

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: P566482

Luminaire Tested: **4SNX-48SL-LC-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566482
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-48SL-LC-UNV-L930-CD
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

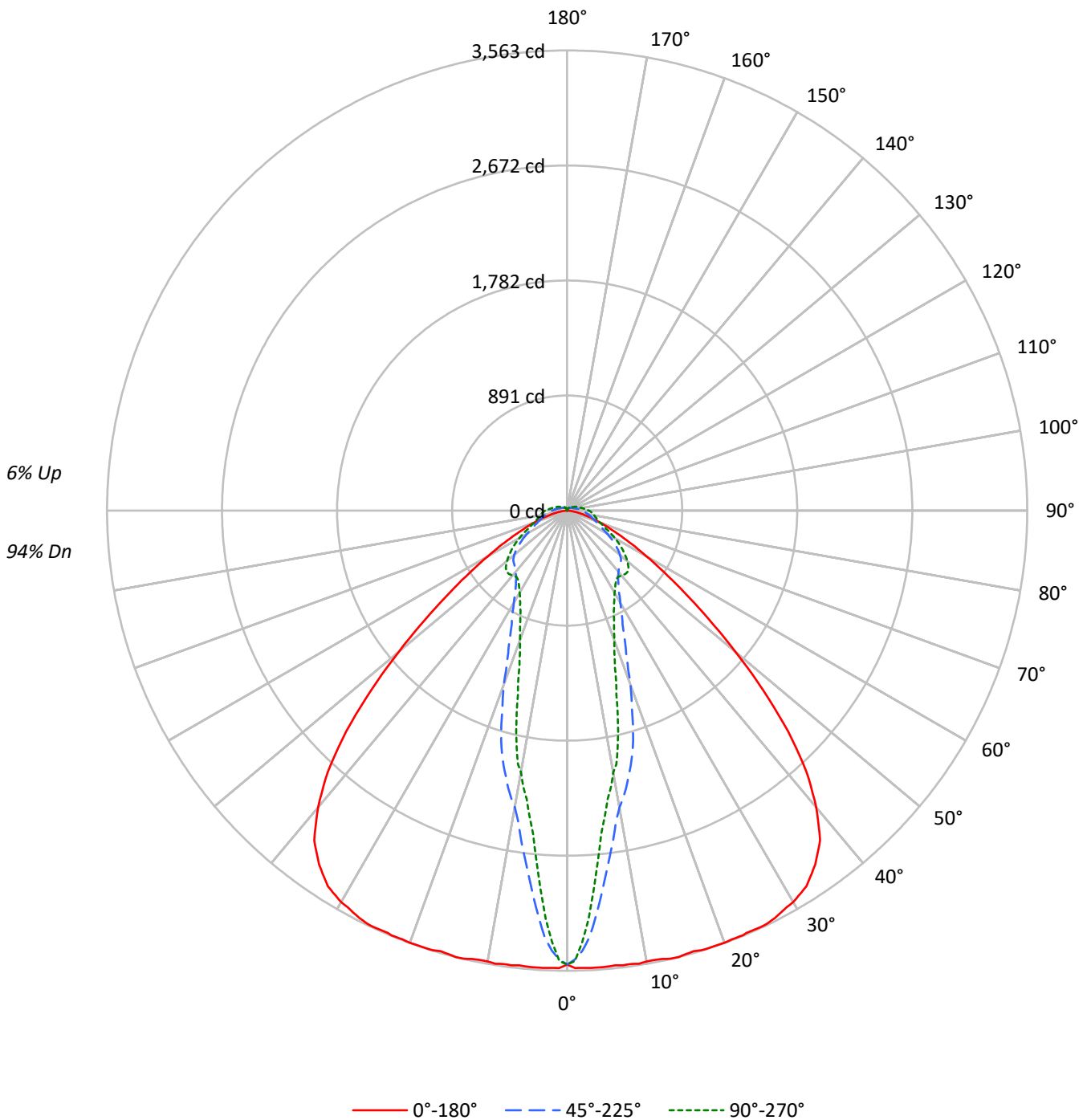
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4332.0 lumens
Efficiency: N/A
Efficacy: 135.0 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 32.1
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	37828	37828	37828
5°	38169	31070	27811
10°	38468	23455	20128
15°	39170	19173	13937
20°	40180	13873	9843
25°	41434	9939	7744
30°	42492	7940	6595
35°	42744	6716	5907
40°	40750	6106	5921
45°	35362	5900	6083
50°	27130	5610	5676
55°	19661	4906	5036
60°	14264	4095	4258
65°	10381	3462	3491
70°	7647	3058	3010
75°	5435	2832	2805
80°	3560	2652	2763
85°	1673	2527	2767



