

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: P567699

Luminaire Tested: **8SNX-200HL-LN-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567699
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-200HL-LN-UNV-L835-CD
Description: 8FT 20000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

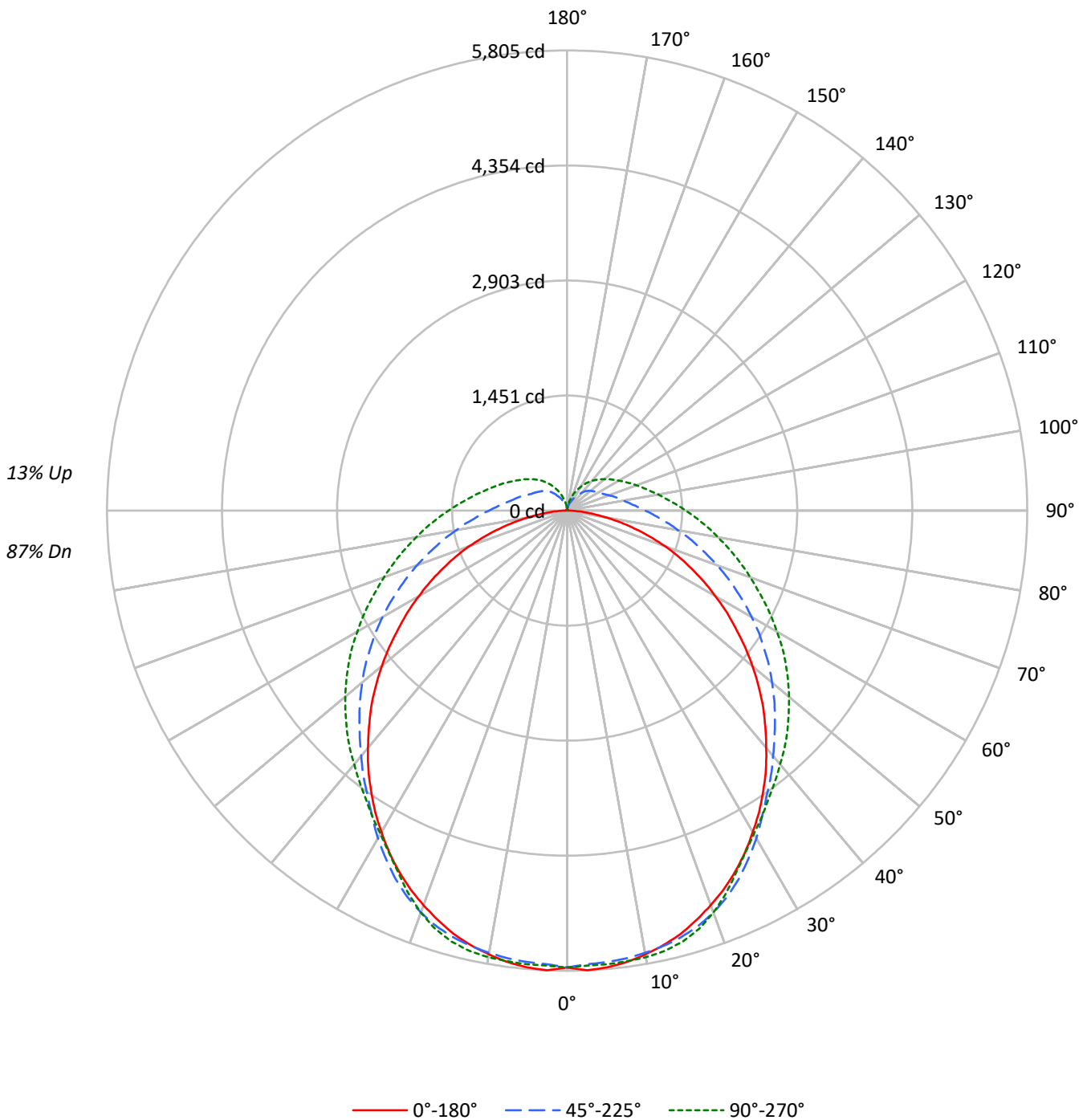
Lumens per Lamp: N/A
Luminaire Lumens: 20804.0 lumens
Efficiency: N/A
Efficacy: 143.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.35
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 145
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: P567699

CATALOG NUMBER: 8SNX-200HL-LN-UNV-L835-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567699

