

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: P568155

Luminaire Tested: **8SNX-96SL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568155
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-L835-CD
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

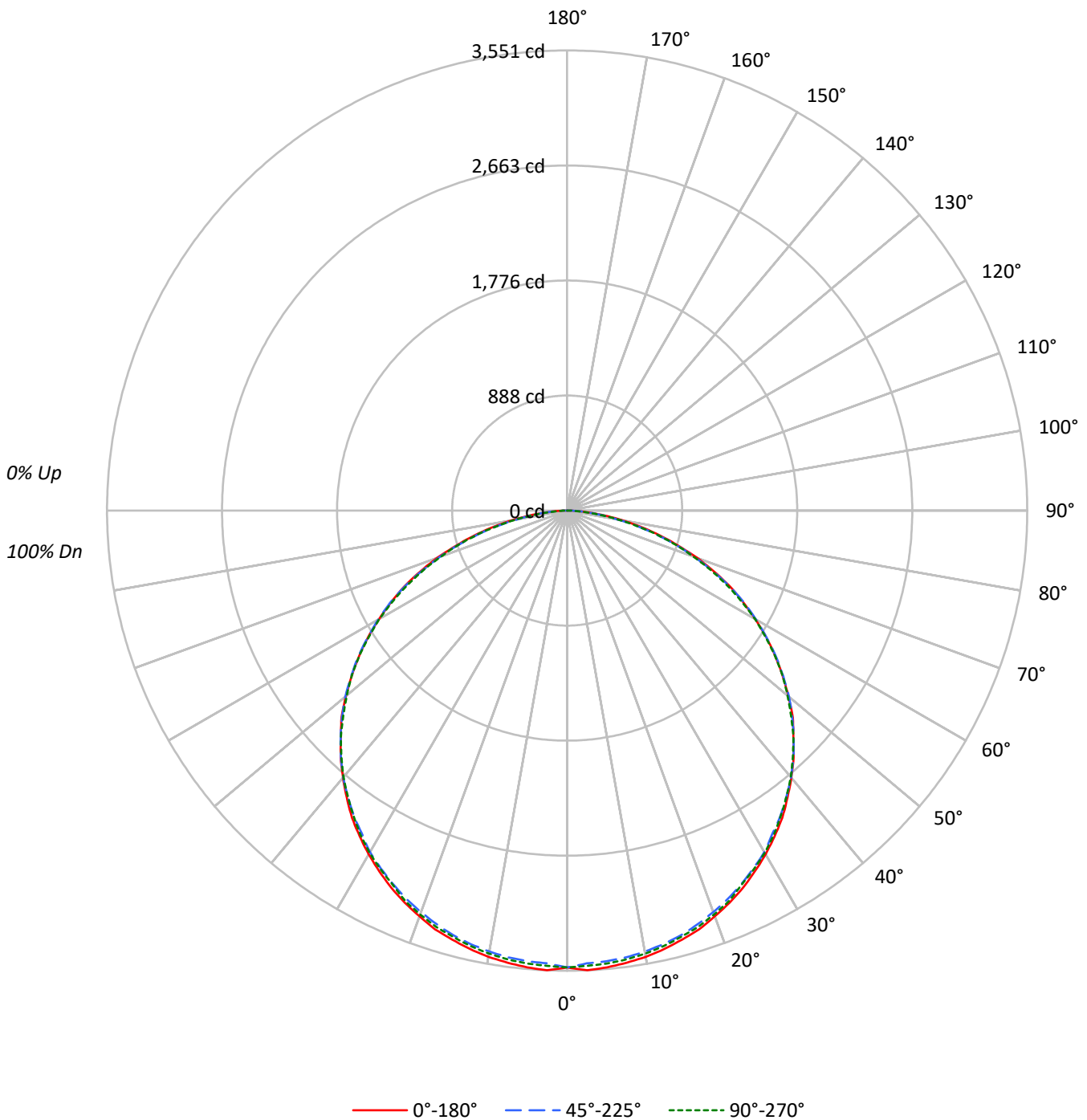
Lumens per Lamp: N/A
Luminaire Lumens: 10541.0 lumens
Efficiency: N/A
Efficacy: 164.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 64.2
Input Voltage (V): NR
Input Current (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	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°	18974	18974	18974
5°	19115	18858	18961
10°	19110	18885	18972
15°	19095	18901	18972
20°	19084	18884	18993
25°	19072	18883	18921
30°	19033	18914	18954
35°	19017	18871	18892
40°	18910	18888	18866
45°	18797	18822	18797
50°	18661	18714	18581
55°	18414	18474	18384
60°	18052	18121	18018
65°	17684	17563	17321
70°	16812	16463	16263
75°	15361	14833	14899
80°	13265	12283	12577
85°	9985	9590	8614



