

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: P568156

Luminaire Tested: **8SNX-96SL-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568156
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-L840-CD
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

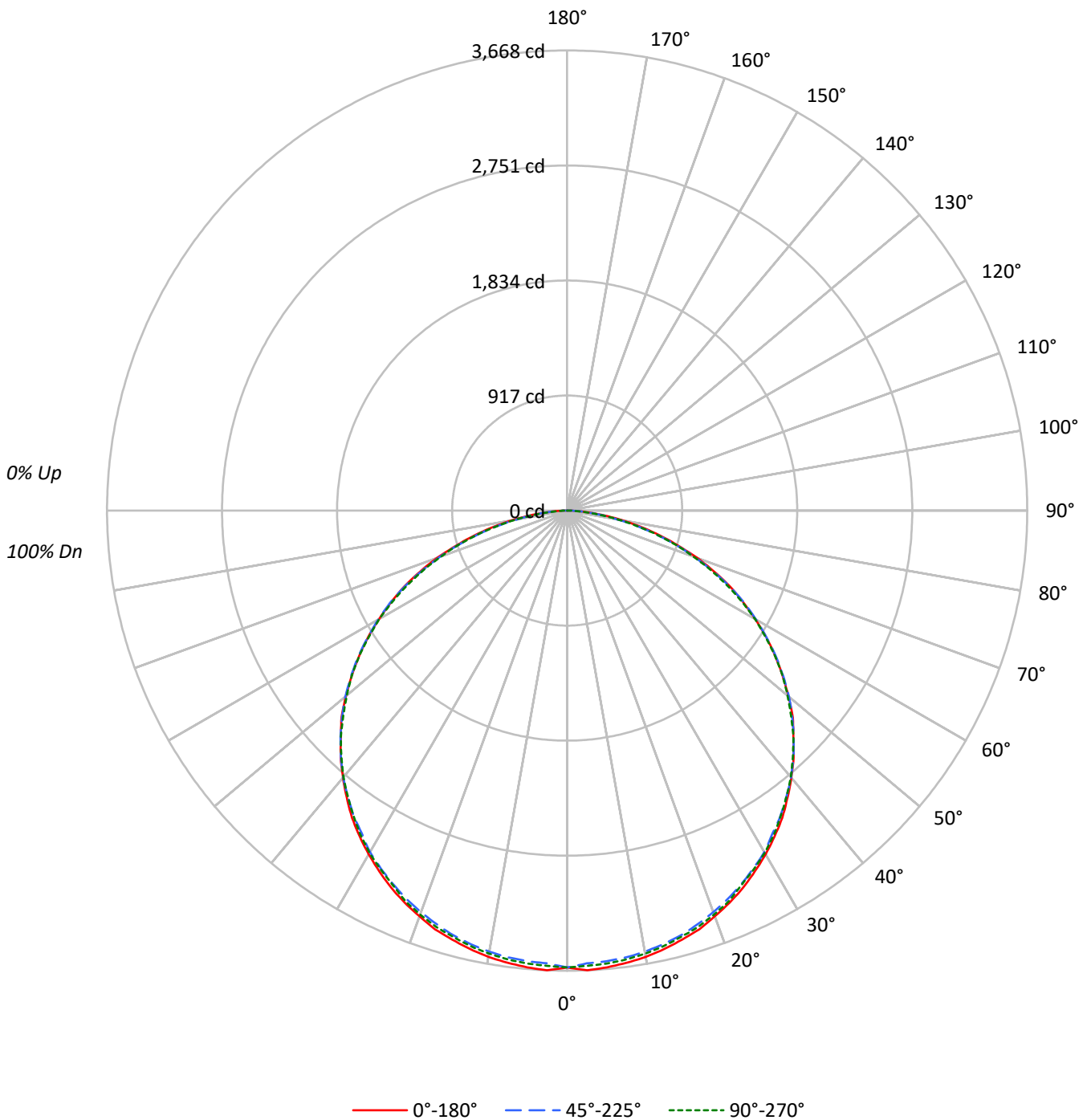
Lumens per Lamp: N/A
Luminaire Lumens: 10889.0 lumens
Efficiency: N/A
Efficacy: 169.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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	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°	19600	19600	19600
5°	19746	19480	19586
10°	19741	19509	19598
15°	19726	19525	19598
20°	19714	19507	19620
25°	19701	19506	19545
30°	19661	19539	19580
35°	19645	19495	19516
40°	19535	19512	19488
45°	19418	19443	19418
50°	19277	19332	19195
55°	19022	19083	18992
60°	18648	18718	18613
65°	18268	18142	17892
70°	17368	17007	16801
75°	15868	15323	15392
80°	13702	12689	12992
85°	10312	9911	8898



