

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: P567716

Luminaire Tested: **8SNX-200HL-SLW-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567716
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-L840-CD
Description: 8FT 20000 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

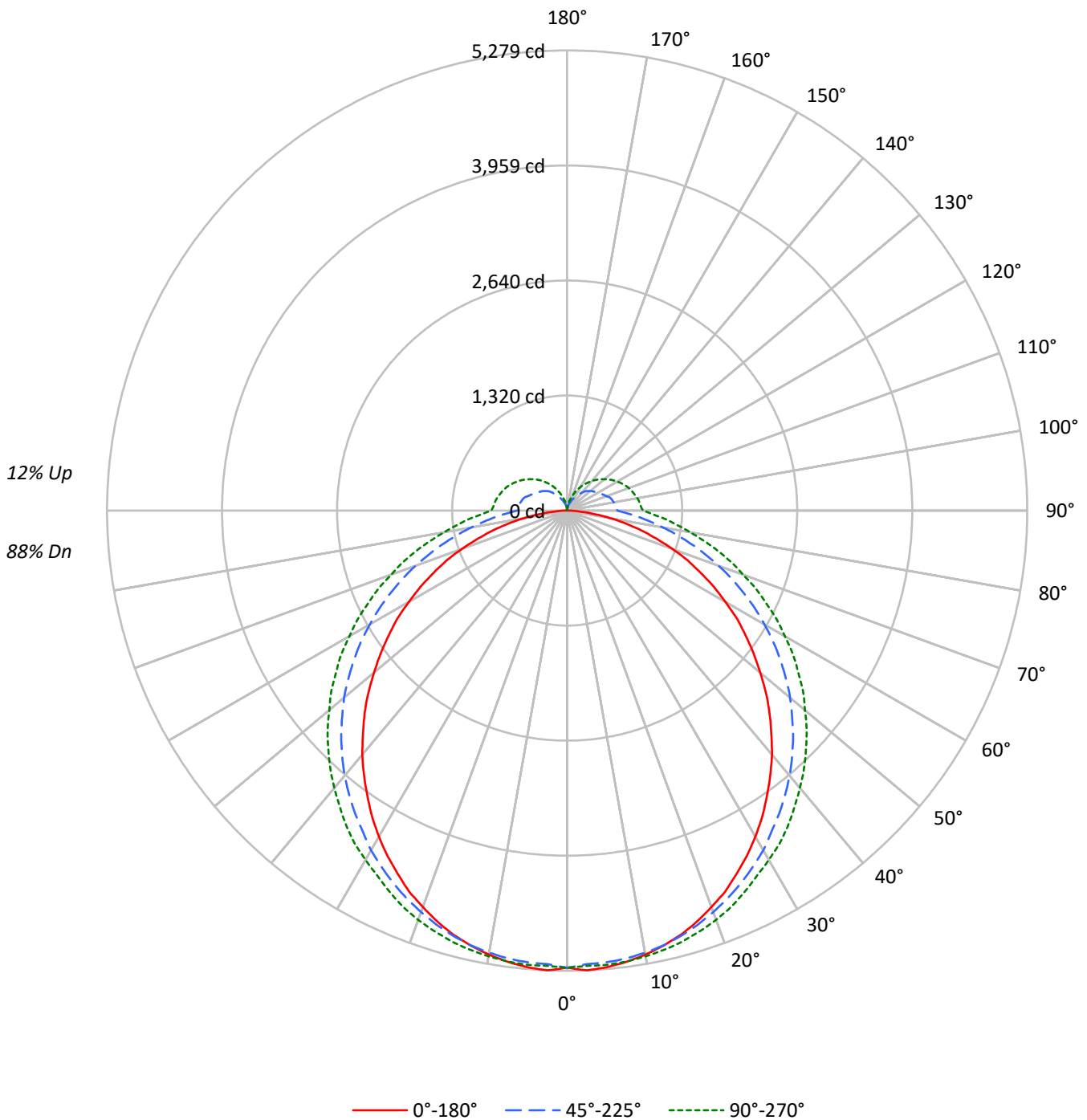
Lumens per Lamp: N/A
Luminaire Lumens: 18879.0 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

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°	28222	28222	28222
5°	28374	27520	27462
10°	28217	26993	26806
15°	27987	26423	26186
20°	27614	25798	25540
25°	27169	25169	24804
30°	26682	24538	24126
35°	26064	23829	23542
40°	25468	23183	22827
45°	24744	22466	22150
50°	23904	21701	21373
55°	23107	20806	20599
60°	22186	19836	19708
65°	21063	18727	18758
70°	19637	17476	17666
75°	17605	16034	16664
80°	14761	14610	15397
85°	10710	13354	14572



