

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: P567709

Luminaire Tested: **8SNX-200HL-LW-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567709
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-L850-CD
Description: 8FT 20000 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

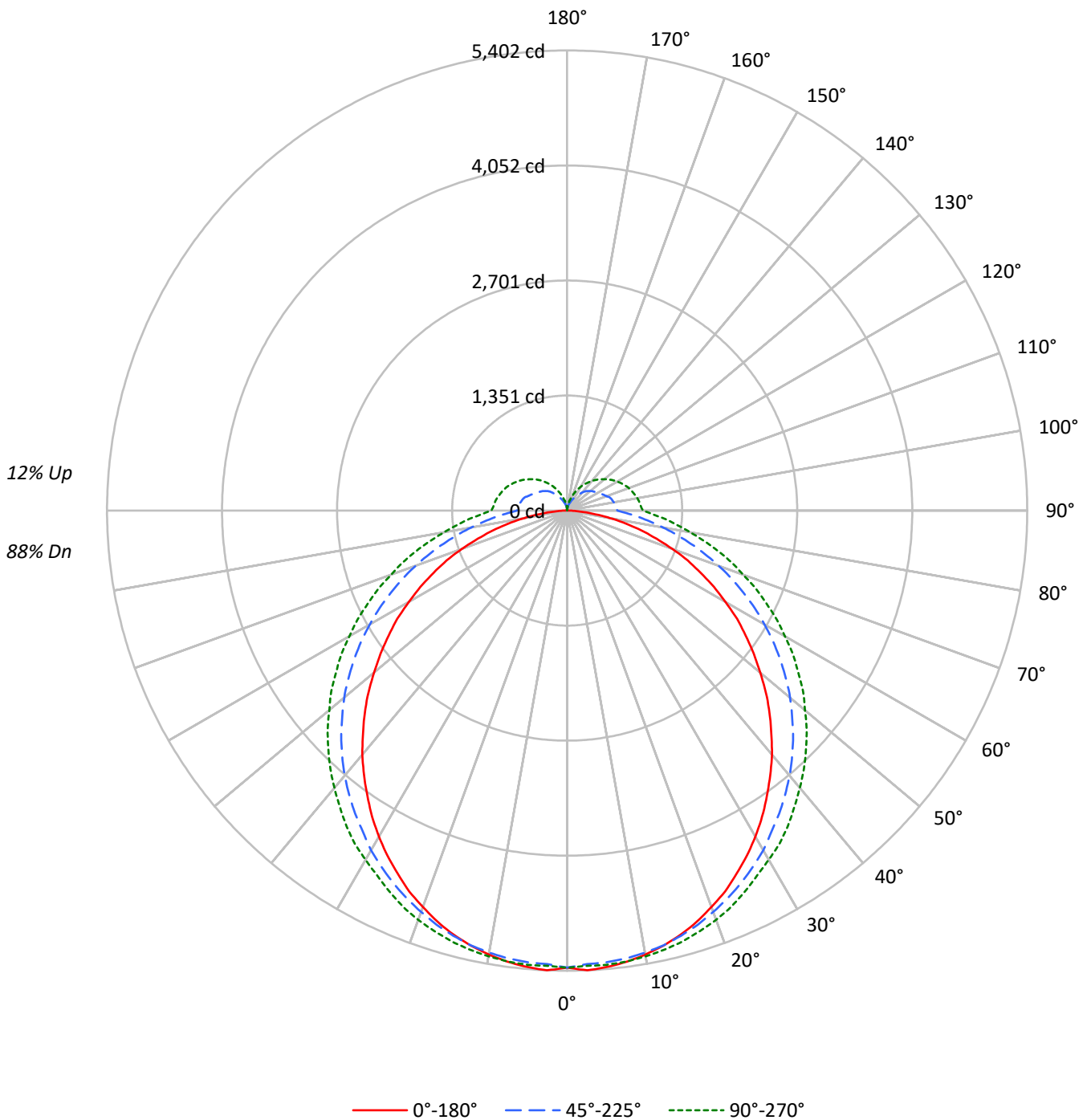
Lumens per Lamp: N/A
Luminaire Lumens: 19317.0 lumens
Efficiency: N/A
Efficacy: 133.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

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°	28877	28877	28877
5°	29006	27582	27322
10°	28819	26525	25979
15°	28557	25472	24755
20°	28148	24404	23571
25°	27665	23364	22358
30°	27138	22345	21242
35°	26477	21273	20240
40°	25833	20271	19151
45°	25059	19212	18112
50°	24161	18115	17009
55°	23300	16909	15916
60°	22304	15638	14740
65°	21090	14251	13524
70°	19547	12748	12206
75°	17361	11096	10945
80°	14303	9442	9500
85°	9900	7851	8294



