

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: P567725

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567725
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-17)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-200HL-UNV-L850-CD
Description: 8FT 20000 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

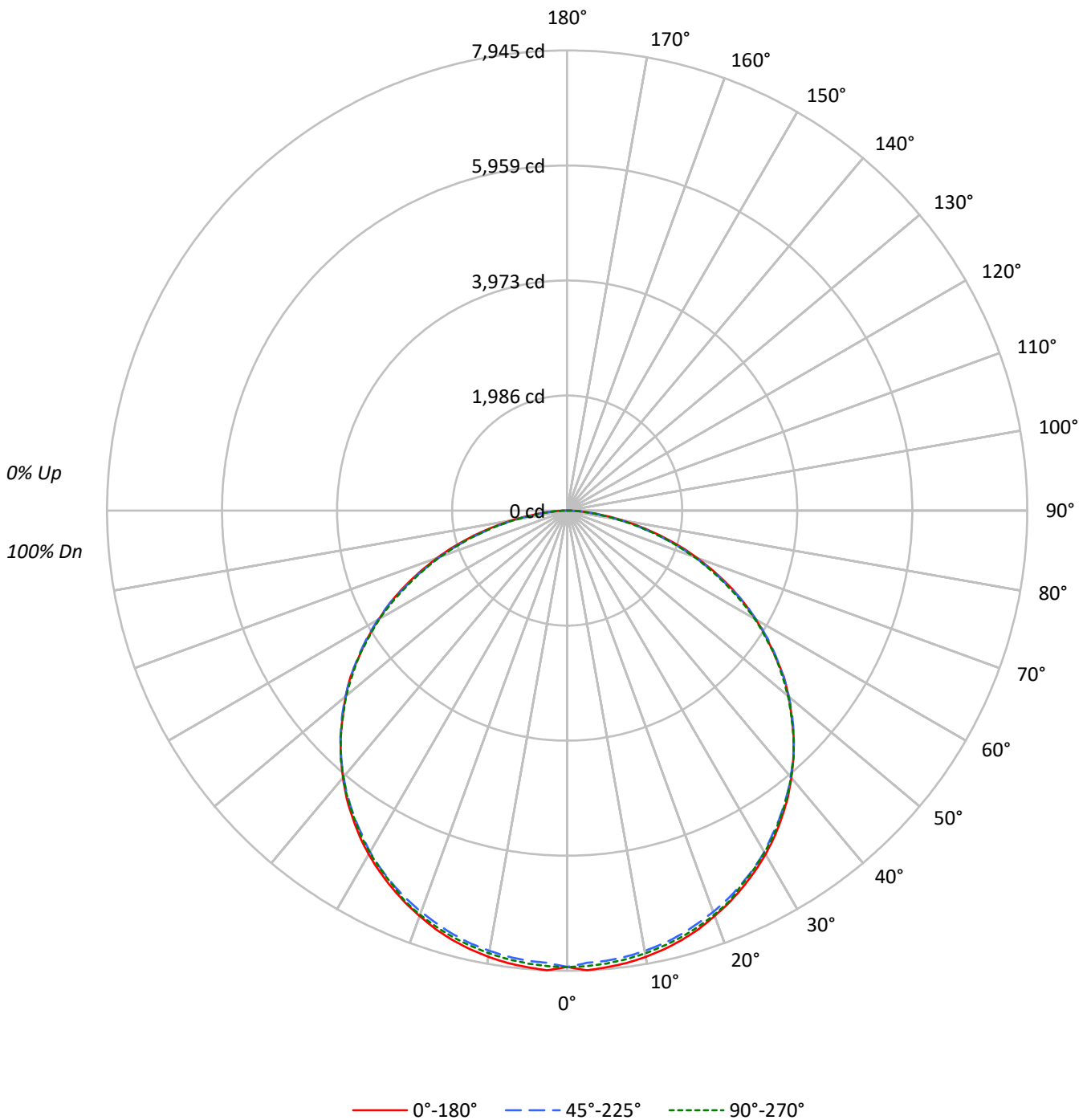
Lumens per Lamp: N/A
Luminaire Lumens: 23584.0 lumens
Efficiency: N/A
Efficacy: 162.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91		93	91	88		90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53		64	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46		57	50	45		55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40		51	45	39		50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35		47	40	35		45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25		36	30	25		36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	42402	42402	42402
5°	42745	42150	42402
10°	42765	42182	42419
15°	42746	42226	42468
20°	42660	42221	42527
25°	42608	42271	42351
30°	42580	42311	42352
35°	42475	42213	42278
40°	42305	42211	42235
45°	42075	42151	42075
50°	41791	41874	41652
55°	41140	41359	41140
60°	40446	40626	40267
65°	39445	38979	38553
70°	37566	36726	36620
75°	34666	33003	33140
80°	29658	27798	28316
85°	22033	21619	20174



