

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: P568107

Luminaire Tested: **8SNX-90SL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568107
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-L835-CD
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

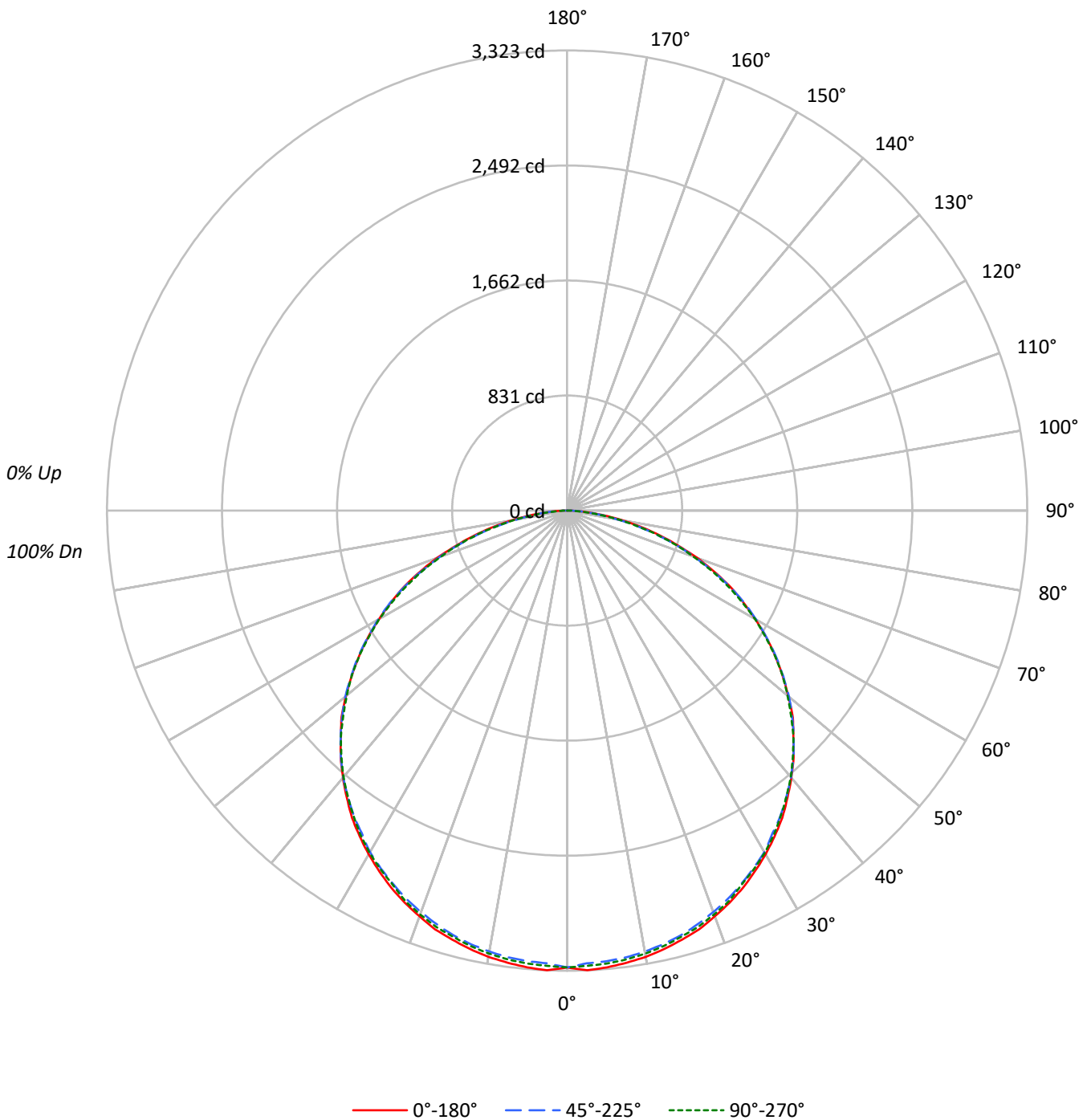
Lumens per Lamp: N/A
Luminaire Lumens: 9864.0 lumens
Efficiency: N/A
Efficacy: 165.5 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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°	17755	17755	17755
5°	17887	17647	17743
10°	17883	17672	17754
15°	17869	17687	17753
20°	17858	17671	17773
25°	17846	17670	17706
30°	17810	17700	17736
35°	17796	17660	17679
40°	17696	17675	17654
45°	17590	17613	17590
50°	17462	17512	17388
55°	17231	17287	17203
60°	16893	16956	16861
65°	16548	16434	16208
70°	15733	15405	15220
75°	14373	13880	13943
80°	12413	11492	11768
85°	9343	8979	8059