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.4	6.4
10°-20°	600.2	13.9
20°-30°	687.0	15.9
30°-40°	688.2	15.9
40°-50°	651.5	15.0
50°-60°	499.6	11.5
60°-70°	322.0	7.4
70°-80°	205.4	4.7
80°-90°	136.4	3.1
90°-100°	91.7	2.1
100°-110°	60.4	1.4
110°-120°	42.0	1.0
120°-130°	29.3	0.7
130°-140°	20.3	0.5
140°-150°	12.5	0.3
150°-160°	6.3	0.1
160°-170°	2.4	0.1
170°-180°	0.5	0.0
0°-30°	1563.5	36.1
0°-40°	2251.7	52.0
0°-60°	3402.8	78.6
0°-90°	4066.5	93.9
90°-120°	194.1	4.5
90°-150°	256.2	5.9
90°-180°	265.0	6.1
0°-180°	4332.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3514	3514	3514	3514	3514	
5°	3545	3350	3002	2800	2724	338
15°	3554	2560	1951	1603	1474	1008
25°	3556	1812	1032	897	855	1640
35°	3348	1008	690	668	659	2077
45°	2420	637	582	644	666	1840
55°	1110	455	448	504	524	1021
65°	444	286	282	322	333	457
75°	151	155	195	224	235	166
85°	20	71	138	180	193	27
90°	0	49	115	160	166	1
95°	0	36	96	131	138	0
105°	0	27	62	89	96	1
115°	2	22	47	64	69	2
125°	2	20	40	47	49	2
135°	2	16	31	38	40	2
145°	2	11	22	29	31	1
155°	2	7	13	20	22	1
165°	4	4	9	11	13	1
175°	4	4	4	4	2	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3514.3	3514.3	3514.3	3514.3	3514.3
1°	3543.2	3523.2	3476.6	3489.9	3487.7
2°	3543.2	3501.0	3410.0	3383.3	3343.4
3°	3545.4	3463.3	3307.9	3221.3	3165.8
4°	3545.4	3407.8	3156.9	3012.6	2941.6
5°	3545.4	3350.0	3001.5	2799.5	2724.0
6°	3541.0	3281.2	2843.9	2630.8	2517.5
7°	3547.6	3205.7	2701.8	2473.1	2384.3
8°	3545.4	3116.9	2570.8	2353.2	2255.6
9°	3552.1	3030.4	2428.7	2240.0	2166.8
10°	3545.4	2950.4	2335.5	2133.5	2058.0
11°	3545.4	2872.7	2268.9	2064.6	2000.3
12°	3549.8	2783.9	2195.6	1967.0	1878.2
13°	3560.9	2692.9	2111.3	1860.4	1756.1
14°	3563.2	2624.1	2033.6	1725.0	1616.2
15°	3554.3	2559.7	1951.4	1602.9	1474.1
16°	3549.8	2493.1	1853.7	1487.4	1372.0
17°	3558.7	2415.4	1742.7	1369.8	1263.2
18°	3560.9	2344.4	1625.1	1281.0	1187.7
19°	3560.9	2288.9	1529.6	1198.8	1118.9
20°	3560.9	2235.6	1431.9	1136.7	1067.8
21°	3556.5	2169.0	1320.9	1072.3	1014.6
22.5°	3558.7	2044.7	1194.4	996.8	950.2
23°	3552.1	2013.6	1163.3	976.8	928.0
24°	3554.3	1924.8	1096.7	936.9	890.2
25°	3556.5	1811.6	1032.3	896.9	854.7
26°	3552.1	1720.5	979.0	859.2	830.3
