

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: P567726

Luminaire Tested: **8SNX-200HL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567726
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-L930-CD
Description: 8FT 20000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

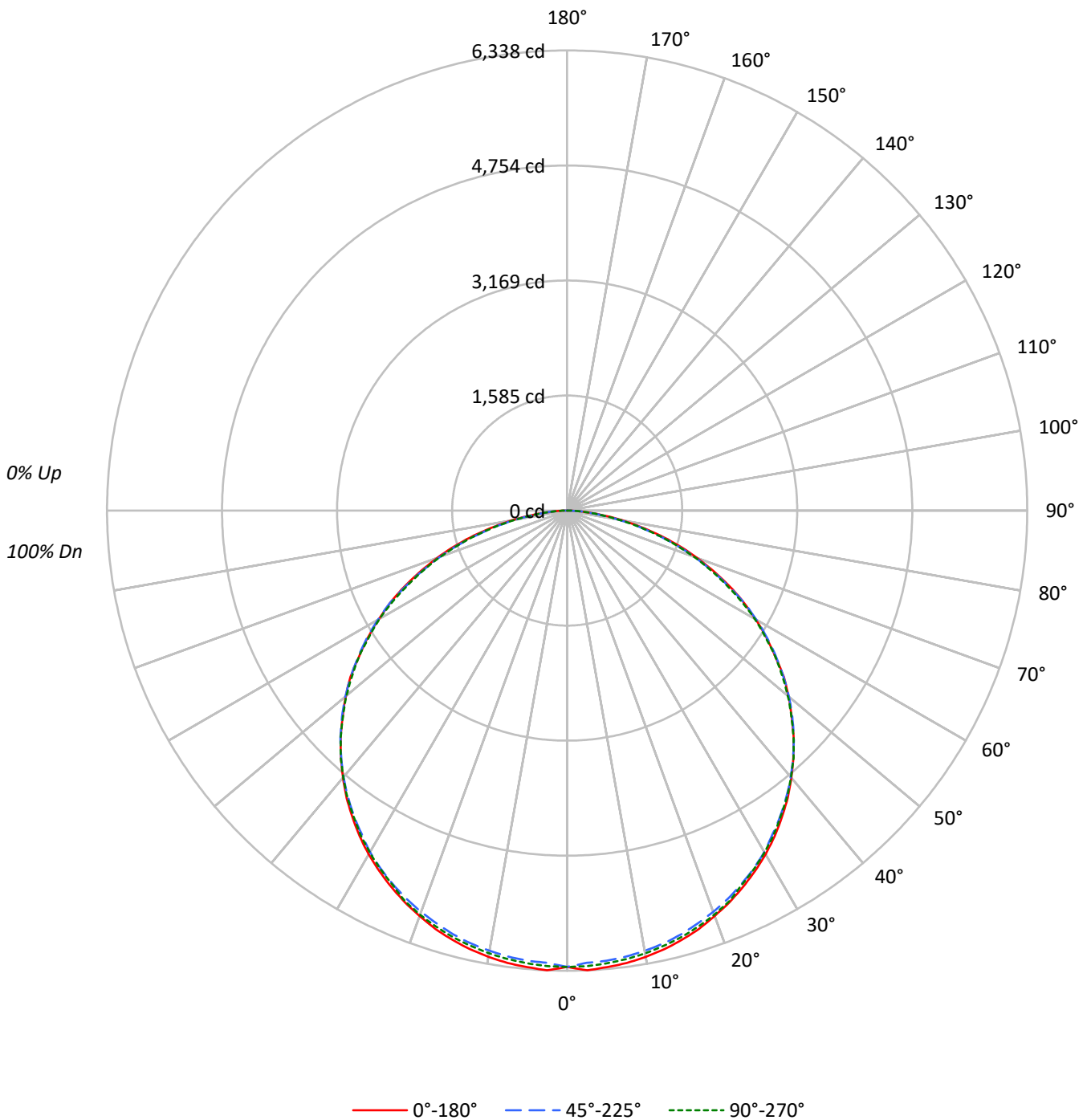
Lumens per Lamp: N/A
Luminaire Lumens: 18813.0 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P567726

