

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: P568154

Luminaire Tested: **8SNX-96SL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568154
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-96SL-UNV-L830-CD
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

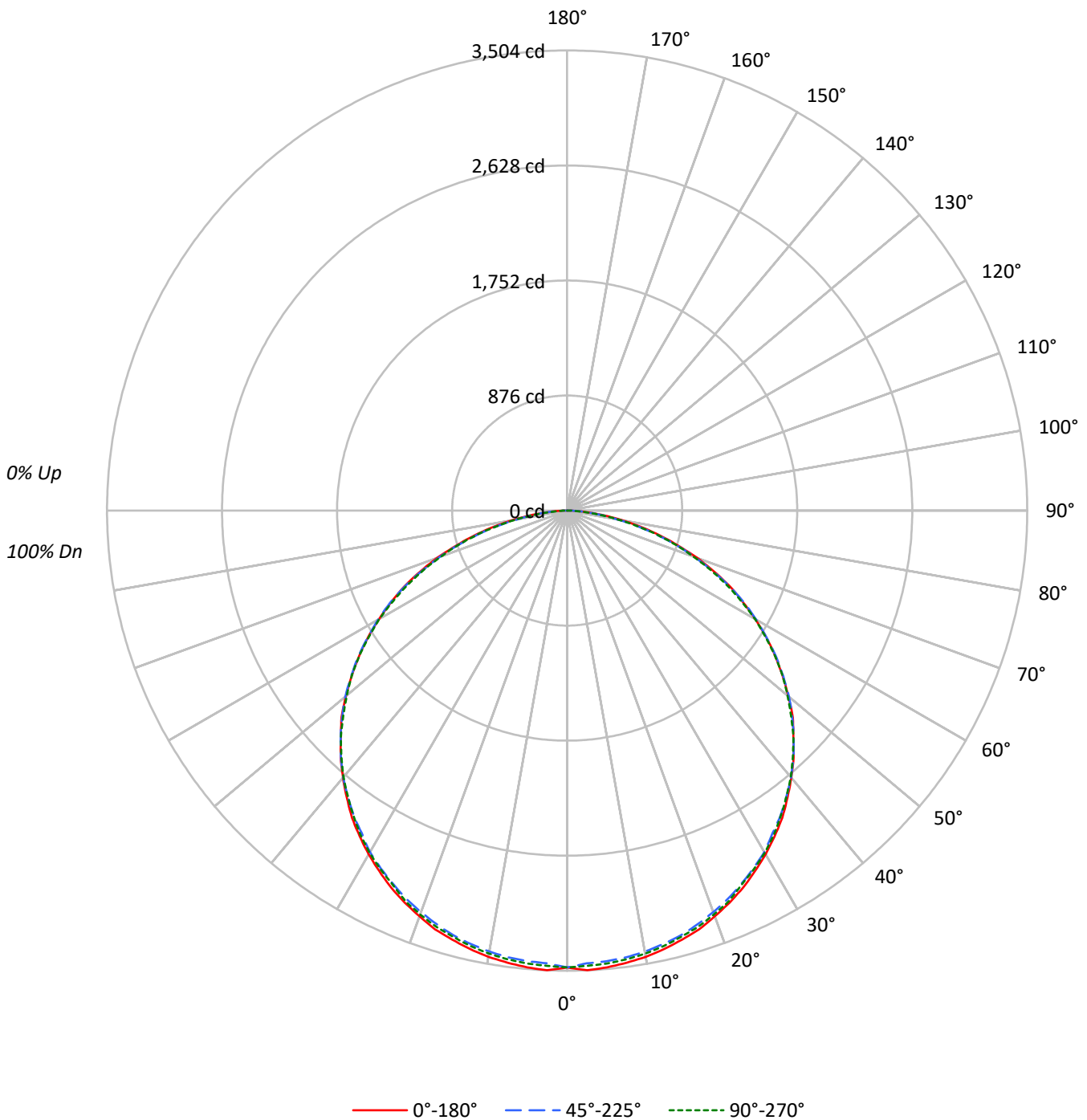
Lumens per Lamp: N/A
Luminaire Lumens: 10401.0 lumens
Efficiency: N/A
Efficacy: 162.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 64.2
Input Voltage (V): NR
Input Current (A_{in}): 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	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°	18722	18722	18722
5°	18861	18607	18709
10°	18857	18634	18720
15°	18842	18650	18720
20°	18830	18633	18740
25°	18818	18632	18670
30°	18780	18663	18702
35°	18765	18621	18642
40°	18659	18638	18615
45°	18548	18571	18548
50°	18414	18465	18335
55°	18170	18228	18140
60°	17812	17880	17779
65°	17449	17330	17090
70°	16589	16244	16047
75°	15157	14637	14702
80°	13089	12118	12410
85°	9849	9466	8497



