

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: P567727

Luminaire Tested: **8SNX-200HL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567727
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-L935-CD
Description: 8FT 20000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

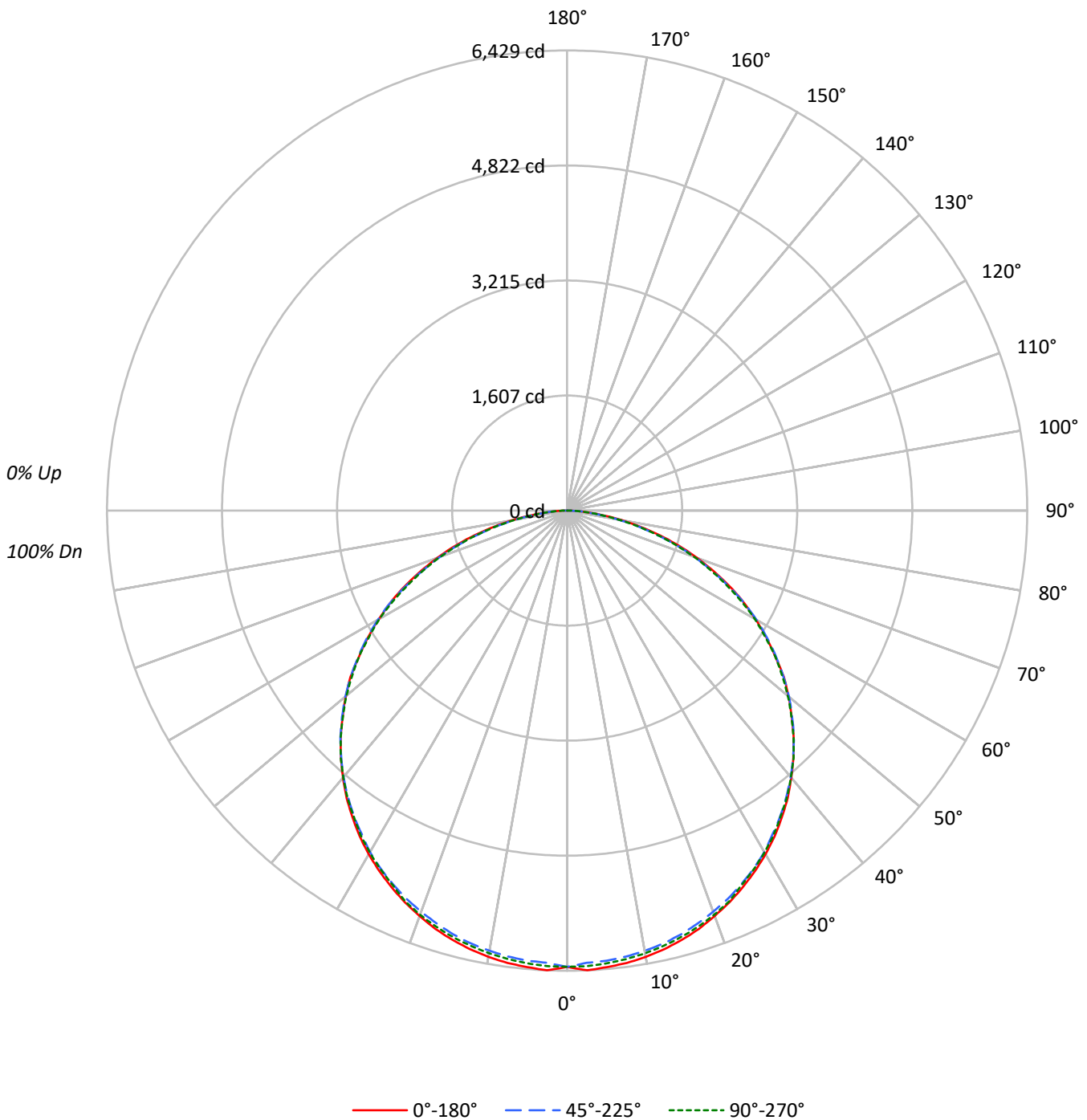
Lumens per Lamp: N/A
Luminaire Lumens: 19082.0 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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°	34308	34308	34308
5°	34585	34104	34308
10°	34602	34130	34321
15°	34586	34166	34361
20°	34517	34161	34409
25°	34474	34202	34267
30°	34452	34234	34268
35°	34367	34155	34208
40°	34229	34153	34172
45°	34044	34105	34044
50°	33813	33881	33701
55°	33287	33463	33287
60°	32726	32871	32580
65°	31916	31538	31194
70°	30394	29715	29630
75°	28047	26702	26814
80°	23995	22492	22910
85°	17828	17494	16327