CATALOG NUMBER: 8SNX-200HL-LN-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	116	116	116	116	112	112	112	112	104	104	104	96	96	96	90	90	90	87
1	104	98	93	89	100	95	90	86	88	84	81	82	79	76	76	74	72	68
2	94	85	77	71	90	82	75	69	76	70	66	71	66	62	66	62	59	56
3	85	74	65	58	81	71	63	57	66	60	54	62	56	52	58	53	49	46
4	78	65	56	49	74	63	55	48	59	52	46	55	49	44	51	46	42	39
5	71	58	49	42	68	56	48	41	53	45	40	49	43	38	46	41	36	34
6	66	52	43	37	63	51	42	36	47	40	35	44	38	33	42	36	32	29
7	61	47	38	32	58	46	38	32	43	36	30	41	34	29	38	33	28	26
8	57	43	35	29	54	42	34	28	39	32	27	37	31	26	35	29	25	23
9	53	39	31	26	51	38	31	25	36	29	24	34	28	24	32	27	23	21
10	50	36	28	23	48	35	28	23	34	27	22	32	26	21	30	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	31017	31017	31017
5°	31193	29627	29329
10°	30957	28511	27975
15°	30643	27454	26611
20°	30112	26260	24871
25°	29538	24808	22832
30°	28762	23173	21129
35°	27933	21506	19858
40°	26984	20169	18830
45°	26060	18985	17943
50°	24954	17894	17049
55°	23654	16798	16173
60°	22425	15705	15258
65°	21067	14601	14419
70°	19528	13568	13661
75°	17081	12561	13036
80°	13881	11696	12507
85°	10025	11094	12203



TEST NUMBER: P567699

CATALOG NUMBER: 8SNX-200HL-LN-UNV-L835-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	547.5	2.6
10°-20°	1574.1	7.6
20°-30°	2343.9	11.3
30°-40°	2765.7	13.3
40°-50°	2884.4	13.9
50°-60°	2710.6	13.0
60°-70°	2289.0	11.0
70°-80°	1729.6	8.3
80°-90°	1192.2	5.7
90°-100°	834.3	4.0
100°-110°	622.6	3.0
110°-120°	469.4	2.3
120°-130°	350.0	1.7
130°-140°	245.7	1.2
140°-150°	148.5	0.7
150°-160°	71.0	0.3
160°-170°	22.8	0.1
170°-180°	2.7	0.0
0°-30°	4465.5	21.5
0°-40°	7231.2	34.8
0°-60°	12826.1	61.7
0°-90°	18036.9	86.7
90°-120°	1926.2	9.3
90°-150°	2670.5	12.8
90°-180°	2767.0	13.3
0°-180°	20804.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5763	5763	5763	5763	5763	
5°	5784	5774	5717	5760	5746	549
15°	5530	5555	5569	5640	5629	1557
25°	5022	5125	5125	5079	5040	2311
35°	4314	4472	4388	4423	4433	2697
45°	3495	3668	3707	3858	3929	2692
55°	2596	2818	3033	3277	3365	2329
65°	1728	2003	2342	2649	2751	1716
75°	885	1227	1700	2056	2187	943
85°	201	631	1178	1566	1704	225
90°	4	448	984	1361	1495	14
95°	4	349	832	1192	1316	3
105°	7	250	642	931	1037	7
115°	7	215	497	741	836	7
125°	11	183	420	607	684	10
135°	11	141	349	494	554	8
145°	14	102	243	377	423	8
155°	14	67	148	240	279	7
165°	18	42	78	106	141	5
175°	18	18	21	21	11	2
180°	11	11	11	11	11	



