30°	1415.0	13.0
30°-40°	1708.1	15.7
40°-50°	1783.7	16.4
50°-60°	1638.7	15.0
60°-70°	1295.8	11.9
70°-80°	820.1	7.5
80°-90°	352.5	3.2
90°-100°	155.1	1.4
100°-110°	138.9	1.3
110°-120°	117.3	1.1
120°-130°	91.4	0.8
130°-140°	63.3	0.6
140°-150°	38.0	0.3
150°-160°	18.5	0.2
160°-170°	6.4	0.1
170°-180°	0.9	0.0
0°-30°	2674.0	24.5
0°-40°	4382.2	40.2
0°-60°	7804.6	71.6
0°-90°	10273.1	94.2
90°-120°	411.3	3.8
90°-150°	604.0	5.5
90°-180°	630.0	5.8
0°-180°	10903.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3431	3431	3431	3431	3431	
5°	3444	3435	3398	3427	3416	327
15°	3307	3307	3290	3325	3319	933
25°	3041	3054	3058	3099	3093	1400
35°	2664	2695	2730	2773	2782	1666
45°	2209	2263	2321	2365	2381	1706
55°	1703	1772	1846	1906	1919	1524
65°	1172	1238	1324	1386	1408	1154
75°	618	691	792	859	892	655
85°	151	232	332	404	429	166
90°	10	83	170	238	263	13
95°	2	71	154	216	239	2
105°	2	66	145	203	224	2
115°	2	56	131	183	203	2
125°	4	50	110	158	176	3
135°	4	39	89	126	141	3
145°	4	29	62	95	104	2
155°	4	19	40	60	71	2
165°	6	14	21	29	40	2
175°	6	8	10	10	6	1
180°	6	6	6	6	6	



TEST NUMBER: P567251

CATALOG NUMBER: 8SNX-120SL-FDL-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3431.0	3431.0	3431.0	3431.0	3431.0
2.5°	3456.1	3444.5	3405.9	3432.9	3419.4
5°	3444.5	3434.8	3398.1	3427.1	3415.5
7.5°	3423.2	3415.5	3382.7	3413.6	3402.0
10°	3394.3	3388.5	3359.5	3390.4	3382.7
12.5°	3357.6	3355.7	3326.7	3361.5	3355.7
15°	3307.4	3307.4	3290.0	3324.8	3319.0
17.5°	3253.3	3255.3	3241.8	3278.4	3274.6
20°	3187.7	3197.3	3187.7	3226.3	3222.4
22.5°	3116.3	3129.8	3125.9	3164.5	3166.5
25°	3041.0	3054.5	3058.3	3098.9	3093.1
27.5°	2957.9	2979.2	2986.9	3023.6	3021.6
30°	2861.4	2890.4	2907.7	2938.6	2948.3
32.5°	2762.9	2797.7	2818.9	2861.4	2873.0
35°	2664.5	2695.3	2730.1	2772.6	2782.2
37.5°	2556.3	2591.1	2637.4	2678.0	2689.6
40°	2448.2	2486.8	2531.2	2575.6	2593.0
42.5°	2336.2	2376.8	2425.0	2477.2	2494.5
45°	2208.8	2262.9	2320.8	2365.2	2380.6
47.5°	2087.2	2147.0	2208.8	2257.1	2274.4
50°	1963.6	2027.3	2092.9	2137.4	2164.4
52.5°	1834.2	1903.7	1969.4	2025.4	2042.7
55°	1702.9	1772.4	1845.8	1905.7	1919.2
57.5°	1575.5	1643.1	1716.4	1772.4	1799.5
60°	1436.5	1509.9	1589.0	1645.0	1674.0
62.5°	1301.3	1372.8	1457.7	1517.6	1540.8
65°	1172.0	1237.6	1324.5	1386.3	1407.5
67.5°	1029.1	1104.4	1187.4	1258.9	1285.9
70°	888.2	959.6	1054.2	1121.8	1148.8
72.5°	756.9	826.4	921.0	988.6	1013.7
75°	617.8	691.2	791.6	859.2	892.0
77.5°	484.6	565.7	662.3	735.6	772.3
80°	361.1	432.5	536.8	617.8	650.7
82.5°	245.2	322.4	430.6	505.9	542.5
85°	150.6	231.7	332.1	403.5	428.6
87.5°	71.4	148.7	241.3	310.9	341.7
90°	9.7	83.0	169.9	237.5	262.6
92.5°	1.9	71.4	156.4	220.1	243.3
95°	1.9	71.4	154.5	216.2	239.4
97.5°	1.9	69.5	152.5	214.3	235.6
100°	1.9	67.6	150.6	210.5	233.6
102.5°	1.9	67.6	146.7	206.6	227.8
105°	1.9	65.6	144.8	202.7	224.0
107.5°	1.9	63.7	140.9	198.9	220.1
110°	1.9	59.9	139.0	193.1	214.3



TEST NUMBER: P567251

CATALOG NUMBER: 8SNX-120SL-FDL-UNV-L835-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	57.9	135.2	189.2	208.5
115°	1.9	56.0	131.3	183.4	202.7
117.5°	1.9	54.1	125.5	177.6	196.9
120°	3.9	54.1	121.6	171.8	189.2
122.5°	3.9	52.1	115.8	164.1	181.5
125°	3.9	50.2	110.1	158.3	175.7
127.5°	3.9	48.3	104.3	150.6	166.0
130°	3.9	44.4	100.4	142.9	158.3
132.5°	3.9	42.5	94.6	133.2	148.7
135°	3.9	38.6	88.8	125.5	140.9
137.5°	3.9	36.7	83.0	117.8	131.3
140°	3.9	34.8	75.3	110.1	123.6
142.5°	3.9	30.9	69.5	102.3	113.9
145°	3.9	29.0	61.8	94.6	104.3
147.5°	3.9	25.1	56.0	86.9	96.5
150°	3.9	23.2	50.2	79.2	88.8
152.5°	3.9	21.2	44.4	69.5	79.2
155°	3.9	19.3	40.5	59.9	71.4
157.5°	3.9	17.4	34.8	52.1	63.7
160°	5.8	15.4	30.9	44.4	54.1
162.5°	5.8	13.5	25.1	36.7	48.3
165°	5.8	13.5	21.2	29.0	40.5
167.5°	5.8	11.6	17.4	23.2	32.8
170°	5.8	9.7	15.4	17.4	25.1
172.5°	5.8	7.7	11.6	11.6	13.5
175°	5.8	7.7	9.7	9.7	5.8
177.5°	5.8	5.8	5.8	5.8	3.9
180°	5.8	5.8	5.8	5.8	5.8

(END OF REPORT)