

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: P565983

Luminaire Tested: **4SNX-100HL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565983
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-17)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-100HL-UNV-L835-CD
Description: 4FT 10000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

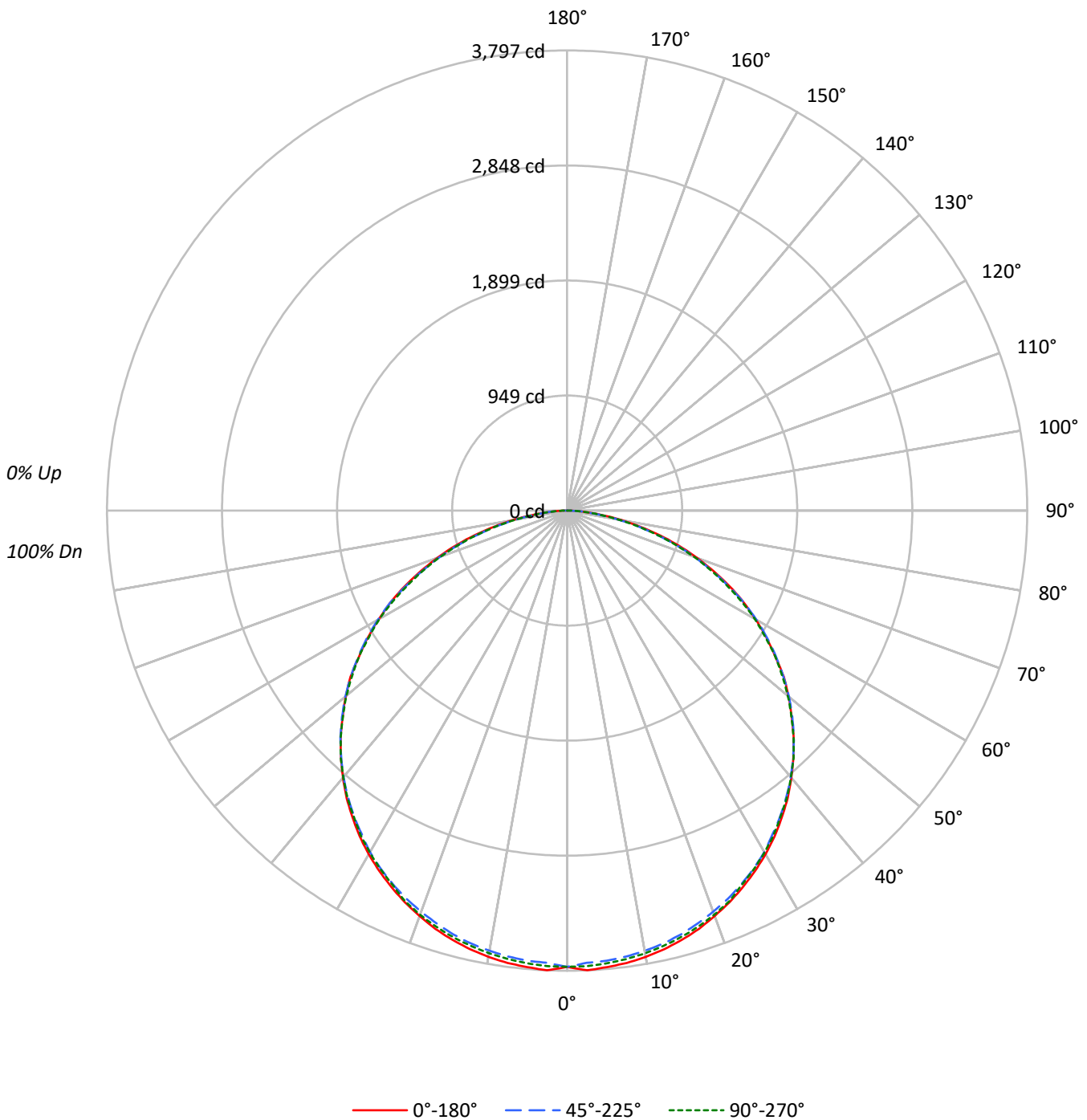
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11270.0 lumens
Efficiency: N/A
Efficacy: 155.4 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 72.5
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	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°	40525	40525	40525
5°	40853	40284	40525
10°	40872	40314	40541
15°	40854	40357	40587
20°	40772	40352	40644
25°	40722	40401	40476
30°	40695	40438	40478
35°	40596	40345	40406
40°	40433	40343	40365
45°	40213	40285	40213
50°	39940	40020	39808
55°	39319	39527	39319
60°	38655	38828	38485
65°	37700	37252	36847
70°	35903	35100	35000
75°	33129	31541	31674
80°	28347	26568	27063
85°	21057	20662	19279



