

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: P568108

Luminaire Tested: **8SNX-90SL-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568108
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-L840-CD
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

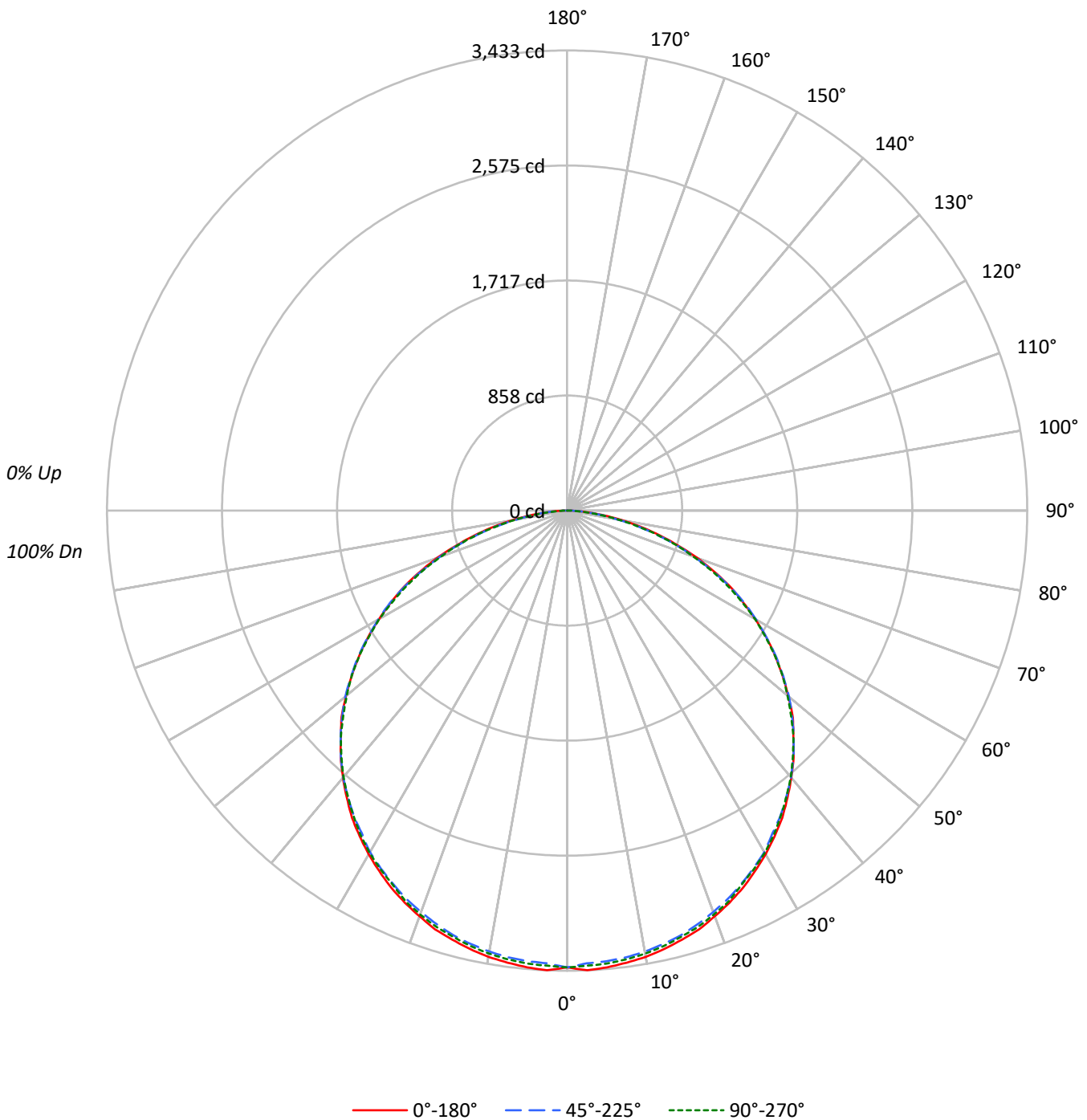
Lumens per Lamp: N/A
Luminaire Lumens: 10190.0 lumens
Efficiency: N/A
Efficacy: 171.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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°	18342	18342	18342
5°	18478	18230	18329
10°	18474	18256	18340
15°	18459	18272	18340
20°	18448	18255	18361
25°	18436	18254	18291
30°	18399	18284	18322
35°	18384	18243	18264
40°	18281	18259	18238
45°	18172	18195	18172
50°	18039	18091	17962
55°	17801	17858	17772
60°	17452	17517	17418
65°	17095	16978	16744
70°	16252	15915	15722
75°	14849	14340	14402
80°	12822	11874	12159
85°	9652	9275	8330