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.4	3.2
10°-20°	963.7	9.1
20°-30°	1474.5	14.0
30°-40°	1802.9	17.1
40°-50°	1907.1	18.1
50°-60°	1757.2	16.7
60°-70°	1354.0	12.8
70°-80°	758.7	7.2
80°-90°	188.6	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°	2772.6	26.3
0°-40°	4575.5	43.4
0°-60°	8239.7	78.2
0°-90°	10541.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10541.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3525	3525	3525	3525	3525	
5°	3538	3525	3491	3525	3510	336
15°	3427	3421	3392	3421	3405	968
25°	3212	3205	3180	3205	3186	1480
35°	2894	2888	2872	2882	2876	1809
45°	2470	2479	2473	2470	2470	1908
55°	1962	1978	1969	1969	1959	1752
65°	1389	1389	1379	1344	1360	1366
75°	739	729	713	688	716	783
85°	162	152	155	155	140	200
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3525.4	3525.4	3525.4	3525.4	3525.4
2.5°	3550.8	3534.9	3496.9	3531.8	3515.9
5°	3538.1	3525.4	3490.6	3525.4	3509.6
7.5°	3519.1	3509.6	3477.9	3509.6	3493.7
10°	3496.9	3487.4	3455.7	3487.4	3471.5
12.5°	3465.2	3458.9	3427.1	3458.9	3443.0
15°	3427.1	3420.8	3392.3	3420.8	3405.0
17.5°	3389.1	3376.4	3347.9	3379.6	3366.9
20°	3332.0	3325.7	3297.2	3325.7	3316.2
22.5°	3275.0	3268.6	3243.3	3268.6	3262.3
25°	3211.6	3205.2	3179.9	3205.2	3186.2
27.5°	3138.6	3141.8	3113.3	3129.1	3119.6
30°	3062.6	3062.6	3043.5	3049.9	3049.9
32.5°	2980.1	2980.1	2951.6	2970.6	2967.4
35°	2894.5	2888.2	2872.3	2881.8	2875.5
37.5°	2793.1	2789.9	2780.4	2786.7	2780.4
40°	2691.6	2694.8	2688.5	2685.3	2685.3
42.5°	2587.0	2593.3	2583.8	2580.7	2577.5
45°	2469.7	2479.2	2472.9	2469.7	2469.7
47.5°	2361.9	2365.1	2355.6	2352.4	2342.9
50°	2228.8	2241.4	2235.1	2228.8	2219.2
52.5°	2095.6	2114.6	2101.9	2095.6	2095.6
55°	1962.4	1978.3	1968.8	1968.8	1959.3
57.5°	1823.0	1838.8	1826.1	1826.1	1813.4
60°	1677.1	1693.0	1683.5	1673.9	1673.9
62.5°	1531.3	1544.0	1540.8	1524.9	1515.4
65°	1388.6	1388.6	1379.1	1344.2	1360.1
67.5°	1226.9	1223.8	1211.1	1176.2	1198.4
70°	1068.4	1068.4	1046.2	1005.0	1033.5
72.5°	897.2	906.7	878.2	849.7	878.2
75°	738.7	729.2	713.3	688.0	716.5
77.5°	586.5	570.7	551.6	539.0	554.8
80°	428.0	418.5	396.3	396.3	405.8
82.5°	291.7	282.2	266.3	269.5	256.8
85°	161.7	152.2	155.3	155.3	139.5
87.5°	66.6	66.6	66.6	60.2	53.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)