

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: P566869

Luminaire Tested: **4SNX-84HL-LC-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566869
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-84HL-LC-UNV-L950-CD
Description: 4FT 8400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

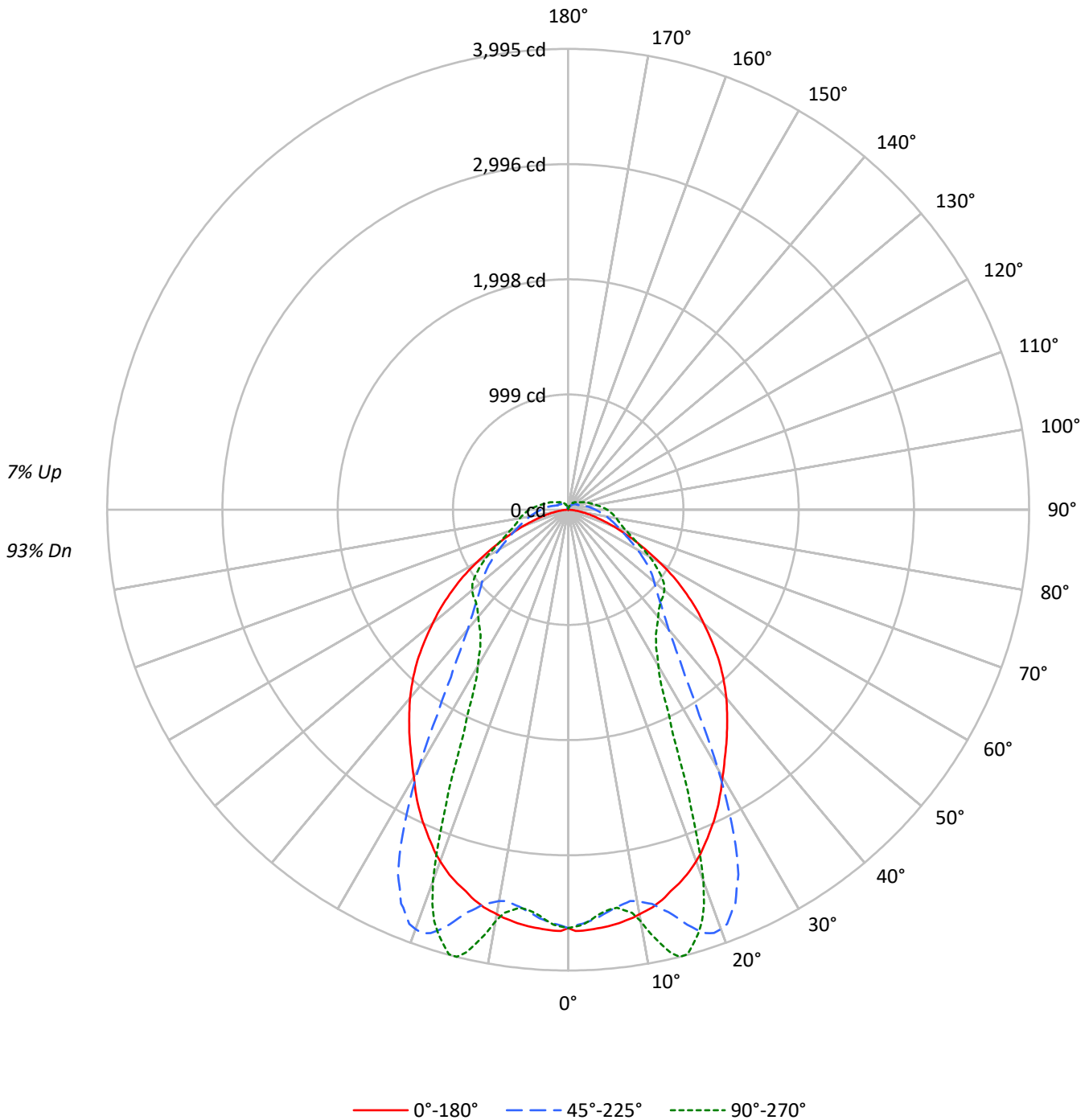
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8063.0 lumens
Efficiency: N/A
Efficacy: 139.3 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): 57.9
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	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°	39051	39051	39051
5°	39097	36446	35746
10°	38629	34606	35447
15°	37730	35996	37735
20°	36588	37487	31582
25°	34752	33602	19418
30°	32468	25008	14053
35°	30603	17246	11856
40°	28932	13373	10926
45°	26985	11375	10334
50°	24452	10198	10143
55°	21783	9212	9385
60°	18366	7961	8118
65°	14823	6923	6775
70°	11507	6212	5965
75°	8775	5763	5563
80°	5987	5444	5506
85°	3087	5177	5467