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	313.0	3.2
10°-20°	901.8	9.1
20°-30°	1379.8	14.0
30°-40°	1687.1	17.1
40°-50°	1784.6	18.1
50°-60°	1644.3	16.7
60°-70°	1267.1	12.8
70°-80°	709.9	7.2
80°-90°	176.4	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°	2594.6	26.3
0°-40°	4281.6	43.4
0°-60°	7710.5	78.2
0°-90°	9864.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9864.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3299	3299	3299	3299	3299	
5°	3311	3299	3266	3299	3284	315
15°	3207	3201	3174	3201	3186	906
25°	3005	2999	2976	2999	2982	1385
35°	2709	2703	2688	2697	2691	1692
45°	2311	2320	2314	2311	2311	1785
55°	1836	1851	1842	1842	1833	1640
65°	1299	1299	1290	1258	1273	1278
75°	691	682	668	644	670	733
85°	151	142	145	145	130	187
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3299.0	3299.0	3299.0	3299.0	3299.0
2.5°	3322.7	3307.9	3272.3	3304.9	3290.1
5°	3310.9	3299.0	3266.4	3299.0	3284.2
7.5°	3293.1	3284.2	3254.5	3284.2	3269.3
10°	3272.3	3263.4	3233.7	3263.4	3248.6
12.5°	3242.6	3236.7	3207.0	3236.7	3221.9
15°	3207.0	3201.1	3174.4	3201.1	3186.3
17.5°	3171.4	3159.6	3132.9	3162.5	3150.7
20°	3118.0	3112.1	3085.4	3112.1	3103.2
22.5°	3064.6	3058.7	3035.0	3058.7	3052.8
25°	3005.3	2999.4	2975.6	2999.4	2981.6
27.5°	2937.1	2940.0	2913.3	2928.2	2919.3
30°	2865.9	2865.9	2848.1	2854.0	2854.0
32.5°	2788.7	2788.7	2762.0	2779.8	2776.9
35°	2708.6	2702.7	2687.9	2696.8	2690.8
37.5°	2613.7	2610.7	2601.8	2607.8	2601.8
40°	2518.8	2521.7	2515.8	2512.8	2512.8
42.5°	2420.9	2426.8	2417.9	2414.9	2412.0
45°	2311.1	2320.0	2314.1	2311.1	2311.1
47.5°	2210.2	2213.2	2204.3	2201.3	2192.4
50°	2085.6	2097.5	2091.5	2085.6	2076.7
52.5°	1961.0	1978.8	1966.9	1961.0	1961.0
55°	1836.4	1851.2	1842.3	1842.3	1833.4
57.5°	1705.9	1720.7	1708.8	1708.8	1697.0
60°	1569.4	1584.2	1575.3	1566.4	1566.4
62.5°	1432.9	1444.8	1441.8	1427.0	1418.1
65°	1299.4	1299.4	1290.5	1257.9	1272.7
67.5°	1148.1	1145.2	1133.3	1100.7	1121.4
70°	999.8	999.8	979.0	940.5	967.2
72.5°	839.6	848.5	821.8	795.1	821.8
75°	691.2	682.3	667.5	643.8	670.5
77.5°	548.8	534.0	516.2	504.3	519.2
80°	400.5	391.6	370.8	370.8	379.7
82.5°	272.9	264.0	249.2	252.2	240.3
85°	151.3	142.4	145.4	145.4	130.5
87.5°	62.3	62.3	62.3	56.4	50.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)