

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: P568106

Luminaire Tested: **8SNX-90SL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568106
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-90SL-UNV-L830-CD
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

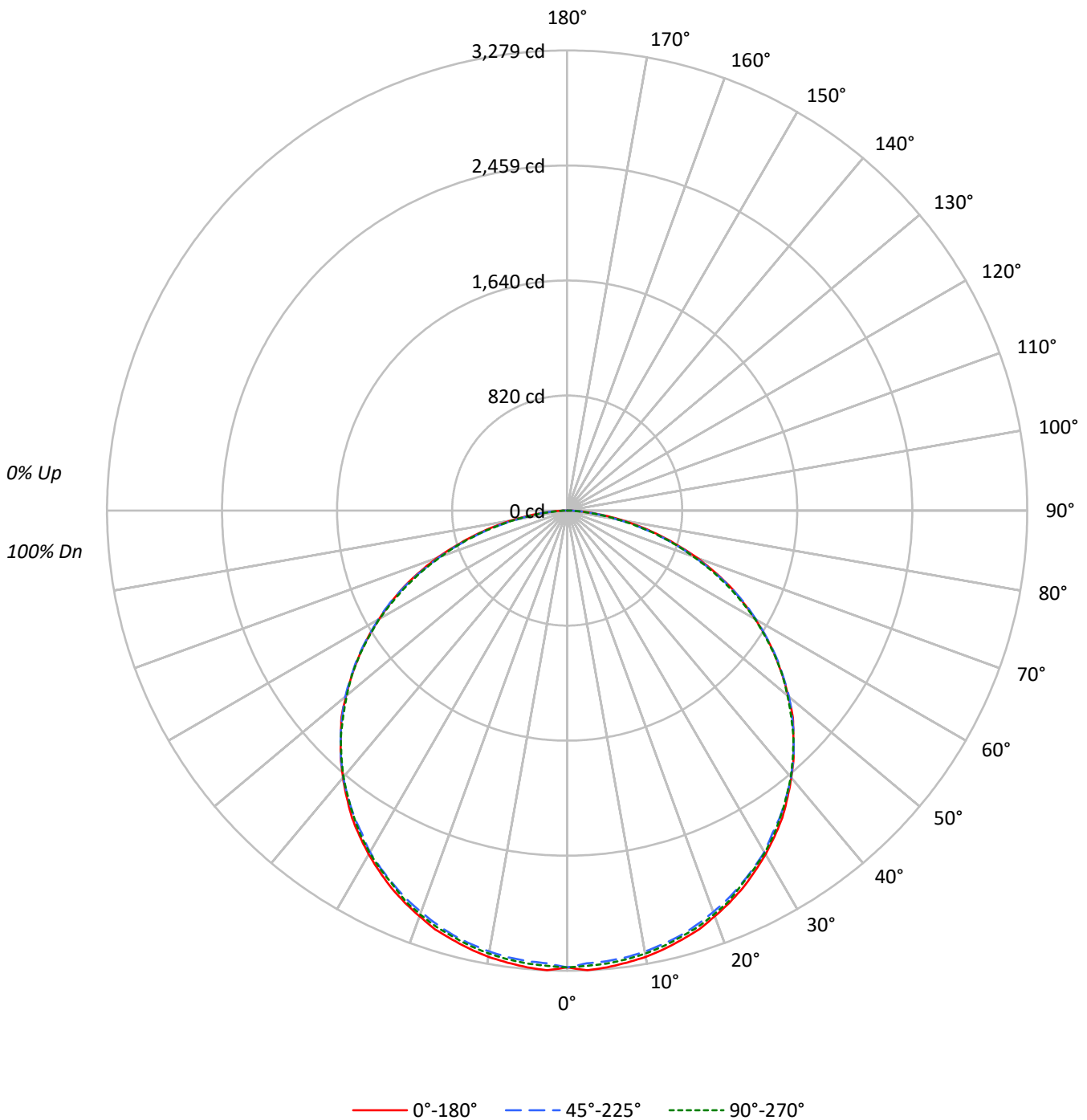
Lumens per Lamp: N/A
Luminaire Lumens: 9733.0 lumens
Efficiency: N/A
Efficacy: 163.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 59.6
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°	17519	17519	17519
5°	17649	17412	17507
10°	17645	17438	17517
15°	17631	17452	17518
20°	17621	17436	17537
25°	17610	17436	17471
30°	17574	17464	17501
35°	17560	17425	17444
40°	17461	17440	17420
45°	17357	17379	17357
50°	17230	17280	17157
55°	17002	17058	16975
60°	16669	16731	16637
65°	16329	16216	15992
70°	15523	15201	15017
75°	14184	13695	13758
80°	12249	11341	11613
85°	9219	8855	7954



