

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: P566767

Luminaire Tested: **4SNX-74HL-LC-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566767
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-74HL-LC-UNV-L835-CD
Description: 4FT 7400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

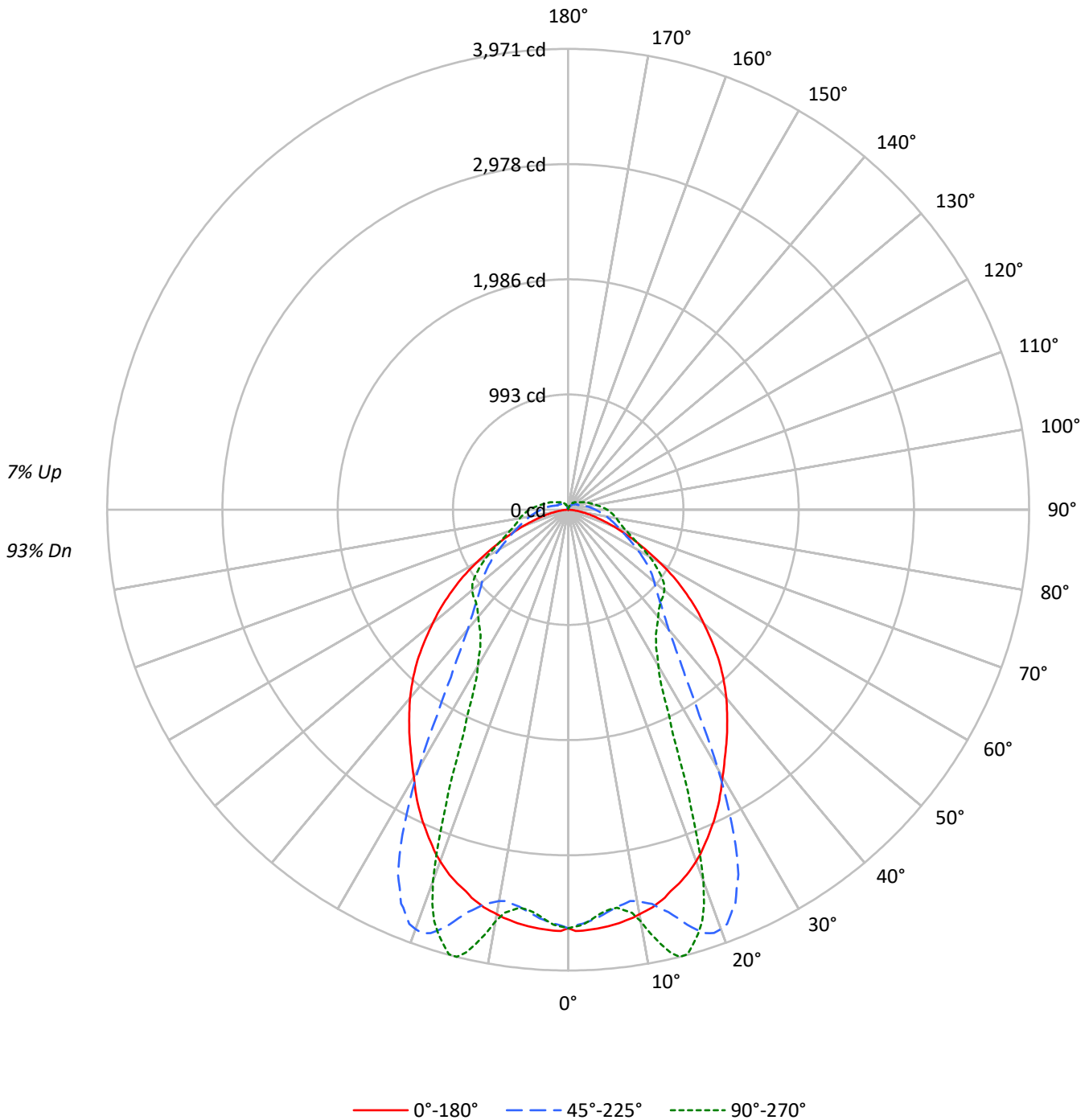
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8015.0 lumens
Efficiency: N/A
Efficacy: 154.7 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 0.89 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 51.8
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	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	89	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	83	78	84	79	75	80	76	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	68	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	58	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	46	41	65	54	46	40	51	45	40	49	43	39	48	42	38	36				
8	63	50	42	37	61	49	42	36	47	41	36	46	40	35	44	39	35	33				
9	59	46	39	34	57	46	38	33	44	37	33	42	36	32	41	36	32	30				
10	56	43	36	31	54	42	35	30	41	34	30	40	34	30	38	33	29	27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	38819	38819	38819
5°	38864	36229	35532
10°	38399	34399	35235
15°	37505	35781	37510
20°	36370	37264	31394
25°	34544	33402	19303
30°	32275	24859	13970
35°	30421	17143	11785
40°	28759	13294	10861
45°	26825	11307	10271
50°	24307	10138	10084
55°	21653	9157	9329
60°	18256	7914	8070
65°	14734	6883	6735
70°	11440	6175	5929
75°	8721	5730	5530
80°	5951	5412	5474
85°	3070	5146	5436



