

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: P567717

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567717
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-L850-CD
Description: 8FT 20000 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

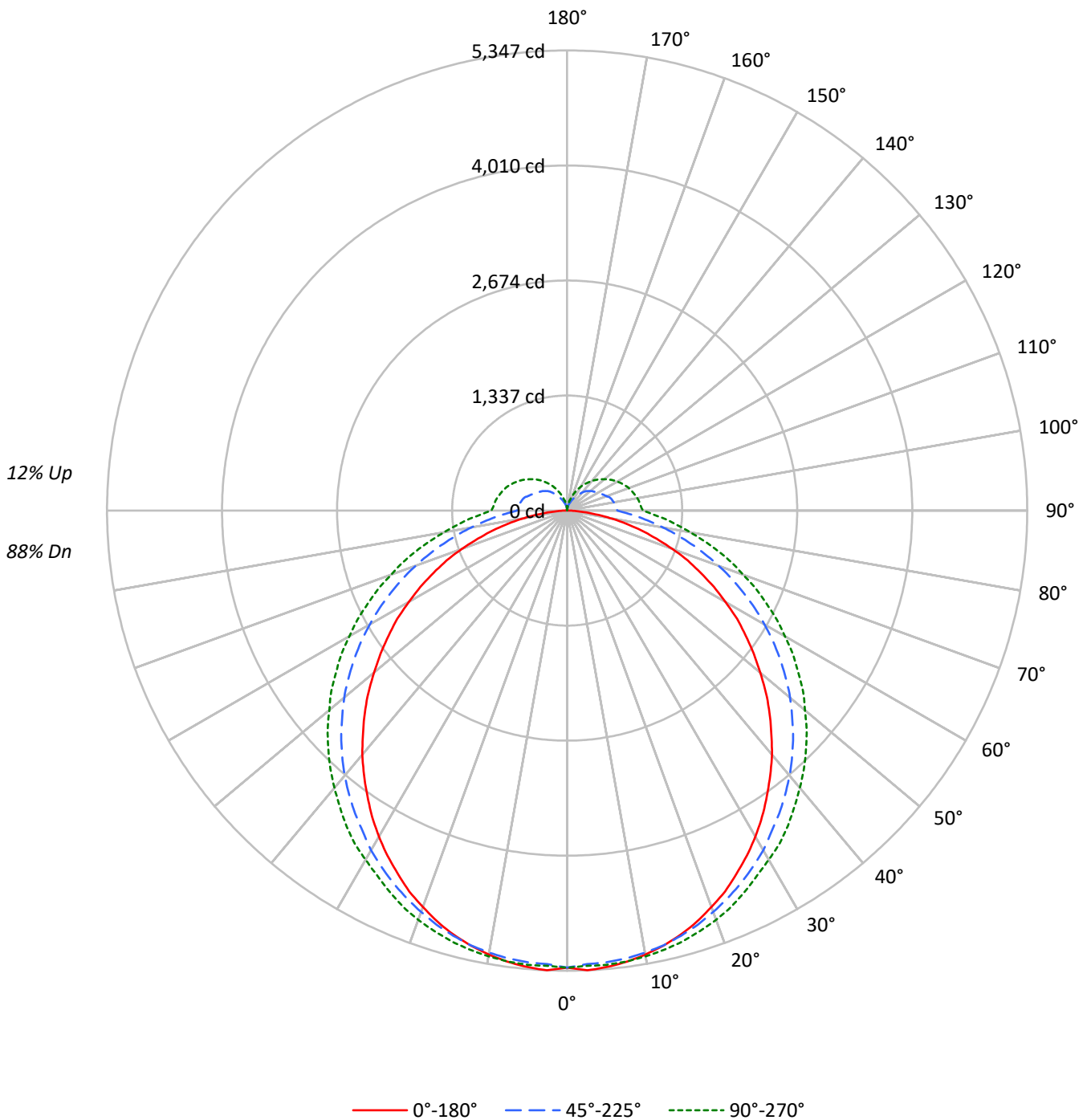
Lumens per Lamp: N/A
Luminaire Lumens: 19120.0 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

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

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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°	28583	28583	28583
5°	28736	27871	27813
10°	28578	27337	27148
15°	28344	26760	26520
20°	27967	26127	25866
25°	27516	25490	25120
30°	27023	24851	24434
35°	26397	24133	23843
40°	25793	23479	23119
45°	25060	22752	22433
50°	24210	21978	21646
55°	23402	21071	20862
60°	22470	20088	19960
65°	21332	18966	18998
70°	19888	17699	17891
75°	17829	16239	16877
80°	14952	14797	15594
85°	10848	13525	14759



