

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: P567712

Luminaire Tested: **8SNX-200HL-LW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567712
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-LW-UNV-L940-CD
Description: 8FT 20000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

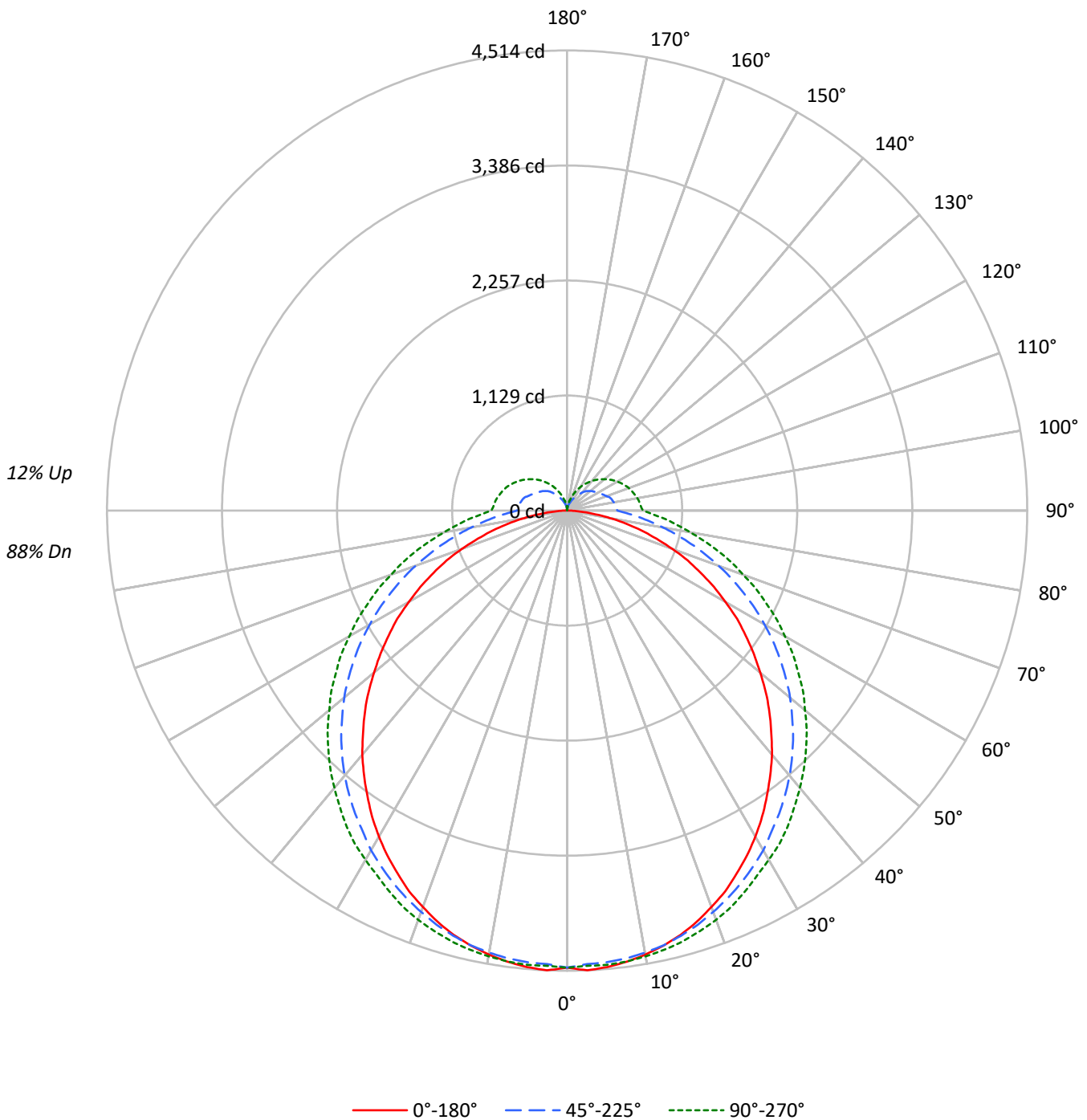
Lumens per Lamp: N/A
Luminaire Lumens: 16142.0 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

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

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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	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°	24131	24131	24131
5°	24239	23048	22832
10°	24082	22165	21709
15°	23863	21285	20686
20°	23522	20393	19696
25°	23118	19523	18683
30°	22678	18672	17751
35°	22125	17777	16913
40°	21588	16939	16003
45°	20940	16054	15135
50°	20190	15138	14213
55°	19471	14130	13300
60°	18638	13068	12317
65°	17623	11909	11301
70°	16334	10653	10200
75°	14507	9273	9146
80°	11952	7890	7939
85°	8274	6561	6931