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.6	4.2
10°-20°	1025.4	12.8
20°-30°	1380.7	17.2
30°-40°	1306.7	16.3
40°-50°	1153.4	14.4
50°-60°	936.8	11.7
60°-70°	637.1	7.9
70°-80°	410.0	5.1
80°-90°	272.6	3.4
90°-100°	187.3	2.3
100°-110°	125.7	1.6
110°-120°	88.7	1.1
120°-130°	63.4	0.8
130°-140°	44.7	0.6
140°-150°	27.8	0.3
150°-160°	13.5	0.2
160°-170°	4.7	0.1
170°-180°	0.8	0.0
0°-30°	2741.7	34.2
0°-40°	4048.4	50.5
0°-60°	6138.6	76.6
0°-90°	7458.3	93.1
90°-120°	401.8	5.0
90°-150°	537.6	6.7
90°-180°	557.0	6.9
0°-180°	8015.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3606	3606	3606	3606	3606	
5°	3610	3577	3500	3497	3480	342
15°	3403	3381	3642	3964	3967	959
25°	2965	3516	3469	2520	2130	1361
35°	2383	3343	1762	1357	1316	1491
45°	1836	2249	1115	1101	1125	1409
55°	1222	1330	837	935	970	1092
65°	630	717	560	623	642	633
75°	242	339	395	443	464	264
85°	37	144	280	355	379	48
90°	1	100	234	314	335	2
95°	1	77	197	267	285	1
105°	2	54	130	182	204	2
115°	2	46	96	136	153	3
125°	4	39	82	103	110	3
135°	5	31	67	86	91	4
145°	5	22	48	66	72	3
155°	6	14	29	44	50	3
165°	6	9	16	22	27	2
175°	7	7	7	7	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3606.4	3606.4	3606.4	3606.4	3606.4
1°	3630.8	3619.8	3583.1	3602.7	3592.9
2°	3629.6	3611.3	3569.6	3591.7	3579.4
3°	3623.5	3603.9	3550.1	3563.5	3545.2
4°	3617.4	3594.1	3529.3	3529.3	3508.5
5°	3610.0	3577.0	3499.9	3497.4	3480.3
6°	3601.5	3563.5	3474.2	3471.7	3462.0
7°	3589.2	3540.3	3446.0	3463.2	3455.8
8°	3574.5	3518.2	3431.4	3474.2	3485.2
9°	3561.1	3491.3	3414.2	3508.5	3517.0
10°	3539.0	3466.8	3425.2	3577.0	3602.7
11°	3520.7	3446.0	3449.7	3644.3	3721.4
12°	3502.3	3424.0	3473.0	3728.7	3823.0
13°	3471.7	3406.9	3524.4	3820.5	3917.2
14°	3444.8	3393.4	3574.5	3913.5	3971.0
15°	3403.2	3381.2	3641.8	3963.7	3967.4
16°	3375.1	3372.6	3720.2	3967.4	3898.8
17°	3343.3	3369.0	3783.8	3903.7	3823.0
18°	3307.8	3376.3	3836.4	3824.2	3731.2
19°	3267.4	3383.6	3858.4	3714.0	3594.1
20°	3223.3	3394.6	3846.2	3599.0	3405.7
21°	3179.3	3409.3	3823.0	3477.9	3158.5
22.5°	3097.3	3444.8	3712.8	3137.7	2749.7
23°	3074.0	3452.2	3687.1	3031.2	2643.3
24°	3016.5	3482.8	3569.6	2782.8	2361.8
25°	2965.1	3515.8	3469.3	2519.7	2130.5
26°	2907.6	3540.3	3317.6	2277.4	1988.6
27°	2851.3	3555.0	3145.0	2088.9	1829.5
