

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: P567704

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567704
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-L940-CD
Description: 8FT 20000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

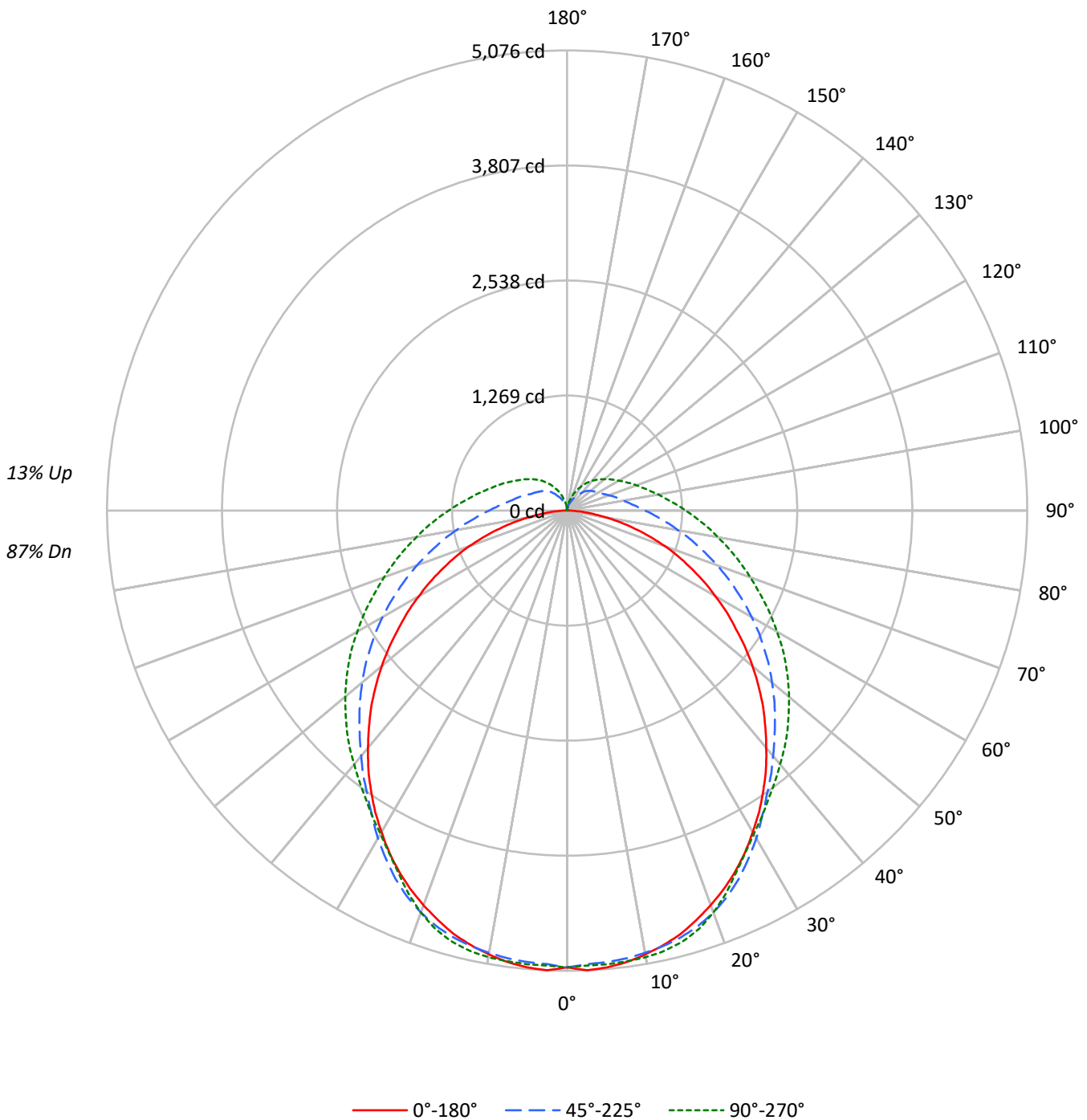
Lumens per Lamp: N/A
Luminaire Lumens: 18190.1 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.35
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

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

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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	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°	27120	27120	27120
5°	27274	25905	25644
10°	27068	24929	24460
15°	26792	24005	23267
20°	26329	22961	21747
25°	25827	21691	19963
30°	25148	20262	18474
35°	24423	18804	17363
40°	23593	17635	16464
45°	22786	16599	15688
50°	21819	15645	14906
55°	20682	14688	14141
60°	19607	13732	13341
65°	18421	12767	12607
70°	17075	11863	11944
75°	14934	10983	11398
80°	12138	10227	10936
85°	8768	9701	10670