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.3	3.2
10°-20°	1029.5	9.1
20°-30°	1576.0	14.0
30°-40°	1927.9	17.1
40°-50°	2039.2	18.1
50°-60°	1878.9	16.7
60°-70°	1446.1	12.8
70°-80°	812.4	7.2
80°-90°	202.7	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°	2962.8	26.3
0°-40°	4890.8	43.4
0°-60°	8808.8	78.2
0°-90°	11270.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11270.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3765	3765	3765	3765	3765	
5°	3781	3770	3728	3762	3751	360
15°	3666	3657	3622	3653	3642	1035
25°	3429	3426	3402	3426	3408	1581
35°	3089	3085	3070	3085	3075	1933
45°	2642	2650	2646	2640	2642	2037
55°	2095	2114	2106	2100	2095	1876
65°	1480	1483	1463	1442	1447	1460
75°	797	784	758	747	762	839
85°	170	167	167	162	156	210
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3764.9	3764.9	3764.9	3764.9	3764.9
2.5°	3796.8	3776.1	3734.7	3771.3	3761.7
5°	3780.9	3769.7	3728.3	3761.7	3750.6
7.5°	3764.9	3752.2	3712.3	3749.0	3733.1
10°	3739.4	3728.3	3688.4	3723.5	3709.2
12.5°	3706.0	3696.4	3659.8	3693.2	3678.9
15°	3666.1	3656.6	3621.5	3653.4	3642.2
17.5°	3618.3	3607.2	3573.7	3607.2	3599.2
20°	3559.4	3553.0	3522.7	3553.0	3548.2
22.5°	3498.8	3490.9	3467.0	3489.3	3490.9
25°	3428.7	3425.6	3401.7	3425.6	3408.0
27.5°	3355.4	3355.4	3331.6	3347.5	3336.3
30°	3274.2	3272.6	3253.5	3261.4	3256.7
32.5°	3186.6	3185.0	3159.5	3180.2	3172.2
35°	3089.4	3084.6	3070.3	3084.6	3075.0
37.5°	2989.0	2984.2	2973.1	2981.0	2979.4
40°	2877.5	2877.5	2871.1	2877.5	2872.7
42.5°	2762.7	2767.5	2759.6	2765.9	2765.9
45°	2641.7	2649.6	2646.4	2640.1	2641.7
47.5°	2512.6	2526.9	2519.0	2517.4	2509.4
50°	2385.1	2397.9	2389.9	2382.0	2377.2
52.5°	2252.9	2259.3	2249.7	2246.5	2235.4
55°	2095.2	2114.3	2106.3	2099.9	2095.2
57.5°	1950.2	1964.5	1958.1	1945.4	1937.4
60°	1795.6	1806.8	1803.6	1789.3	1787.7
62.5°	1644.3	1647.5	1644.3	1618.8	1620.4
65°	1480.2	1483.3	1462.6	1441.9	1446.7
67.5°	1308.1	1317.6	1289.0	1258.7	1279.4
70°	1140.8	1137.6	1115.3	1081.8	1112.1
72.5°	968.7	965.5	940.0	916.1	936.8
75°	796.6	783.9	758.4	747.2	761.6
77.5°	618.2	603.9	592.7	584.7	591.1
80°	457.3	438.2	428.6	422.2	436.6
82.5°	304.3	290.0	285.2	290.0	286.8
85°	170.5	167.3	167.3	162.5	156.1
87.5°	70.1	73.3	74.9	73.3	70.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)