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	425.7	2.6
10°-20°	1224.4	7.6
20°-30°	1862.7	11.5
30°-40°	2264.8	14.0
40°-50°	2396.1	14.8
50°-60°	2246.1	13.9
60°-70°	1847.8	11.4
70°-80°	1278.5	7.9
80°-90°	710.9	4.4
90°-100°	468.4	2.9
100°-110°	420.0	2.6
110°-120°	347.6	2.2
120°-130°	268.7	1.7
130°-140°	190.2	1.2
140°-150°	114.8	0.7
150°-160°	55.1	0.3
160°-170°	18.0	0.1
170°-180°	2.2	0.0
0°-30°	3512.7	21.8
0°-40°	5777.6	35.8
0°-60°	10419.8	64.6
0°-90°	14257.0	88.3
90°-120°	1236.0	7.7
90°-150°	1809.7	11.2
90°-180°	1885.0	11.7
0°-180°	16142.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4484	4484	4484	4484	4484	
5°	4495	4486	4448	4484	4473	427
15°	4307	4320	4318	4376	4376	1214
25°	3931	3986	4033	4122	4124	1812
35°	3417	3508	3627	3743	3776	2138
45°	2808	2955	3135	3276	3314	2165
55°	2137	2328	2551	2712	2767	1913
65°	1446	1653	1910	2098	2156	1433
75°	752	970	1255	1454	1534	798
85°	166	412	697	890	968	191
90°	3	232	492	677	744	11
95°	3	221	478	655	719	2
105°	3	191	448	616	672	3
115°	6	166	379	547	608	4
125°	6	141	323	467	525	5
135°	6	111	271	384	431	4
145°	6	80	188	290	326	3
155°	8	55	116	185	216	4
165°	8	36	64	86	111	2
175°	8	14	19	19	11	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4483.6	4483.6	4483.6	4483.6	4483.6
2.5°	4514.0	4500.2	4453.2	4483.6	4469.8
5°	4494.7	4486.4	4447.7	4483.6	4472.6
7.5°	4464.3	4461.5	4431.1	4472.6	4461.5
10°	4422.8	4428.3	4403.5	4447.7	4439.4
12.5°	4370.3	4378.6	4367.5	4417.3	4411.8
15°	4306.7	4320.5	4317.8	4375.8	4375.8
17.5°	4229.3	4248.7	4259.7	4326.1	4326.1
20°	4138.1	4168.5	4190.6	4262.5	4273.5
22.5°	4046.9	4082.8	4116.0	4190.6	4207.2
25°	3930.8	3986.1	4033.0	4121.5	4124.3
27.5°	3817.4	3878.3	3941.8	4027.5	4035.8
30°	3693.0	3770.4	3847.8	3930.8	3955.7
32.5°	3560.4	3646.1	3731.7	3842.3	3875.5
35°	3416.6	3507.8	3626.7	3742.8	3776.0
37.5°	3272.9	3375.2	3513.4	3632.2	3662.6
40°	3126.4	3239.7	3394.5	3516.1	3552.1
42.5°	2963.3	3101.5	3267.4	3397.3	3438.7
45°	2808.5	2955.0	3134.7	3275.6	3314.3
47.5°	2645.4	2800.2	2993.7	3143.0	3187.2
50°	2471.2	2648.2	2855.5	3004.7	3046.2
52.5°	2308.2	2487.8	2706.2	2861.0	2919.1
55°	2136.8	2327.5	2551.4	2711.7	2767.0
57.5°	1976.4	2158.9	2399.4	2559.7	2628.8
60°	1794.0	1995.8	2236.3	2410.4	2465.7
62.5°	1622.6	1827.2	2076.0	2255.6	2319.2
65°	1445.7	1653.0	1910.1	2098.1	2156.1
67.5°	1279.9	1484.4	1747.0	1932.2	2006.8
70°	1097.4	1313.0	1581.2	1771.9	1835.5
72.5°	917.7	1141.6	1415.3	1619.9	1691.7
75°	751.9	970.3	1255.0	1454.0	1534.2
77.5°	591.6	812.7	1100.2	1304.7	1373.8
80°	431.2	663.4	956.4	1158.2	1224.6
82.5°	284.7	528.0	818.2	1020.0	1091.9
85°	165.9	411.9	696.6	890.1	967.5
87.5°	71.9	312.4	583.3	774.0	837.6
90°	2.8	232.2	492.0	677.2	743.6
92.5°	2.8	226.7	481.0	663.4	727.0
95°	2.8	221.1	478.2	655.1	718.7
97.5°	2.8	218.4	472.7	649.6	710.4
100°	2.8	210.1	464.4	638.5	699.4
102.5°	2.8	199.0	456.1	627.5	685.5
105°	2.8	190.7	447.8	616.4	671.7
107.5°	2.8	182.4	434.0	602.6	657.9
110°	2.8	174.1	411.9	588.8	644.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.8	171.4	395.3	569.4	627.5
115°	5.5	165.9	378.7	547.3	608.1
117.5°	5.5	163.1	364.9	525.2	588.8
120°	5.5	154.8	351.1	505.9	566.7
122.5°	5.5	146.5	337.2	486.5	547.3
125°	5.5	141.0	323.4	467.2	525.2
127.5°	5.5	132.7	312.4	447.8	500.3
130°	5.5	127.2	298.5	425.7	478.2
132.5°	5.5	118.9	284.7	403.6	453.3
135°	5.5	110.6	270.9	384.2	431.2
137.5°	5.5	99.5	254.3	362.1	406.3
140°	5.5	91.2	232.2	340.0	381.5
142.5°	5.5	85.7	210.1	315.1	353.8
145°	5.5	80.2	188.0	290.2	326.2
147.5°	5.5	74.6	168.6	265.4	298.5
150°	5.5	66.3	149.3	243.3	270.9
152.5°	8.3	60.8	132.7	215.6	243.3
155°	8.3	55.3	116.1	185.2	215.6
157.5°	8.3	49.8	99.5	154.8	188.0
160°	8.3	44.2	85.7	127.2	160.3
162.5°	8.3	41.5	74.6	105.0	135.4
165°	8.3	35.9	63.6	85.7	110.6
167.5°	8.3	27.6	52.5	66.3	91.2
170°	8.3	22.1	41.5	47.0	69.1
172.5°	8.3	16.6	30.4	33.2	35.9
175°	8.3	13.8	19.3	19.3	11.1
177.5°	8.3	11.1	11.1	11.1	5.5
180°	5.5	5.5	5.5	5.5	5.5

(END OF REPORT)