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	478.7	2.6
10°-20°	1376.3	7.6
20°-30°	2049.4	11.3
30°-40°	2418.2	13.3
40°-50°	2521.9	13.9
50°-60°	2370.0	13.0
60°-70°	2001.5	11.0
70°-80°	1512.2	8.3
80°-90°	1042.4	5.7
90°-100°	729.5	4.0
100°-110°	544.4	3.0
110°-120°	410.4	2.3
120°-130°	306.1	1.7
130°-140°	214.8	1.2
140°-150°	129.9	0.7
150°-160°	62.1	0.3
160°-170°	19.9	0.1
170°-180°	2.4	0.0
0°-30°	3904.4	21.5
0°-40°	6322.6	34.8
0°-60°	11214.5	61.7
0°-90°	15770.7	86.7
90°-120°	1684.2	9.3
90°-150°	2335.0	12.8
90°-180°	2419.0	13.3
0°-180°	18190.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5039	5039	5039	5039	5039	
5°	5058	5048	4999	5036	5024	480
15°	4835	4857	4869	4931	4922	1362
25°	4391	4481	4481	4441	4407	2020
35°	3772	3910	3836	3867	3876	2359
45°	3056	3207	3241	3374	3435	2354
55°	2270	2464	2652	2865	2942	2037
65°	1511	1752	2048	2316	2405	1501
75°	774	1073	1486	1798	1912	824
85°	176	552	1030	1369	1490	197
90°	3	392	860	1190	1308	12
95°	3	305	728	1042	1150	3
105°	6	219	561	814	907	6
115°	6	188	435	648	731	7
125°	9	160	367	530	598	8
135°	9	123	305	432	484	7
145°	12	89	213	330	370	7
155°	12	59	130	210	244	6
165°	15	37	68	92	123	4
175°	15	15	18	18	9	1
180°	9	9	9	9	9	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5039.0	5039.0	5039.0	5039.0	5039.0
2.5°	5076.0	5063.6	5008.1	5039.0	5023.5
5°	5057.5	5048.2	4998.9	5035.9	5023.5
7.5°	5023.5	5020.5	4983.5	5026.6	5014.3
10°	4971.1	4980.4	4952.6	5011.2	5002.0
12.5°	4909.4	4928.0	4918.7	4983.5	4974.2
15°	4835.4	4857.0	4869.4	4931.0	4921.8
17.5°	4736.8	4776.8	4804.6	4853.9	4838.5
20°	4631.9	4687.4	4718.3	4742.9	4718.3
22.5°	4517.8	4591.8	4610.3	4598.0	4573.3
25°	4391.4	4480.8	4480.8	4440.7	4406.8
27.5°	4249.5	4360.5	4329.7	4283.4	4255.7
30°	4095.3	4227.9	4175.5	4123.1	4116.9
32.5°	3941.1	4079.9	4002.8	3990.5	3999.7
35°	3771.5	3910.3	3836.3	3867.1	3876.4
37.5°	3601.9	3740.7	3691.3	3737.6	3765.3
40°	3416.9	3564.9	3534.1	3617.3	3654.3
42.5°	3234.9	3389.1	3386.0	3494.0	3549.5
45°	3056.1	3207.2	3241.1	3373.7	3435.4
47.5°	2861.8	3016.0	3099.2	3253.4	3315.1
50°	2670.6	2837.1	2951.2	3123.9	3194.8
52.5°	2473.2	2649.0	2806.3	2997.5	3071.5
55°	2269.7	2464.0	2652.1	2864.9	2942.0
57.5°	2087.7	2285.1	2507.1	2726.1	2815.5
60°	1887.3	2106.3	2349.9	2581.2	2670.6
62.5°	1705.4	1930.5	2201.9	2445.5	2541.1
65°	1511.1	1751.6	2047.7	2316.0	2405.4
67.5°	1332.2	1578.9	1902.7	2174.1	2272.8
70°	1147.2	1409.3	1760.9	2047.7	2149.4
72.5°	956.0	1233.5	1619.0	1924.3	2029.2
75°	774.0	1073.2	1486.4	1797.9	1912.0
77.5°	604.4	919.0	1366.1	1686.9	1797.9
80°	437.9	780.2	1239.7	1572.8	1686.9
82.5°	289.9	659.9	1137.9	1471.0	1591.3
85°	175.8	552.0	1030.0	1369.2	1489.5
87.5°	80.2	462.6	943.7	1279.8	1397.0
90°	3.1	391.6	860.4	1190.4	1307.5
92.5°	3.1	342.3	792.5	1113.3	1227.4
95°	3.1	305.3	727.8	1042.3	1150.3
97.5°	3.1	280.6	678.4	974.5	1079.3
100°	3.1	256.0	629.1	912.8	1020.7
102.5°	6.2	234.4	592.1	857.3	959.1
105°	6.2	219.0	561.3	814.1	906.6
107.5°	6.2	209.7	527.3	771.0	857.3
110°	6.2	200.4	490.3	727.8	814.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	6.2	194.3	462.6	690.8	774.0
115°	6.2	188.1	434.8	647.6	730.9
117.5°	6.2	185.0	419.4	613.7	693.9
120°	9.3	175.8	400.9	582.8	659.9
122.5°	9.3	166.5	382.4	558.2	626.0
125°	9.3	160.4	367.0	530.4	598.3
127.5°	9.3	151.1	351.6	505.7	567.4
130°	9.3	141.9	339.2	481.1	539.7
132.5°	9.3	132.6	323.8	456.4	511.9
135°	9.3	123.4	305.3	431.7	484.2
137.5°	9.3	114.1	286.8	407.1	456.4
140°	9.3	104.9	262.1	382.4	428.7
142.5°	9.3	95.6	237.5	357.7	397.8
145°	12.3	89.4	212.8	330.0	370.1
147.5°	12.3	80.2	188.1	302.2	336.1
150°	12.3	74.0	169.6	274.5	305.3
152.5°	12.3	64.8	151.1	243.6	274.5
155°	12.3	58.6	129.5	209.7	243.6
157.5°	12.3	52.4	111.0	175.8	212.8
160°	12.3	49.3	95.6	144.9	181.9
162.5°	15.4	43.2	80.2	117.2	151.1
165°	15.4	37.0	67.8	92.5	123.4
167.5°	15.4	30.8	55.5	70.9	95.6
170°	15.4	24.7	43.2	49.3	74.0
172.5°	15.4	18.5	30.8	33.9	37.0
175°	15.4	15.4	18.5	18.5	9.3
177.5°	15.4	15.4	12.3	9.3	3.1
180°	9.3	9.3	9.3	9.3	9.3

(END OF REPORT)