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	497.8	2.6
10°-20°	1432.0	7.6
20°-30°	2178.5	11.5
30°-40°	2648.8	14.0
40°-50°	2802.4	14.8
50°-60°	2626.9	13.9
60°-70°	2161.1	11.4
70°-80°	1495.3	7.9
80°-90°	831.5	4.4
90°-100°	547.8	2.9
100°-110°	491.2	2.6
110°-120°	406.6	2.2
120°-130°	314.3	1.7
130°-140°	222.5	1.2
140°-150°	134.2	0.7
150°-160°	64.5	0.3
160°-170°	21.1	0.1
170°-180°	2.6	0.0
0°-30°	4108.4	21.8
0°-40°	6757.2	35.8
0°-60°	12186.5	64.6
0°-90°	16674.3	88.3
90°-120°	1445.5	7.7
90°-150°	2116.5	11.2
90°-180°	2205.0	11.7
0°-180°	18879.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5244	5244	5244	5244	5244	
5°	5257	5247	5202	5244	5231	499
15°	5037	5053	5050	5118	5118	1420
25°	4597	4662	4717	4820	4824	2119
35°	3996	4103	4242	4377	4416	2501
45°	3285	3456	3666	3831	3876	2532
55°	2499	2722	2984	3172	3236	2237
65°	1691	1933	2234	2454	2522	1676
75°	879	1135	1468	1700	1794	933
85°	194	482	815	1041	1132	223
90°	3	272	576	792	870	13
95°	3	259	559	766	841	3
105°	3	223	524	721	786	3
115°	6	194	443	640	711	5
125°	6	165	378	546	614	6
135°	6	129	317	449	504	5
145°	6	94	220	340	382	4
155°	10	65	136	217	252	4
165°	10	42	74	100	129	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°	5243.9	5243.9	5243.9	5243.9	5243.9
2.5°	5279.4	5263.3	5208.3	5243.9	5227.7
5°	5256.8	5247.1	5201.8	5243.9	5230.9
7.5°	5221.2	5218.0	5182.4	5230.9	5218.0
10°	5172.7	5179.2	5150.1	5201.8	5192.1
12.5°	5111.3	5121.0	5108.1	5166.3	5159.8
15°	5036.9	5053.1	5049.9	5117.8	5117.8
17.5°	4946.4	4969.1	4982.0	5059.6	5059.6
20°	4839.7	4875.3	4901.2	4985.2	4998.2
22.5°	4733.0	4775.1	4813.9	4901.2	4920.6
25°	4597.3	4661.9	4716.9	4820.3	4823.6
27.5°	4464.7	4535.8	4610.2	4710.4	4720.1
30°	4319.2	4409.8	4500.3	4597.3	4626.4
32.5°	4164.0	4264.3	4364.5	4493.8	4532.6
35°	3995.9	4102.6	4241.6	4377.4	4416.2
37.5°	3827.8	3947.4	4109.1	4248.1	4283.7
40°	3656.5	3789.0	3970.1	4112.3	4154.3
42.5°	3465.7	3627.4	3821.4	3973.3	4021.8
45°	3284.7	3456.0	3666.2	3831.1	3876.3
47.5°	3093.9	3275.0	3501.3	3675.9	3727.6
50°	2890.3	3097.2	3339.6	3514.2	3562.7
52.5°	2699.5	2909.7	3165.1	3346.1	3414.0
55°	2499.1	2722.1	2984.0	3171.5	3236.2
57.5°	2311.6	2524.9	2806.2	2993.7	3074.5
60°	2098.2	2334.2	2615.5	2819.1	2883.8
62.5°	1897.7	2137.0	2428.0	2638.1	2712.5
65°	1690.8	1933.3	2234.0	2453.8	2521.7
67.5°	1496.9	1736.1	2043.2	2259.8	2347.1
70°	1283.5	1535.7	1849.3	2072.3	2146.7
72.5°	1073.3	1335.2	1655.3	1894.5	1978.6
75°	879.4	1134.8	1467.8	1700.5	1794.3
77.5°	691.9	950.5	1286.7	1526.0	1606.8
80°	504.3	775.9	1118.6	1354.6	1432.2
82.5°	333.0	617.5	957.0	1193.0	1277.0
85°	194.0	481.7	814.7	1041.0	1131.5
87.5°	84.1	365.3	682.2	905.2	979.6
90°	3.2	271.6	575.5	792.1	869.7
92.5°	3.2	265.1	562.5	775.9	850.3
95°	3.2	258.6	559.3	766.2	840.6
97.5°	3.2	255.4	552.8	759.7	830.9
100°	3.2	245.7	543.1	746.8	817.9
102.5°	3.2	232.8	533.4	733.9	801.8
105°	3.2	223.1	523.7	720.9	785.6
107.5°	3.2	213.4	507.6	704.8	769.4
110°	3.2	203.7	481.7	688.6	753.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.2	200.4	462.3	666.0	733.9
115°	6.5	194.0	442.9	640.1	711.3
117.5°	6.5	190.7	426.8	614.3	688.6
120°	6.5	181.0	410.6	591.6	662.8
122.5°	6.5	171.3	394.4	569.0	640.1
125°	6.5	164.9	378.3	546.4	614.3
127.5°	6.5	155.2	365.3	523.7	585.2
130°	6.5	148.7	349.2	497.9	559.3
132.5°	6.5	139.0	333.0	472.0	530.2
135°	6.5	129.3	316.8	449.4	504.3
137.5°	6.5	116.4	297.4	423.5	475.2
140°	6.5	106.7	271.6	397.7	446.1
142.5°	6.5	100.2	245.7	368.6	413.8
145°	6.5	93.8	219.8	339.5	381.5
147.5°	6.5	87.3	197.2	310.4	349.2
150°	6.5	77.6	174.6	284.5	316.8
152.5°	9.7	71.1	155.2	252.2	284.5
155°	9.7	64.7	135.8	216.6	252.2
157.5°	9.7	58.2	116.4	181.0	219.8
160°	9.7	51.7	100.2	148.7	187.5
162.5°	9.7	48.5	87.3	122.9	158.4
165°	9.7	42.0	74.4	100.2	129.3
167.5°	9.7	32.3	61.4	77.6	106.7
170°	9.7	25.9	48.5	55.0	80.8
172.5°	9.7	19.4	35.6	38.8	42.0
175°	9.7	16.2	22.6	22.6	12.9
177.5°	9.7	12.9	12.9	12.9	6.5
180°	6.5	6.5	6.5	6.5	6.5

(END OF REPORT)