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.3	3.2
10°-20°	931.6	9.1
20°-30°	1425.4	14.0
30°-40°	1742.8	17.1
40°-50°	1843.6	18.1
50°-60°	1698.6	16.7
60°-70°	1308.9	12.8
70°-80°	733.4	7.2
80°-90°	182.3	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°	2680.3	26.3
0°-40°	4423.1	43.4
0°-60°	7965.4	78.2
0°-90°	10190.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10190.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3408	3408	3408	3408	3408	
5°	3420	3408	3374	3408	3393	325
15°	3313	3307	3279	3307	3292	936
25°	3105	3098	3074	3098	3080	1431
35°	2798	2792	2777	2786	2780	1748
45°	2388	2397	2390	2388	2388	1844
55°	1897	1912	1903	1903	1894	1694
65°	1342	1342	1333	1300	1315	1320
75°	714	705	690	665	693	757
85°	156	147	150	150	135	193
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3408.0	3408.0	3408.0	3408.0	3408.0
2.5°	3432.6	3417.2	3380.5	3414.2	3398.8
5°	3420.3	3408.0	3374.3	3408.0	3392.7
7.5°	3401.9	3392.7	3362.1	3392.7	3377.4
10°	3380.5	3371.3	3340.6	3371.3	3355.9
12.5°	3349.8	3343.7	3313.0	3343.7	3328.4
15°	3313.0	3306.9	3279.3	3306.9	3291.6
17.5°	3276.3	3264.0	3236.4	3267.1	3254.8
20°	3221.1	3215.0	3187.4	3215.0	3205.8
22.5°	3165.9	3159.8	3135.3	3159.8	3153.7
25°	3104.6	3098.5	3074.0	3098.5	3080.1
27.5°	3034.1	3037.2	3009.6	3024.9	3015.7
30°	2960.6	2960.6	2942.2	2948.3	2948.3
32.5°	2880.9	2880.9	2853.3	2871.7	2868.6
35°	2798.1	2792.0	2776.7	2785.9	2779.8
37.5°	2700.1	2697.0	2687.8	2693.9	2687.8
40°	2602.0	2605.1	2598.9	2595.9	2595.9
42.5°	2500.9	2507.0	2497.8	2494.7	2491.7
45°	2387.5	2396.7	2390.5	2387.5	2387.5
47.5°	2283.3	2286.3	2277.1	2274.1	2264.9
50°	2154.5	2166.8	2160.7	2154.5	2145.3
52.5°	2025.8	2044.2	2032.0	2025.8	2025.8
55°	1897.1	1912.4	1903.2	1903.2	1894.0
57.5°	1762.2	1777.6	1765.3	1765.3	1753.1
60°	1621.3	1636.6	1627.4	1618.2	1618.2
62.5°	1480.3	1492.5	1489.5	1474.2	1465.0
65°	1342.4	1342.4	1333.2	1299.5	1314.8
67.5°	1186.1	1183.0	1170.7	1137.0	1158.5
70°	1032.8	1032.8	1011.4	971.5	999.1
72.5°	867.3	876.5	848.9	821.4	848.9
75°	714.1	704.9	689.6	665.1	692.6
77.5°	567.0	551.7	533.3	521.0	536.3
80°	413.7	404.6	383.1	383.1	392.3
82.5°	282.0	272.8	257.4	260.5	248.2
85°	156.3	147.1	150.2	150.2	134.9
87.5°	64.4	64.4	64.4	58.2	52.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)