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	747.7	3.2
10°-20°	2154.3	9.1
20°-30°	3298.1	14.0
30°-40°	4034.5	17.1
40°-50°	4267.2	18.1
50°-60°	3931.8	16.7
60°-70°	3026.1	12.8
70°-80°	1700.1	7.2
80°-90°	424.1	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	6200.1	26.3
0°-40°	10234.6	43.4
0°-60°	18433.6	78.2
0°-90°	23584.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23584.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7879	7879	7879	7879	7879	
5°	7912	7889	7802	7872	7849	753
15°	7672	7652	7578	7645	7622	2166
25°	7175	7168	7118	7168	7132	3309
35°	6465	6455	6425	6455	6435	4046
45°	5528	5545	5538	5525	5528	4263
55°	4384	4424	4408	4394	4384	3927
65°	3097	3104	3061	3017	3027	3055
75°	1667	1640	1587	1564	1594	1756
85°	357	350	350	340	327	440
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7878.6	7878.6	7878.6	7878.6	7878.6
2.5°	7945.3	7901.9	7815.3	7891.9	7871.9
5°	7912.0	7888.6	7801.9	7871.9	7848.6
7.5°	7878.6	7851.9	7768.6	7845.3	7811.9
10°	7825.3	7801.9	7718.6	7791.9	7761.9
12.5°	7755.2	7735.2	7658.6	7728.6	7698.6
15°	7671.9	7651.9	7578.5	7645.2	7621.9
17.5°	7571.9	7548.5	7478.5	7548.5	7531.9
20°	7448.5	7435.2	7371.8	7435.2	7425.2
22.5°	7321.8	7305.1	7255.1	7301.8	7305.1
25°	7175.1	7168.4	7118.4	7168.4	7131.8
27.5°	7021.7	7021.7	6971.7	7005.1	6981.7
30°	6851.7	6848.4	6808.3	6825.0	6815.0
32.5°	6668.3	6665.0	6611.6	6655.0	6638.3
35°	6464.9	6454.9	6424.9	6454.9	6434.9
37.5°	6254.9	6244.9	6221.5	6238.2	6234.9
40°	6021.5	6021.5	6008.1	6021.5	6011.5
42.5°	5781.4	5791.4	5774.8	5788.1	5788.1
45°	5528.0	5544.7	5538.0	5524.7	5528.0
47.5°	5258.0	5288.0	5271.3	5268.0	5251.3
50°	4991.2	5017.9	5001.2	4984.6	4974.6
52.5°	4714.5	4727.8	4707.8	4701.2	4677.8
55°	4384.4	4424.4	4407.8	4394.4	4384.4
57.5°	4081.0	4111.0	4097.7	4071.0	4054.3
60°	3757.6	3780.9	3774.3	3744.3	3740.9
62.5°	3440.8	3447.5	3440.8	3387.5	3390.8
65°	3097.4	3104.1	3060.8	3017.4	3027.4
67.5°	2737.3	2757.3	2697.3	2634.0	2677.3
70°	2387.3	2380.6	2333.9	2263.9	2327.2
72.5°	2027.2	2020.5	1967.2	1917.1	1960.5
75°	1667.1	1640.4	1587.1	1563.7	1593.7
77.5°	1293.7	1263.6	1240.3	1223.6	1237.0
80°	956.9	916.9	896.9	883.6	913.6
82.5°	636.8	606.8	596.8	606.8	600.1
85°	356.8	350.1	350.1	340.1	326.7
87.5°	146.7	153.4	156.7	153.4	146.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)