

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: P567714

Luminaire Tested: **8SNX-200HL-SLW-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567714
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-200HL-SLW-UNV-L830-CD
Description: 8FT 20000 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

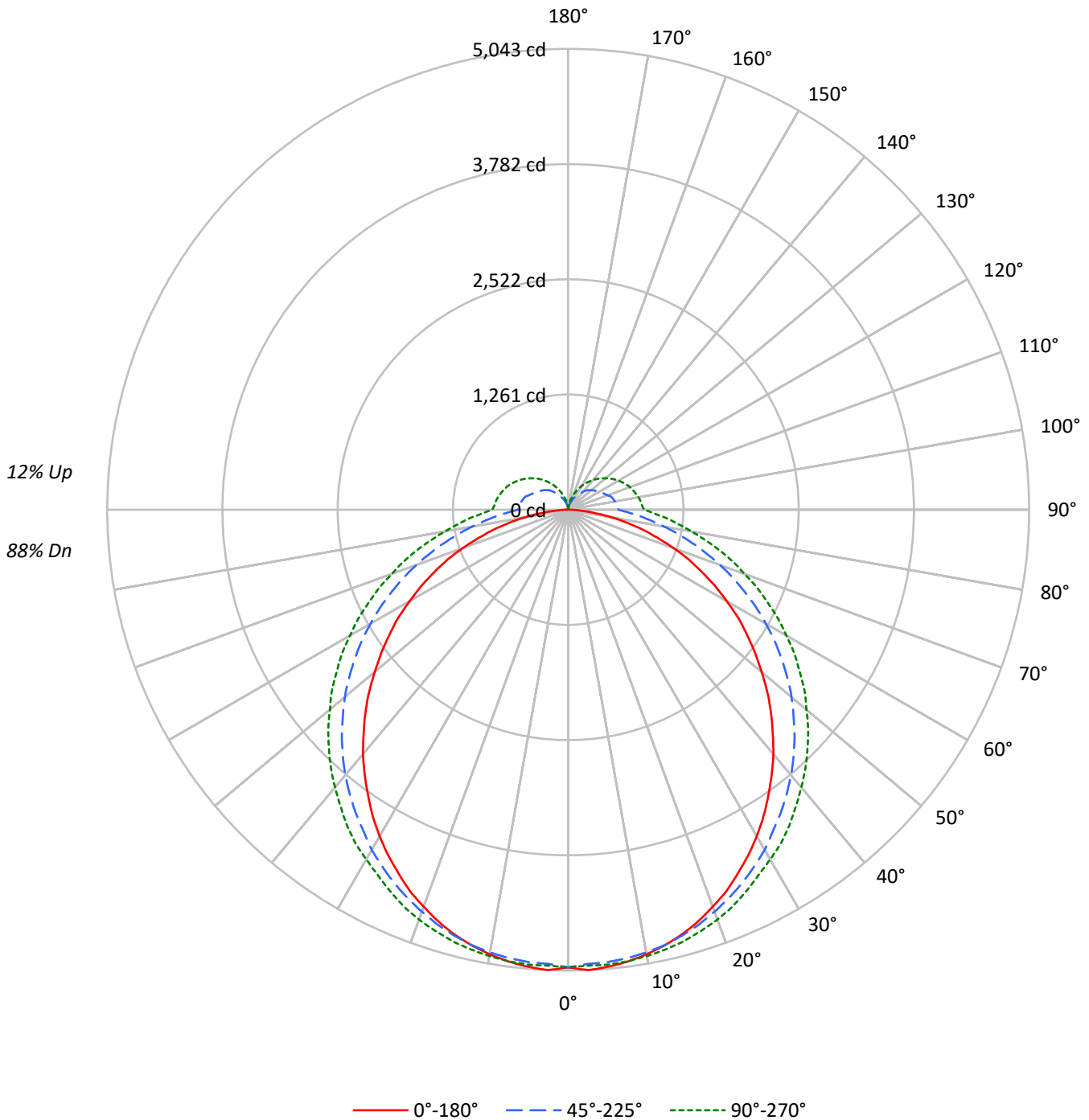
Lumens per Lamp: N/A
Luminaire Lumens: 18033.0 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 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: P567714