CATALOG NUMBER: 8SNX-200HL-UNV-L930-CD

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	33825	33825	33825
5°	34097	33623	33824
10°	34114	33648	33838
15°	34099	33684	33877
20°	34030	33680	33924
25°	33989	33720	33783
30°	33966	33751	33784
35°	33883	33673	33725
40°	33747	33672	33691
45°	33563	33624	33563
50°	33336	33403	33225
55°	32818	32992	32818
60°	32264	32407	32121
65°	31465	31093	30755
70°	29966	29297	29212
75°	27652	26326	26436
80°	23657	22173	22585
85°	17574	17247	16092



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	596.4	3.2
10°-20°	1718.5	9.1
20°-30°	2630.9	14.0
30°-40°	3218.3	17.1
40°-50°	3404.0	18.1
50°-60°	3136.4	16.7
60°-70°	2414.0	12.8
70°-80°	1356.2	7.2
80°-90°	338.3	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°	4945.8	26.3
0°-40°	8164.1	43.4
0°-60°	14704.5	78.2
0°-90°	18813.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18813.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6285	6285	6285	6285	6285	
5°	6311	6293	6224	6280	6261	600
15°	6120	6104	6045	6099	6080	1728
25°	5724	5718	5678	5718	5689	2640
35°	5157	5149	5125	5149	5133	3227
45°	4410	4423	4418	4407	4410	3400
55°	3498	3529	3516	3505	3498	3132
65°	2471	2476	2442	2407	2415	2437
75°	1330	1309	1266	1247	1271	1401
85°	285	279	279	271	261	351
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6284.8	6284.8	6284.8	6284.8	6284.8
2.5°	6338.0	6303.4	6234.2	6295.4	6279.5
5°	6311.4	6292.8	6223.6	6279.5	6260.8
7.5°	6284.8	6263.5	6197.0	6258.2	6231.6
10°	6242.2	6223.6	6157.1	6215.6	6191.7
12.5°	6186.4	6170.4	6109.2	6165.1	6141.2
15°	6119.9	6103.9	6045.4	6098.6	6080.0
17.5°	6040.1	6021.5	5965.6	6021.5	6008.2
20°	5941.7	5931.0	5880.5	5931.0	5923.1
22.5°	5840.6	5827.3	5787.4	5824.7	5827.3
25°	5723.6	5718.3	5678.4	5718.3	5689.0
27.5°	5601.2	5601.2	5561.4	5588.0	5569.3
30°	5465.6	5462.9	5431.0	5444.3	5436.3
32.5°	5319.3	5316.7	5274.1	5308.7	5295.4
35°	5157.1	5149.1	5125.2	5149.1	5133.1
37.5°	4989.5	4981.5	4962.9	4976.2	4973.6
40°	4803.4	4803.4	4792.7	4803.4	4795.4
42.5°	4611.9	4619.8	4606.5	4617.2	4617.2
45°	4409.7	4423.0	4417.7	4407.1	4409.7
47.5°	4194.3	4218.2	4204.9	4202.3	4189.0
50°	3981.5	4002.8	3989.5	3976.2	3968.2
52.5°	3760.8	3771.4	3755.4	3750.1	3731.5
55°	3497.5	3529.4	3516.1	3505.4	3497.5
57.5°	3255.4	3279.4	3268.7	3247.4	3234.1
60°	2997.4	3016.1	3010.7	2986.8	2984.1
62.5°	2744.8	2750.1	2744.8	2702.2	2704.9
65°	2470.8	2476.1	2441.6	2407.0	2415.0
67.5°	2183.6	2199.5	2151.7	2101.1	2135.7
70°	1904.3	1899.0	1861.8	1805.9	1856.4
72.5°	1617.1	1611.8	1569.2	1529.3	1563.9
75°	1329.8	1308.6	1266.0	1247.4	1271.3
77.5°	1031.9	1008.0	989.4	976.1	986.7
80°	763.3	731.4	715.4	704.8	728.7
82.5°	508.0	484.1	476.1	484.1	478.7
85°	284.6	279.3	279.3	271.3	260.6
87.5°	117.0	122.3	125.0	122.3	117.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)