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	509.4	2.6
10°-20°	1465.2	7.6
20°-30°	2229.1	11.5
30°-40°	2710.3	14.0
40°-50°	2867.4	14.8
50°-60°	2687.8	13.9
60°-70°	2211.2	11.4
70°-80°	1530.0	7.9
80°-90°	850.8	4.4
90°-100°	560.5	2.9
100°-110°	502.6	2.6
110°-120°	416.0	2.2
120°-130°	321.6	1.7
130°-140°	227.7	1.2
140°-150°	137.3	0.7
150°-160°	66.0	0.3
160°-170°	21.6	0.1
170°-180°	2.6	0.0
0°-30°	4203.7	21.8
0°-40°	6914.0	35.8
0°-60°	12469.2	64.6
0°-90°	17061.2	88.3
90°-120°	1479.1	7.7
90°-150°	2165.6	11.2
90°-180°	2256.0	11.7
0°-180°	19317.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5366	5366	5366	5366	5366	
5°	5379	5369	5322	5366	5352	511
15°	5154	5170	5167	5236	5236	1453
25°	4704	4770	4826	4932	4936	2168
35°	4089	4198	4340	4479	4519	2559
45°	3361	3536	3751	3920	3966	2590
55°	2557	2785	3053	3245	3311	2289
65°	1730	1978	2286	2511	2580	1715
75°	900	1161	1502	1740	1836	954
85°	198	493	834	1065	1158	228
90°	3	278	589	810	890	13
95°	3	265	572	784	860	3
105°	3	228	536	738	804	3
115°	7	198	453	655	728	5
125°	7	169	387	559	628	6
135°	7	132	324	460	516	5
145°	7	96	225	347	390	4
155°	10	66	139	222	258	4
165°	10	43	76	102	132	3
175°	10	16	23	23	13	1
180°	7	7	7	7	7	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5365.5	5365.5	5365.5	5365.5	5365.5
2.5°	5401.9	5385.4	5329.1	5365.5	5349.0
5°	5378.7	5368.8	5322.5	5365.5	5352.3
7.5°	5342.4	5339.1	5302.7	5352.3	5339.1
10°	5292.7	5299.4	5269.6	5322.5	5312.6
12.5°	5229.9	5239.8	5226.6	5286.1	5279.5
15°	5153.8	5170.3	5167.0	5236.5	5236.5
17.5°	5061.2	5084.3	5097.6	5177.0	5177.0
20°	4952.0	4988.4	5014.9	5100.9	5114.1
22.5°	4842.9	4885.9	4925.6	5014.9	5034.7
25°	4703.9	4770.1	4826.3	4932.2	4935.5
27.5°	4568.3	4641.1	4717.2	4819.7	4829.6
30°	4419.4	4512.1	4604.7	4703.9	4733.7
32.5°	4260.7	4363.2	4465.7	4598.1	4637.8
35°	4088.6	4197.8	4340.0	4479.0	4518.7
37.5°	3916.6	4039.0	4204.4	4346.7	4383.1
40°	3741.3	3876.9	4062.2	4207.7	4250.7
42.5°	3546.1	3711.5	3910.0	4065.5	4115.1
45°	3360.9	3536.2	3751.2	3919.9	3966.2
47.5°	3165.7	3351.0	3582.5	3761.2	3814.1
50°	2957.3	3169.0	3417.1	3595.8	3645.4
52.5°	2762.1	2977.2	3238.5	3423.7	3493.2
55°	2557.1	2785.3	3053.2	3245.1	3311.3
57.5°	2365.2	2583.5	2871.3	3063.2	3145.9
60°	2146.9	2388.3	2676.1	2884.5	2950.7
62.5°	1941.8	2186.6	2484.3	2699.3	2775.4
65°	1730.1	1978.2	2285.8	2510.7	2580.2
67.5°	1531.6	1776.4	2090.6	2312.3	2401.6
70°	1313.3	1571.3	1892.2	2120.4	2196.5
72.5°	1098.2	1366.2	1693.7	1938.5	2024.5
75°	899.8	1161.1	1501.8	1740.0	1835.9
77.5°	707.9	972.5	1316.6	1561.4	1644.1
80°	516.0	793.9	1144.6	1386.0	1465.4
82.5°	340.7	631.8	979.2	1220.6	1306.6
85°	198.5	492.9	833.6	1065.2	1157.8
87.5°	86.0	373.8	698.0	926.2	1002.3
90°	3.3	277.9	588.8	810.5	889.8
92.5°	3.3	271.3	575.6	793.9	870.0
95°	3.3	264.6	572.3	784.0	860.1
97.5°	3.3	261.3	565.7	777.4	850.1
100°	3.3	251.4	555.7	764.1	836.9
102.5°	3.3	238.2	545.8	750.9	820.4
105°	3.3	228.2	535.9	737.7	803.8
107.5°	3.3	218.3	519.4	721.1	787.3
110°	3.3	208.4	492.9	704.6	770.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.3	205.1	473.0	681.4	750.9
115°	6.6	198.5	453.2	655.0	727.8
117.5°	6.6	195.2	436.7	628.5	704.6
120°	6.6	185.2	420.1	605.4	678.1
122.5°	6.6	175.3	403.6	582.2	655.0
125°	6.6	168.7	387.0	559.0	628.5
127.5°	6.6	158.8	373.8	535.9	598.7
130°	6.6	152.2	357.3	509.4	572.3
132.5°	6.6	142.2	340.7	483.0	542.5
135°	6.6	132.3	324.2	459.8	516.0
137.5°	6.6	119.1	304.3	433.3	486.3
140°	6.6	109.2	277.9	406.9	456.5
142.5°	6.6	102.5	251.4	377.1	423.4
145°	6.6	95.9	224.9	347.3	390.3
147.5°	6.6	89.3	201.8	317.6	357.3
150°	6.6	79.4	178.6	291.1	324.2
152.5°	9.9	72.8	158.8	258.0	291.1
155°	9.9	66.2	138.9	221.6	258.0
157.5°	9.9	59.5	119.1	185.2	224.9
160°	9.9	52.9	102.5	152.2	191.9
162.5°	9.9	49.6	89.3	125.7	162.1
165°	9.9	43.0	76.1	102.5	132.3
167.5°	9.9	33.1	62.9	79.4	109.2
170°	9.9	26.5	49.6	56.2	82.7
172.5°	9.9	19.8	36.4	39.7	43.0
175°	9.9	16.5	23.2	23.2	13.2
177.5°	9.9	13.2	13.2	13.2	6.6
180°	6.6	6.6	6.6	6.6	6.6

(END OF REPORT)