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.6	4.2
10°-20°	1031.6	12.8
20°-30°	1389.0	17.2
30°-40°	1314.5	16.3
40°-50°	1160.3	14.4
50°-60°	942.4	11.7
60°-70°	640.9	7.9
70°-80°	412.4	5.1
80°-90°	274.2	3.4
90°-100°	188.5	2.3
100°-110°	126.5	1.6
110°-120°	89.2	1.1
120°-130°	63.8	0.8
130°-140°	45.0	0.6
140°-150°	27.9	0.3
150°-160°	13.6	0.2
160°-170°	4.8	0.1
170°-180°	0.8	0.0
0°-30°	2758.1	34.2
0°-40°	4072.7	50.5
0°-60°	6175.4	76.6
0°-90°	7502.9	93.1
90°-120°	404.2	5.0
90°-150°	540.9	6.7
90°-180°	560.0	6.9
0°-180°	8063.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3628	3628	3628	3628	3628	
5°	3632	3598	3521	3518	3501	344
15°	3424	3401	3664	3987	3991	965
25°	2983	3537	3490	2535	2143	1369
35°	2397	3363	1773	1365	1323	1500
45°	1847	2263	1122	1108	1131	1418
55°	1230	1338	842	940	976	1098
65°	634	721	564	627	646	637
75°	244	341	398	446	467	265
85°	37	145	282	357	382	48
90°	1	101	235	316	337	2
95°	1	78	198	268	287	1
105°	2	54	130	183	206	2
115°	2	47	96	137	154	3
125°	4	39	82	103	111	3
135°	5	31	68	86	91	4
145°	5	22	48	66	73	3
155°	6	14	30	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°	3628.0	3628.0	3628.0	3628.0	3628.0
1°	3652.6	3641.5	3604.6	3624.3	3614.4
2°	3651.3	3632.9	3591.0	3613.2	3600.9
3°	3645.2	3625.5	3571.3	3584.9	3566.4
4°	3639.0	3615.6	3550.4	3550.4	3529.5
5°	3631.6	3598.4	3520.9	3518.4	3501.2
6°	3623.0	3584.9	3495.0	3492.5	3482.7
7°	3610.7	3561.5	3466.7	3483.9	3476.5
8°	3595.9	3539.3	3451.9	3495.0	3506.1
9°	3582.4	3512.2	3434.7	3529.5	3538.1
10°	3560.2	3487.6	3445.8	3598.4	3624.3
11°	3541.8	3466.7	3470.4	3666.1	3743.7
12°	3523.3	3444.5	3493.8	3751.1	3845.9
13°	3492.5	3427.3	3545.5	3843.4	3940.6
14°	3465.5	3413.7	3595.9	3937.0	3994.8
15°	3423.6	3401.4	3663.7	3987.4	3991.1
16°	3395.3	3392.8	3742.4	3991.1	3922.2
17°	3363.3	3389.1	3806.5	3927.1	3845.9
18°	3327.6	3396.5	3859.4	3847.1	3753.5
19°	3286.9	3403.9	3881.6	3736.3	3615.6
20°	3242.6	3415.0	3869.2	3620.6	3426.1
21°	3198.3	3429.8	3845.9	3498.7	3177.4
22.5°	3115.8	3465.5	3735.1	3156.5	2766.2
23°	3092.4	3472.8	3709.2	3049.4	2659.1
24°	3034.6	3503.6	3591.0	2799.4	2376.0
25°	2982.9	3536.9	3490.1	2534.8	2143.3
26°	2925.0	3561.5	3337.4	2291.0	2000.5
27°	2868.4	3576.2	3163.8	2101.4	1840.4