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.0	3.2
10°-20°	950.9	9.1
20°-30°	1454.9	14.0
30°-40°	1778.9	17.1
40°-50°	1881.8	18.1
50°-60°	1733.8	16.7
60°-70°	1336.1	12.8
70°-80°	748.6	7.2
80°-90°	186.1	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°	2735.8	26.3
0°-40°	4514.7	43.4
0°-60°	8130.3	78.2
0°-90°	10401.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10401.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3479	3479	3479	3479	3479	
5°	3491	3479	3444	3479	3463	332
15°	3382	3375	3347	3375	3360	955
25°	3169	3163	3138	3163	3144	1460
35°	2856	2850	2834	2844	2837	1785
45°	2437	2446	2440	2437	2437	1882
55°	1936	1952	1943	1943	1933	1729
65°	1370	1370	1361	1326	1342	1348
75°	729	720	704	679	707	773
85°	160	150	153	153	138	197
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3478.6	3478.6	3478.6	3478.6	3478.6
2.5°	3503.6	3488.0	3450.5	3484.9	3469.2
5°	3491.1	3478.6	3444.2	3478.6	3463.0
7.5°	3472.4	3463.0	3431.7	3463.0	3447.3
10°	3450.5	3441.1	3409.8	3441.1	3425.4
12.5°	3419.2	3412.9	3381.6	3412.9	3397.3
15°	3381.6	3375.4	3347.2	3375.4	3359.7
17.5°	3344.1	3331.6	3303.4	3334.7	3322.2
20°	3287.8	3281.5	3253.4	3281.5	3272.1
22.5°	3231.5	3225.2	3200.2	3225.2	3219.0
25°	3168.9	3162.7	3137.6	3162.7	3143.9
27.5°	3097.0	3100.1	3071.9	3087.6	3078.2
30°	3021.9	3021.9	3003.1	3009.4	3009.4
32.5°	2940.5	2940.5	2912.4	2931.2	2928.0
35°	2856.1	2849.8	2834.2	2843.6	2837.3
37.5°	2756.0	2752.9	2743.5	2749.7	2743.5
40°	2655.9	2659.0	2652.8	2649.6	2649.6
42.5°	2552.6	2558.9	2549.5	2546.4	2543.3
45°	2436.9	2446.3	2440.0	2436.9	2436.9
47.5°	2330.5	2333.7	2324.3	2321.2	2311.8
50°	2199.2	2211.7	2205.4	2199.2	2189.8
52.5°	2067.8	2086.5	2074.0	2067.8	2067.8
55°	1936.4	1952.0	1942.6	1942.6	1933.3
57.5°	1798.7	1814.4	1801.9	1801.9	1789.4
60°	1654.8	1670.5	1661.1	1651.7	1651.7
62.5°	1510.9	1523.5	1520.3	1504.7	1495.3
65°	1370.2	1370.2	1360.8	1326.4	1342.0
67.5°	1210.6	1207.5	1195.0	1160.6	1182.5
70°	1054.2	1054.2	1032.3	991.7	1019.8
72.5°	885.3	894.7	866.5	838.4	866.5
75°	728.9	719.5	703.9	678.8	707.0
77.5°	578.7	563.1	544.3	531.8	547.4
80°	422.3	412.9	391.0	391.0	400.4
82.5°	287.8	278.4	262.8	265.9	253.4
85°	159.5	150.2	153.3	153.3	137.6
87.5°	65.7	65.7	65.7	59.4	53.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)