27°	3541.0	1647.3	941.3	828.1	801.4
28°	3525.4	1549.6	901.3	801.4	777.0
29°	3509.9	1438.6	861.4	772.6	754.8
30°	3501.0	1349.8	823.6	750.4	734.8
32.5°	3447.7	1174.4	745.9	706.0	692.7
35°	3347.8	1007.9	690.4	668.2	659.4
37.5°	3216.8	879.1	648.3	643.8	646.0
40°	3001.5	777.0	617.2	637.2	657.1
42.5°	2744.0	697.1	595.0	643.8	666.0
45°	2419.8	637.2	581.7	643.8	666.0
47.5°	2060.2	588.3	566.1	621.6	643.8
50°	1700.6	543.9	535.0	588.3	608.3
52.5°	1383.1	501.7	495.1	546.1	566.1
55°	1110.0	455.1	448.4	503.9	523.9
57.5°	890.2	410.7	404.0	455.1	475.1
60°	710.4	366.3	355.2	406.3	426.2
62.5°	566.1	324.1	317.5	361.9	379.6
65°	444.0	286.4	281.9	321.9	333.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	350.8	250.9	253.1	286.4	299.7
70°	270.8	217.6	230.9	262.0	270.8
72.5°	204.2	184.3	213.1	239.8	250.9
75°	151.0	155.4	195.4	224.2	235.3
77.5°	104.3	128.8	179.8	210.9	222.0
80°	71.0	104.3	164.3	199.8	213.1
82.5°	42.2	86.6	151.0	188.7	204.2
85°	20.0	71.0	137.6	179.8	193.1
87.5°	6.7	57.7	124.3	170.9	182.0
90°	0.0	48.8	115.4	159.8	166.5
92.5°	0.0	42.2	104.3	146.5	151.0
95°	0.0	35.5	95.5	131.0	137.6
97.5°	0.0	33.3	88.8	117.7	126.5
100°	0.0	31.1	79.9	106.6	115.4
102.5°	0.0	26.6	71.0	95.5	104.3
105°	0.0	26.6	62.2	88.8	95.5
107.5°	2.2	24.4	57.7	79.9	88.8
110°	2.2	24.4	51.1	75.5	82.1
112.5°	2.2	24.4	48.8	68.8	77.7
115°	2.2	22.2	46.6	64.4	68.8
117.5°	2.2	22.2	44.4	57.7	62.2
120°	2.2	20.0	42.2	53.3	55.5
122.5°	2.2	20.0	40.0	48.8	51.1
125°	2.2	20.0	40.0	46.6	48.8
127.5°	2.2	17.8	37.7	44.4	44.4
130°	2.2	17.8	35.5	42.2	42.2
132.5°	2.2	15.5	33.3	40.0	42.2
135°	2.2	15.5	31.1	37.7	40.0
137.5°	2.2	13.3	28.9	35.5	37.7
140°	2.2	13.3	26.6	33.3	35.5
142.5°	2.2	11.1	24.4	31.1	33.3
145°	2.2	11.1	22.2	28.9	31.1
147.5°	2.2	11.1	20.0	26.6	28.9
150°	2.2	8.9	17.8	24.4	26.6
152.5°	2.2	8.9	15.5	22.2	24.4
155°	2.2	6.7	13.3	20.0	22.2
157.5°	2.2	6.7	13.3	17.8	20.0
160°	4.4	6.7	11.1	15.5	17.8
162.5°	2.2	4.4	11.1	13.3	15.5
165°	4.4	4.4	8.9	11.1	13.3
167.5°	4.4	4.4	6.7	8.9	11.1
170°	4.4	4.4	6.7	6.7	8.9
172.5°	4.4	4.4	4.4	6.7	4.4
175°	4.4	4.4	4.4	4.4	2.2
177.5°	4.4	4.4	4.4	4.4	2.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.4	4.4	4.4	4.4	4.4

(END OF REPORT)