28°	2786.5	3570.9	2957.8	1926.2	1709.6
29°	2725.3	3573.3	2773.0	1796.4	1615.3
30°	2659.2	3561.1	2578.4	1692.4	1556.6
32.5°	2514.8	3493.8	2102.4	1494.2	1409.7
35°	2382.6	3343.3	1762.2	1357.1	1315.5
37.5°	2249.2	3105.8	1523.6	1271.5	1258.0
40°	2118.3	2824.4	1343.7	1202.9	1205.4
42.5°	1980.0	2534.4	1220.1	1146.6	1157.7
45°	1835.6	2249.2	1114.8	1101.4	1124.6
47.5°	1675.3	1988.6	1031.6	1072.0	1107.5
50°	1523.6	1730.4	966.8	1043.8	1080.6
52.5°	1379.2	1518.7	908.0	996.1	1039.0
55°	1222.5	1330.2	837.0	934.9	970.4
57.5°	1073.2	1160.1	762.4	859.1	890.9
60°	909.2	992.5	686.5	777.1	807.7
62.5°	761.2	849.3	621.7	695.1	719.6
65°	630.2	717.1	560.5	622.9	642.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	514.0	607.0	510.3	562.9	581.3
70°	405.1	503.0	466.2	514.0	533.5
72.5°	316.9	416.1	429.5	473.6	493.2
75°	242.3	339.0	395.3	443.0	463.8
77.5°	179.9	276.6	363.5	418.5	440.5
80°	118.7	220.3	335.3	396.5	422.2
82.5°	74.6	177.4	307.2	374.5	401.4
85°	36.7	144.4	280.2	354.9	379.4
87.5°	12.2	119.9	255.8	335.3	356.1
90°	1.2	100.3	233.7	314.5	335.3
92.5°	1.2	86.9	215.4	290.0	310.8
95°	1.2	77.1	197.0	266.8	285.1
97.5°	1.2	69.8	179.9	242.3	261.9
100°	1.2	62.4	161.5	219.0	239.9
102.5°	2.4	57.5	145.6	199.5	221.5
105°	2.4	53.8	129.7	182.3	204.4
107.5°	2.4	51.4	116.3	168.9	189.7
110°	2.4	48.9	106.5	156.6	178.7
112.5°	2.4	47.7	100.3	145.6	166.4
115°	2.4	46.5	95.5	135.8	153.0
117.5°	3.7	45.3	91.8	126.0	139.5
120°	3.7	42.8	89.3	117.5	128.5
122.5°	3.7	40.4	85.7	110.1	118.7
125°	3.7	39.2	82.0	102.8	110.1
127.5°	3.7	36.7	78.3	96.7	104.0
130°	4.9	34.3	74.6	91.8	97.9
132.5°	4.9	31.8	71.0	89.3	94.2
135°	4.9	30.6	67.3	85.7	90.6
137.5°	4.9	28.1	63.6	82.0	86.9
140°	4.9	25.7	58.7	77.1	82.0
142.5°	4.9	24.5	53.8	72.2	77.1
145°	4.9	22.0	47.7	66.1	72.2
147.5°	6.1	20.8	42.8	61.2	66.1
150°	6.1	18.4	37.9	56.3	61.2
152.5°	6.1	15.9	33.0	50.2	55.1
155°	6.1	13.5	29.4	44.1	50.2
157.5°	6.1	12.2	25.7	36.7	44.1
160°	6.1	11.0	22.0	31.8	37.9
162.5°	6.1	9.8	19.6	26.9	33.0
165°	6.1	8.6	15.9	22.0	26.9
167.5°	7.3	8.6	13.5	17.1	22.0
170°	7.3	8.6	11.0	13.5	17.1
172.5°	7.3	7.3	8.6	9.8	11.0
175°	7.3	7.3	7.3	7.3	6.1
177.5°	7.3	7.3	7.3	6.1	6.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	6.1	6.1	6.1	6.1	6.1

(END OF REPORT)