TEST NUMBER: P567699

CATALOG NUMBER: 8SNX-200HL-LN-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5763.1	5763.1	5763.1	5763.1	5763.1
2.5°	5805.4	5791.3	5727.8	5763.1	5745.5
5°	5784.3	5773.7	5717.2	5759.6	5745.5
7.5°	5745.5	5741.9	5699.6	5749.0	5734.9
10°	5685.5	5696.1	5664.3	5731.4	5720.8
12.5°	5615.0	5636.1	5625.5	5699.6	5689.0
15°	5530.3	5555.0	5569.1	5639.6	5629.1
17.5°	5417.4	5463.3	5495.0	5551.5	5533.8
20°	5297.5	5361.0	5396.3	5424.5	5396.3
22.5°	5167.0	5251.7	5272.8	5258.7	5230.5
25°	5022.4	5124.7	5124.7	5078.9	5040.1
27.5°	4860.2	4987.2	4951.9	4899.0	4867.2
30°	4683.8	4835.5	4775.5	4715.6	4708.5
32.5°	4507.5	4666.2	4578.0	4563.9	4574.5
35°	4313.5	4472.2	4387.6	4422.8	4433.4
37.5°	4119.5	4278.2	4221.8	4274.7	4306.4
40°	3907.9	4077.2	4041.9	4137.2	4179.5
42.5°	3699.8	3876.2	3872.6	3996.1	4059.6
45°	3495.2	3668.1	3706.9	3858.5	3929.1
47.5°	3273.0	3449.4	3544.6	3721.0	3791.5
50°	3054.4	3244.8	3375.3	3572.8	3654.0
52.5°	2828.6	3029.7	3209.6	3428.2	3512.9
55°	2595.9	2818.1	3033.2	3276.6	3364.7
57.5°	2387.8	2613.5	2867.4	3117.9	3220.1
60°	2158.5	2408.9	2687.6	2952.1	3054.4
62.5°	1950.4	2207.9	2518.3	2796.9	2906.2
65°	1728.2	2003.3	2341.9	2648.8	2751.0
67.5°	1523.7	1805.8	2176.2	2486.5	2599.4
70°	1312.0	1611.8	2013.9	2341.9	2458.3
72.5°	1093.4	1410.8	1851.7	2200.8	2320.8
75°	885.3	1227.4	1700.0	2056.2	2186.7
77.5°	691.3	1051.0	1562.5	1929.3	2056.2
80°	500.8	892.3	1417.8	1798.8	1929.3
82.5°	331.5	754.8	1301.5	1682.4	1819.9
85°	201.0	631.3	1178.0	1566.0	1703.5
87.5°	91.7	529.0	1079.3	1463.7	1597.7
90°	3.5	447.9	984.0	1361.4	1495.4
92.5°	3.5	391.5	906.4	1273.2	1403.7
95°	3.5	349.2	832.4	1192.1	1315.6
97.5°	3.5	321.0	775.9	1114.5	1234.4
100°	3.5	292.7	719.5	1044.0	1167.4
102.5°	7.1	268.1	677.2	980.5	1096.9
105°	7.1	250.4	641.9	931.1	1036.9
107.5°	7.1	239.8	603.1	881.7	980.5
110°	7.1	229.3	560.8	832.4	931.1



TEST NUMBER: P567699

CATALOG NUMBER: 8SNX-200HL-LN-UNV-L835-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	7.1	222.2	529.0	790.0	885.3
115°	7.1	215.1	497.3	740.7	835.9
117.5°	7.1	211.6	479.7	701.9	793.6
120°	10.6	201.0	458.5	666.6	754.8
122.5°	10.6	190.5	437.3	638.4	716.0
125°	10.6	183.4	419.7	606.6	684.2
127.5°	10.6	172.8	402.1	578.4	649.0
130°	10.6	162.2	388.0	550.2	617.2
132.5°	10.6	151.7	370.3	522.0	585.5
135°	10.6	141.1	349.2	493.8	553.7
137.5°	10.6	130.5	328.0	465.6	522.0
140°	10.6	119.9	299.8	437.3	490.3
142.5°	10.6	109.3	271.6	409.1	455.0
145°	14.1	102.3	243.4	377.4	423.2
147.5°	14.1	91.7	215.1	345.6	384.4
150°	14.1	84.6	194.0	313.9	349.2
152.5°	14.1	74.1	172.8	278.6	313.9
155°	14.1	67.0	148.1	239.8	278.6
157.5°	14.1	60.0	127.0	201.0	243.4
160°	14.1	56.4	109.3	165.8	208.1
162.5°	17.6	49.4	91.7	134.0	172.8
165°	17.6	42.3	77.6	105.8	141.1
167.5°	17.6	35.3	63.5	81.1	109.3
170°	17.6	28.2	49.4	56.4	84.6
172.5°	17.6	21.2	35.3	38.8	42.3
175°	17.6	17.6	21.2	21.2	10.6
177.5°	17.6	17.6	14.1	10.6	3.5
180°	10.6	10.6	10.6	10.6	10.6

(END OF REPORT)