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.8	3.2
10°-20°	889.8	9.1
20°-30°	1361.5	14.0
30°-40°	1664.7	17.1
40°-50°	1760.9	18.1
50°-60°	1622.5	16.7
60°-70°	1250.2	12.8
70°-80°	700.5	7.2
80°-90°	174.1	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°	2560.1	26.3
0°-40°	4224.8	43.4
0°-60°	7608.1	78.2
0°-90°	9733.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9733.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3255	3255	3255	3255	3255	
5°	3267	3255	3223	3255	3241	311
15°	3164	3159	3132	3159	3144	894
25°	2965	2960	2936	2960	2942	1367
35°	2673	2667	2652	2661	2655	1670
45°	2280	2289	2283	2280	2280	1762
55°	1812	1827	1818	1818	1809	1618
65°	1282	1282	1273	1241	1256	1261
75°	682	673	659	635	662	723
85°	149	140	143	143	129	184
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3255.2	3255.2	3255.2	3255.2	3255.2
2.5°	3278.6	3264.0	3228.8	3261.0	3246.4
5°	3266.9	3255.2	3223.0	3255.2	3240.6
7.5°	3249.3	3240.6	3211.3	3240.6	3225.9
10°	3228.8	3220.1	3190.8	3220.1	3205.4
12.5°	3199.6	3193.7	3164.4	3193.7	3179.1
15°	3164.4	3158.6	3132.2	3158.6	3144.0
17.5°	3129.3	3117.6	3091.3	3120.5	3108.8
20°	3076.6	3070.8	3044.4	3070.8	3062.0
22.5°	3023.9	3018.1	2994.7	3018.1	3012.2
25°	2965.4	2959.5	2936.1	2959.5	2942.0
27.5°	2898.1	2901.0	2874.6	2889.3	2880.5
30°	2827.8	2827.8	2810.2	2816.1	2816.1
32.5°	2751.7	2751.7	2725.3	2742.9	2740.0
35°	2672.7	2666.8	2652.2	2660.9	2655.1
37.5°	2579.0	2576.1	2567.3	2573.1	2567.3
40°	2485.3	2488.2	2482.4	2479.5	2479.5
42.5°	2388.7	2394.6	2385.8	2382.8	2379.9
45°	2280.4	2289.2	2283.3	2280.4	2280.4
47.5°	2180.9	2183.8	2175.0	2172.1	2163.3
50°	2057.9	2069.6	2063.8	2057.9	2049.1
52.5°	1935.0	1952.5	1940.8	1935.0	1935.0
55°	1812.0	1826.7	1817.9	1817.9	1809.1
57.5°	1683.2	1697.9	1686.1	1686.1	1674.4
60°	1548.6	1563.2	1554.4	1545.6	1545.6
62.5°	1413.9	1425.6	1422.7	1408.0	1399.3
65°	1282.2	1282.2	1273.4	1241.2	1255.8
67.5°	1132.9	1130.0	1118.2	1086.0	1106.5
70°	986.5	986.5	966.0	928.0	954.3
72.5°	828.4	837.2	810.9	784.5	810.9
75°	682.1	673.3	658.6	635.2	661.6
77.5°	541.6	526.9	509.4	497.6	512.3
80°	395.2	386.4	365.9	365.9	374.7
82.5°	269.3	260.5	245.9	248.8	237.1
85°	149.3	140.5	143.4	143.4	128.8
87.5°	61.5	61.5	61.5	55.6	49.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)