CATALOG NUMBER: 8SNX-200HL-SLW-UNV-L830-CD

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	91	91	91	88
1	105	99	95	90	101	96	92	88	89	86	83	84	81	78	78	76	74	71
2	95	86	79	72	91	83	76	71	77	72	67	72	68	64	68	64	61	58
3	86	75	66	60	82	72	65	58	68	61	56	63	58	53	59	55	51	48
4	78	66	57	50	75	64	56	49	60	53	47	56	50	45	53	48	43	41
5	72	59	50	43	69	57	48	42	54	46	41	50	44	39	47	42	38	35
6	66	53	44	37	64	51	43	37	48	41	35	45	39	34	43	37	33	31
7	61	48	39	33	59	46	38	32	44	36	31	41	35	30	39	33	29	27
8	57	43	35	29	55	42	34	29	40	33	28	38	31	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	27	23	21
10	50	37	29	23	48	36	28	23	34	27	22	32	26	22	31	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	26958	26958	26958
5°	27103	26287	26232
10°	26953	25783	25605
15°	26733	25239	25012
20°	26377	24641	24396
25°	25951	24041	23692
30°	25487	23438	23045
35°	24897	22761	22487
40°	24326	22144	21805
45°	23635	21459	21157
50°	22833	20729	20416
55°	22071	19874	19676
60°	21192	18947	18825
65°	20120	17888	17917
70°	18757	16693	16874
75°	16816	15316	15917
80°	14100	13956	14707
85°	10229	12756	13919



TEST NUMBER: P567714

CATALOG NUMBER: 8SNX-200HL-SLW-UNV-L830-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	475.5	2.6
10°-20°	1367.9	7.6
20°-30°	2080.9	11.5
30°-40°	2530.2	14.0
40°-50°	2676.8	14.8
50°-60°	2509.2	13.9
60°-70°	2064.2	11.4
70°-80°	1428.3	7.9
80°-90°	794.2	4.4
90°-100°	523.2	2.9
100°-110°	469.2	2.6
110°-120°	388.4	2.2
120°-130°	300.2	1.7
130°-140°	212.5	1.2
140°-150°	128.2	0.7
150°-160°	61.6	0.3
160°-170°	20.2	0.1
170°-180°	2.5	0.0
0°-30°	3924.3	21.8
0°-40°	6454.4	35.8
0°-60°	11640.4	64.6
0°-90°	15927.1	88.3
90°-120°	1380.7	7.7
90°-150°	2021.7	11.2
90°-180°	2106.0	11.7
0°-180°	18033.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5009	5009	5009	5009	5009	
5°	5021	5012	4969	5009	4996	477
15°	4811	4827	4824	4888	4888	1356
25°	4391	4453	4506	4604	4607	2024
35°	3817	3919	4052	4181	4218	2389
45°	3138	3301	3502	3659	3703	2418
55°	2387	2600	2850	3029	3091	2137
65°	1615	1847	2134	2344	2409	1601
75°	840	1084	1402	1624	1714	891
85°	185	460	778	994	1081	213
90°	3	259	550	757	831	12
95°	3	247	534	732	803	3
105°	3	213	500	689	750	3
115°	6	185	423	611	679	5
125°	6	158	361	522	587	6
135°	6	124	303	429	482	5
145°	6	90	210	324	364	4
155°	9	62	130	207	241	4
165°	9	40	71	96	124	3
175°	9	15	22	22	12	1
180°	6	6	6	6	6	