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.5	3.2
10°-20°	995.5	9.1
20°-30°	1523.2	14.0
30°-40°	1862.4	17.1
40°-50°	1970.1	18.1
50°-60°	1815.2	16.7
60°-70°	1398.7	12.8
70°-80°	783.7	7.2
80°-90°	194.8	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°	2864.2	26.3
0°-40°	4726.5	43.4
0°-60°	8511.8	78.2
0°-90°	10889.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10889.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3642	3642	3642	3642	3642	
5°	3655	3642	3606	3642	3625	347
15°	3540	3534	3504	3534	3517	1000
25°	3318	3311	3285	3311	3291	1529
35°	2990	2984	2967	2977	2970	1868
45°	2551	2561	2554	2551	2551	1971
55°	2027	2044	2034	2034	2024	1810
65°	1434	1434	1425	1389	1405	1411
75°	763	753	737	711	740	809
85°	167	157	160	160	144	206
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3641.8	3641.8	3641.8	3641.8	3641.8
2.5°	3668.0	3651.6	3612.3	3648.4	3632.0
5°	3654.9	3641.8	3605.8	3641.8	3625.4
7.5°	3635.3	3625.4	3592.7	3625.4	3609.1
10°	3612.3	3602.5	3569.8	3602.5	3586.1
12.5°	3579.6	3573.0	3540.3	3573.0	3556.7
15°	3540.3	3533.7	3504.3	3533.7	3517.4
17.5°	3501.0	3487.9	3458.4	3491.2	3478.1
20°	3442.0	3435.5	3406.0	3435.5	3425.7
22.5°	3383.1	3376.5	3350.3	3376.5	3370.0
25°	3317.6	3311.0	3284.8	3311.0	3291.4
27.5°	3242.3	3245.5	3216.1	3232.4	3222.6
30°	3163.7	3163.7	3144.0	3150.6	3150.6
32.5°	3078.5	3078.5	3049.0	3068.7	3065.4
35°	2990.1	2983.5	2967.2	2977.0	2970.4
37.5°	2885.3	2882.0	2872.2	2878.7	2872.2
40°	2780.5	2783.8	2777.2	2773.9	2773.9
42.5°	2672.4	2679.0	2669.1	2665.9	2662.6
45°	2551.2	2561.1	2554.5	2551.2	2551.2
47.5°	2439.9	2443.2	2433.3	2430.1	2420.2
50°	2302.3	2315.4	2308.9	2302.3	2292.5
52.5°	2164.8	2184.4	2171.3	2164.8	2164.8
55°	2027.2	2043.6	2033.8	2033.8	2024.0
57.5°	1883.1	1899.5	1886.4	1886.4	1873.3
60°	1732.5	1748.9	1739.0	1729.2	1729.2
62.5°	1581.8	1594.9	1591.7	1575.3	1565.5
65°	1434.5	1434.5	1424.6	1388.6	1405.0
67.5°	1267.4	1264.2	1251.1	1215.0	1238.0
70°	1103.7	1103.7	1080.8	1038.2	1067.7
72.5°	926.8	936.7	907.2	877.7	907.2
75°	763.1	753.3	736.9	710.7	740.2
77.5°	605.9	589.5	569.9	556.8	573.1
80°	442.1	432.3	409.4	409.4	419.2
82.5°	301.3	291.5	275.1	278.4	265.3
85°	167.0	157.2	160.5	160.5	144.1
87.5°	68.8	68.8	68.8	62.2	55.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)