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	605.0	3.2
10°-20°	1743.1	9.1
20°-30°	2668.5	14.0
30°-40°	3264.3	17.1
40°-50°	3452.6	18.1
50°-60°	3181.3	16.7
60°-70°	2448.5	12.8
70°-80°	1375.6	7.2
80°-90°	343.2	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°	5016.6	26.3
0°-40°	8280.9	43.4
0°-60°	14914.8	78.2
0°-90°	19082.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19082.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6375	6375	6375	6375	6375	
5°	6402	6383	6313	6369	6350	609
15°	6207	6191	6132	6186	6167	1752
25°	5805	5800	5760	5800	5770	2678
35°	5231	5223	5198	5223	5206	3273
45°	4473	4486	4481	4470	4473	3449
55°	3548	3580	3566	3556	3548	3177
65°	2506	2512	2476	2441	2450	2472
75°	1349	1327	1284	1265	1290	1421
85°	289	283	283	275	264	356
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6374.6	6374.6	6374.6	6374.6	6374.6
2.5°	6428.6	6393.5	6323.4	6385.4	6369.3
5°	6401.6	6382.7	6312.6	6369.3	6350.4
7.5°	6374.6	6353.1	6285.6	6347.7	6320.7
10°	6331.5	6312.6	6245.2	6304.5	6280.2
12.5°	6274.8	6258.6	6196.6	6253.2	6229.0
15°	6207.4	6191.2	6131.9	6185.8	6166.9
17.5°	6126.5	6107.6	6050.9	6107.6	6094.1
20°	6026.6	6015.9	5964.6	6015.9	6007.8
22.5°	5924.1	5910.6	5870.2	5907.9	5910.6
25°	5805.4	5800.0	5759.6	5800.0	5770.4
27.5°	5681.3	5681.3	5640.9	5667.9	5649.0
30°	5543.8	5541.1	5508.7	5522.2	5514.1
32.5°	5395.4	5392.7	5349.5	5384.6	5371.1
35°	5230.8	5222.7	5198.5	5222.7	5206.5
37.5°	5060.9	5052.8	5033.9	5047.4	5044.7
40°	4872.0	4872.0	4861.2	4872.0	4863.9
42.5°	4677.8	4685.9	4672.4	4683.2	4683.2
45°	4472.8	4486.3	4480.9	4470.1	4472.8
47.5°	4254.3	4278.5	4265.1	4262.4	4248.9
50°	4038.4	4060.0	4046.5	4033.0	4025.0
52.5°	3814.5	3825.3	3809.1	3803.7	3784.9
55°	3547.5	3579.8	3566.3	3555.6	3547.5
57.5°	3302.0	3326.3	3315.5	3293.9	3280.4
60°	3040.3	3059.2	3053.8	3029.5	3026.8
62.5°	2784.0	2789.4	2784.0	2740.9	2743.6
65°	2506.2	2511.6	2476.5	2441.4	2449.5
67.5°	2214.8	2231.0	2182.4	2131.2	2166.2
70°	1931.5	1926.2	1888.4	1831.7	1883.0
72.5°	1640.2	1634.8	1591.6	1551.2	1586.2
75°	1348.8	1327.3	1284.1	1265.2	1289.5
77.5°	1046.7	1022.4	1003.5	990.1	1000.8
80°	774.2	741.9	725.7	714.9	739.2
82.5°	515.3	491.0	482.9	491.0	485.6
85°	288.7	283.3	283.3	275.2	264.4
87.5°	118.7	124.1	126.8	124.1	118.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)