TEST NUMBER: P567714

CATALOG NUMBER: 8SNX-200HL-SLW-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5008.9	5008.9	5008.9	5008.9	5008.9
2.5°	5042.8	5027.4	4974.9	5008.9	4993.4
5°	5021.2	5012.0	4968.7	5008.9	4996.5
7.5°	4987.3	4984.2	4950.2	4996.5	4984.2
10°	4940.9	4947.1	4919.3	4968.7	4959.5
12.5°	4882.3	4891.5	4879.2	4934.8	4928.6
15°	4811.2	4826.7	4823.6	4888.4	4888.4
17.5°	4724.8	4746.4	4758.7	4832.8	4832.8
20°	4622.9	4656.8	4681.5	4761.8	4774.2
22.5°	4521.0	4561.1	4598.2	4681.5	4700.1
25°	4391.3	4453.0	4505.5	4604.3	4607.4
27.5°	4264.6	4332.6	4403.6	4499.3	4508.6
30°	4125.7	4212.1	4298.6	4391.3	4419.0
32.5°	3977.5	4073.2	4168.9	4292.4	4329.5
35°	3816.9	3918.8	4051.6	4181.3	4218.3
37.5°	3656.3	3770.5	3925.0	4057.7	4091.7
40°	3492.6	3619.2	3792.2	3928.0	3968.2
42.5°	3310.4	3464.8	3650.1	3795.3	3841.6
45°	3137.5	3301.2	3501.9	3659.4	3702.6
47.5°	2955.3	3128.2	3344.4	3511.2	3560.6
50°	2760.7	2958.4	3190.0	3356.7	3403.1
52.5°	2578.5	2779.3	3023.2	3196.2	3261.0
55°	2387.1	2600.2	2850.3	3029.4	3091.2
57.5°	2208.0	2411.8	2680.5	2859.6	2936.8
60°	2004.2	2229.6	2498.3	2692.8	2754.6
62.5°	1812.7	2041.2	2319.2	2519.9	2590.9
65°	1615.1	1846.7	2133.9	2343.9	2408.7
67.5°	1429.8	1658.3	1951.7	2158.6	2241.9
70°	1226.0	1466.8	1766.4	1979.5	2050.5
72.5°	1025.2	1275.4	1581.1	1809.6	1889.9
75°	840.0	1083.9	1402.0	1624.3	1713.9
77.5°	660.8	907.9	1229.1	1457.6	1534.8
80°	481.7	741.1	1068.5	1293.9	1368.0
82.5°	318.1	589.8	914.1	1139.5	1219.8
85°	185.3	460.1	778.2	994.4	1080.8
87.5°	80.3	349.0	651.6	864.7	935.7
90°	3.1	259.4	549.7	756.6	830.7
92.5°	3.1	253.2	537.3	741.1	812.2
95°	3.1	247.0	534.2	731.9	802.9
97.5°	3.1	244.0	528.1	725.7	793.6
100°	3.1	234.7	518.8	713.3	781.3
102.5°	3.1	222.3	509.5	701.0	765.8
105°	3.1	213.1	500.3	688.6	750.4
107.5°	3.1	203.8	484.8	673.2	735.0
110°	3.1	194.5	460.1	657.8	719.5



TEST NUMBER: P567714

CATALOG NUMBER: 8SNX-200HL-SLW-UNV-L830-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.1	191.5	441.6	636.1	701.0
115°	6.2	185.3	423.1	611.4	679.4
117.5°	6.2	182.2	407.6	586.7	657.8
120°	6.2	172.9	392.2	565.1	633.1
122.5°	6.2	163.7	376.7	543.5	611.4
125°	6.2	157.5	361.3	521.9	586.7
127.5°	6.2	148.2	349.0	500.3	558.9
130°	6.2	142.1	333.5	475.6	534.2
132.5°	6.2	132.8	318.1	450.9	506.4
135°	6.2	123.5	302.6	429.2	481.7
137.5°	6.2	111.2	284.1	404.5	453.9
140°	6.2	101.9	259.4	379.8	426.2
142.5°	6.2	95.7	234.7	352.0	395.3
145°	6.2	89.6	210.0	324.2	364.4
147.5°	6.2	83.4	188.4	296.5	333.5
150°	6.2	74.1	166.8	271.8	302.6
152.5°	9.3	67.9	148.2	240.9	271.8
155°	9.3	61.8	129.7	206.9	240.9
157.5°	9.3	55.6	111.2	172.9	210.0
160°	9.3	49.4	95.7	142.1	179.1
162.5°	9.3	46.3	83.4	117.3	151.3
165°	9.3	40.1	71.0	95.7	123.5
167.5°	9.3	30.9	58.7	74.1	101.9
170°	9.3	24.7	46.3	52.5	77.2
172.5°	9.3	18.5	34.0	37.1	40.1
175°	9.3	15.4	21.6	21.6	12.4
177.5°	9.3	12.4	12.4	12.4	6.2
180°	6.2	6.2	6.2	6.2	6.2

(END OF REPORT)