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	504.2	2.6
10°-20°	1450.3	7.6
20°-30°	2206.3	11.5
30°-40°	2682.7	14.0
40°-50°	2838.2	14.8
50°-60°	2660.4	13.9
60°-70°	2188.7	11.4
70°-80°	1514.4	7.9
80°-90°	842.1	4.4
90°-100°	554.8	2.9
100°-110°	497.5	2.6
110°-120°	411.8	2.2
120°-130°	318.3	1.7
130°-140°	225.3	1.2
140°-150°	135.9	0.7
150°-160°	65.3	0.3
160°-170°	21.4	0.1
170°-180°	2.6	0.0
0°-30°	4160.8	21.8
0°-40°	6843.5	35.8
0°-60°	12342.1	64.6
0°-90°	16887.2	88.3
90°-120°	1464.0	7.7
90°-150°	2143.5	11.2
90°-180°	2233.0	11.7
0°-180°	19120.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5311	5311	5311	5311	5311	
5°	5324	5314	5268	5311	5298	505
15°	5101	5118	5114	5183	5183	1438
25°	4656	4721	4777	4882	4885	2146
35°	4047	4155	4296	4433	4473	2533
45°	3327	3500	3713	3880	3926	2564
55°	2531	2757	3022	3212	3278	2266
65°	1712	1958	2262	2485	2554	1698
75°	891	1149	1486	1722	1817	945
85°	196	488	825	1054	1146	226
90°	3	275	583	802	881	13
95°	3	262	566	776	851	3
105°	3	226	530	730	796	3
115°	6	196	449	648	720	5
125°	6	167	383	553	622	6
135°	6	131	321	455	511	5
145°	6	95	223	344	386	4
155°	10	66	138	219	255	4
165°	10	43	75	102	131	3
175°	10	16	23	23	13	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5310.8	5310.8	5310.8	5310.8	5310.8
2.5°	5346.8	5330.4	5274.8	5310.8	5294.4
5°	5323.9	5314.1	5268.2	5310.8	5297.7
7.5°	5287.9	5284.6	5248.6	5297.7	5284.6
10°	5238.8	5245.3	5215.8	5268.2	5258.4
12.5°	5176.6	5186.4	5173.3	5232.2	5225.7
15°	5101.2	5117.6	5114.3	5183.1	5183.1
17.5°	5009.6	5032.5	5045.6	5124.2	5124.2
20°	4901.5	4937.5	4963.7	5048.9	5062.0
22.5°	4793.5	4836.0	4875.3	4963.7	4983.4
25°	4656.0	4721.4	4777.1	4881.9	4885.1
27.5°	4521.7	4593.7	4669.0	4770.5	4780.4
30°	4374.4	4466.0	4557.7	4656.0	4685.4
32.5°	4217.2	4318.7	4420.2	4551.2	4590.5
35°	4046.9	4155.0	4295.8	4433.3	4472.6
37.5°	3876.7	3997.8	4161.5	4302.3	4338.4
40°	3703.2	3837.4	4020.8	4164.8	4207.4
42.5°	3510.0	3673.7	3870.1	4024.0	4073.1
45°	3326.6	3500.1	3713.0	3880.0	3925.8
47.5°	3133.4	3316.8	3546.0	3722.8	3775.2
50°	2927.2	3136.7	3382.3	3559.1	3608.2
52.5°	2734.0	2946.8	3205.5	3388.8	3457.6
55°	2531.0	2756.9	3022.1	3212.0	3277.5
57.5°	2341.1	2557.2	2842.0	3031.9	3113.8
60°	2125.0	2364.0	2648.8	2855.1	2920.6
62.5°	1922.0	2164.3	2458.9	2671.8	2747.1
65°	1712.4	1958.0	2262.5	2485.1	2553.9
67.5°	1516.0	1758.3	2069.3	2288.7	2377.1
70°	1299.9	1555.3	1872.9	2098.8	2174.1
72.5°	1087.0	1352.3	1676.4	1918.7	2003.8
75°	890.6	1149.3	1486.5	1722.2	1817.2
77.5°	700.7	962.6	1303.1	1545.4	1627.3
80°	510.8	785.8	1132.9	1371.9	1450.5
82.5°	337.2	625.4	969.2	1208.2	1293.3
85°	196.5	487.9	825.1	1054.3	1146.0
87.5°	85.1	370.0	690.9	916.8	992.1
90°	3.3	275.0	582.8	802.2	880.8
92.5°	3.3	268.5	569.7	785.8	861.1
95°	3.3	261.9	566.4	776.0	851.3
97.5°	3.3	258.7	559.9	769.4	841.5
100°	3.3	248.8	550.1	756.3	828.4
102.5°	3.3	235.7	540.2	743.2	812.0
105°	3.3	225.9	530.4	730.2	795.6
107.5°	3.3	216.1	514.1	713.8	779.3
110°	3.3	206.3	487.9	697.4	762.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.3	203.0	468.2	674.5	743.2
115°	6.5	196.5	448.6	648.3	720.3
117.5°	6.5	193.2	432.2	622.1	697.4
120°	6.5	183.4	415.8	599.2	671.2
122.5°	6.5	173.5	399.5	576.3	648.3
125°	6.5	167.0	383.1	553.3	622.1
127.5°	6.5	157.2	370.0	530.4	592.6
130°	6.5	150.6	353.6	504.2	566.4
132.5°	6.5	140.8	337.2	478.0	537.0
135°	6.5	131.0	320.9	455.1	510.8
137.5°	6.5	117.9	301.2	428.9	481.3
140°	6.5	108.0	275.0	402.7	451.8
142.5°	6.5	101.5	248.8	373.3	419.1
145°	6.5	95.0	222.6	343.8	386.4
147.5°	6.5	88.4	199.7	314.3	353.6
150°	6.5	78.6	176.8	288.1	320.9
152.5°	9.8	72.0	157.2	255.4	288.1
155°	9.8	65.5	137.5	219.4	255.4
157.5°	9.8	58.9	117.9	183.4	222.6
160°	9.8	52.4	101.5	150.6	189.9
162.5°	9.8	49.1	88.4	124.4	160.4
165°	9.8	42.6	75.3	101.5	131.0
167.5°	9.8	32.7	62.2	78.6	108.0
170°	9.8	26.2	49.1	55.7	81.9
172.5°	9.8	19.6	36.0	39.3	42.6
175°	9.8	16.4	22.9	22.9	13.1
177.5°	9.8	13.1	13.1	13.1	6.5
180°	6.5	6.5	6.5	6.5	6.5

(END OF REPORT)