28°	2803.1	3592.3	2975.5	1937.7	1719.8
29°	2741.6	3594.7	2789.6	1807.2	1625.0
30°	2675.1	3582.4	2593.9	1702.6	1565.9
32.5°	2529.8	3514.7	2115.0	1503.1	1418.2
35°	2396.9	3363.3	1772.7	1365.3	1323.4
37.5°	2262.7	3124.4	1532.7	1279.1	1265.5
40°	2131.0	2841.3	1351.7	1210.1	1212.6
42.5°	1991.9	2549.5	1227.4	1153.5	1164.6
45°	1846.6	2262.7	1121.5	1108.0	1131.4
47.5°	1685.3	2000.5	1037.8	1078.4	1114.1
50°	1532.7	1740.7	972.5	1050.1	1087.0
52.5°	1387.4	1527.8	913.5	1002.1	1045.2
55°	1229.8	1338.2	842.0	940.5	976.2
57.5°	1079.6	1167.1	767.0	864.2	896.2
60°	914.7	998.4	690.6	781.7	812.5
62.5°	765.7	854.4	625.4	699.2	723.9
65°	634.0	721.4	563.8	626.6	646.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	517.0	610.6	513.4	566.3	584.8
70°	407.5	506.0	469.0	517.0	536.7
72.5°	318.8	418.6	432.1	476.4	496.1
75°	243.8	341.0	397.6	445.6	466.6
77.5°	181.0	278.2	365.6	421.0	443.2
80°	119.4	221.6	337.3	398.9	424.7
82.5°	75.1	178.5	309.0	376.7	403.8
85°	36.9	145.3	281.9	357.0	381.6
87.5°	12.3	120.6	257.3	337.3	358.2
90°	1.2	100.9	235.1	316.4	337.3
92.5°	1.2	87.4	216.7	291.8	312.7
95°	1.2	77.6	198.2	268.4	286.8
97.5°	1.2	70.2	181.0	243.8	263.4
100°	1.2	62.8	162.5	220.4	241.3
102.5°	2.5	57.9	146.5	200.7	222.8
105°	2.5	54.2	130.5	183.4	205.6
107.5°	2.5	51.7	117.0	169.9	190.8
110°	2.5	49.2	107.1	157.6	179.7
112.5°	2.5	48.0	100.9	146.5	167.4
115°	2.5	46.8	96.0	136.6	153.9
117.5°	3.7	45.5	92.3	126.8	140.3
120°	3.7	43.1	89.9	118.2	129.3
122.5°	3.7	40.6	86.2	110.8	119.4
125°	3.7	39.4	82.5	103.4	110.8
127.5°	3.7	36.9	78.8	97.3	104.6
130°	4.9	34.5	75.1	92.3	98.5
132.5°	4.9	32.0	71.4	89.9	94.8
135°	4.9	30.8	67.7	86.2	91.1
137.5°	4.9	28.3	64.0	82.5	87.4
140°	4.9	25.9	59.1	77.6	82.5
142.5°	4.9	24.6	54.2	72.6	77.6
145°	4.9	22.2	48.0	66.5	72.6
147.5°	6.2	20.9	43.1	61.6	66.5
150°	6.2	18.5	38.2	56.6	61.6
152.5°	6.2	16.0	33.2	50.5	55.4
155°	6.2	13.5	29.5	44.3	50.5
157.5°	6.2	12.3	25.9	36.9	44.3
160°	6.2	11.1	22.2	32.0	38.2
162.5°	6.2	9.8	19.7	27.1	33.2
165°	6.2	8.6	16.0	22.2	27.1
167.5°	7.4	8.6	13.5	17.2	22.2
170°	7.4	8.6	11.1	13.5	17.2
172.5°	7.4	7.4	8.6	9.8	11.1
175°	7.4	7.4	7.4	7.4	6.2
177.5°	7.4	7.4	7.4	6.2	6.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	6.2	6.2	6.2	6.2	6.2

(END OF REPORT)