

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: P566678

Luminaire Tested: **4SNX-63SL-LN-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566678
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-63SL-LN-UNV-L830-CD
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

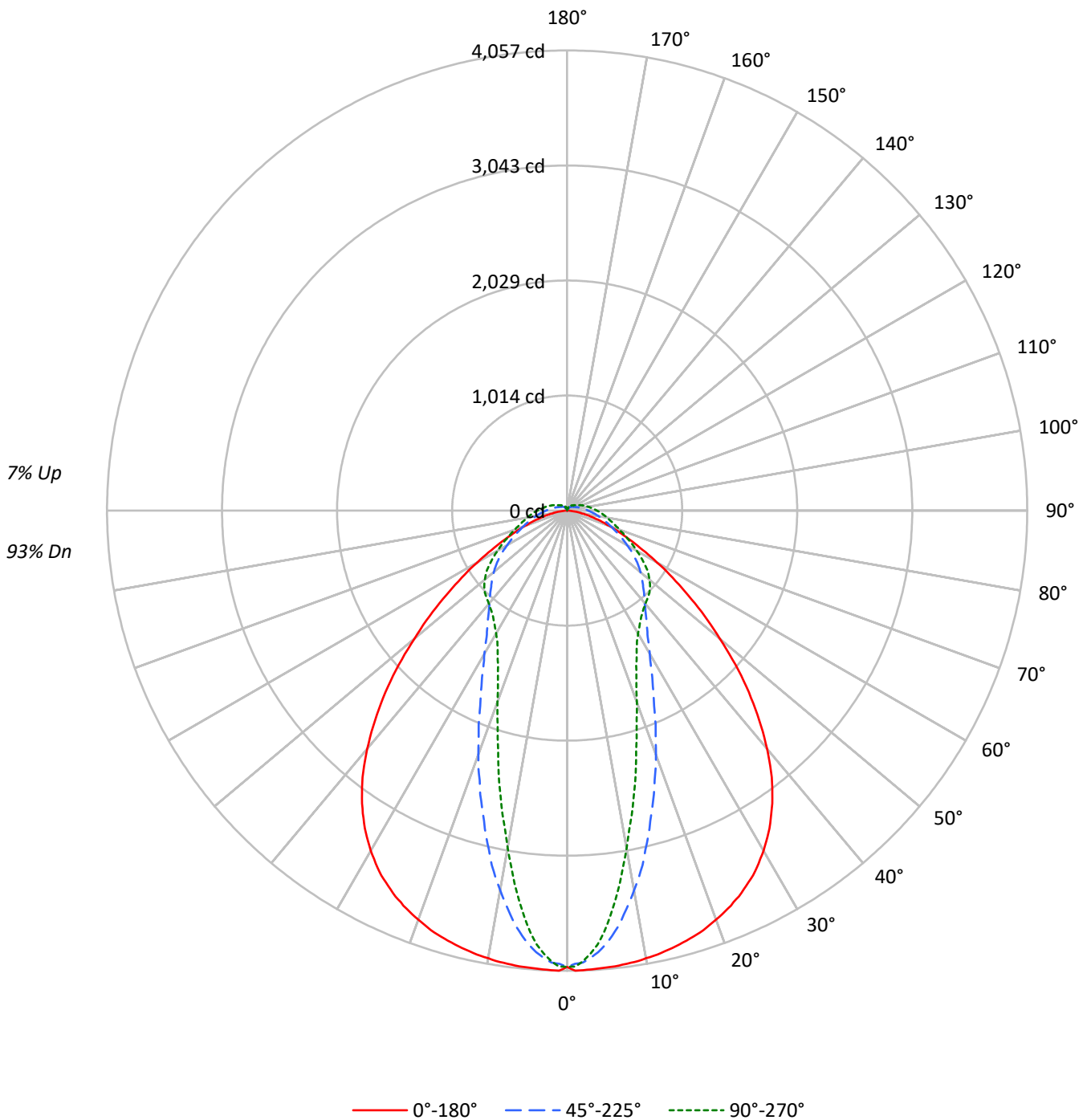
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6414.0 lumens
Efficiency: N/A
Efficacy: 144.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 44.4
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	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	88	89	87	85	85	83	81	78
2	99	91	84	79	95	88	82	77	84	79	75	79	75	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	67	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	59	51	45	56	49	44	54	48	43	52	46	42	40
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	43311	43311	43311
5°	43536	39806	38094
10°	43476	34131	29556
15°	43454	27841	22152
20°	43315	22179	16578
25°	42922	17379	13157
30°	42022	14065	11223
35°	40258	11904	10208
40°	37241	10509	9662
45°	33108	9614	9364
50°	28048	8847	8845
55°	23042	8017	8079
60°	18426	7052	7087
65°	14304	6191	6167
70°	11106	5477	5455
75°	8591	4921	4970
80°	6067	4503	4620
85°	3371	4198	4431



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	356.3	5.6
10°-20°	835.2	13.0
20°-30°	991.4	15.5
30°-40°	997.5	15.6
40°-50°	927.2	14.5
50°-60°	763.5	11.9
60°-70°	538.0	8.4
70°-80°	351.5	5.5
80°-90°	224.4	3.5
90°-100°	147.2	2.3
100°-110°	99.9	1.6
110°-120°	68.5	1.1
120°-130°	47.4	0.7
130°-140°	31.9	0.5
140°-150°	19.7	0.3
150°-160°	10.2	0.2
160°-170°	3.7	0.1
170°-180°	0.6	0.0
0°-30°	2183.0	34.0
0°-40°	3180.5	49.6
0°-60°	4871.2	75.9
0°-90°	5985.0	93.3
90°-120°	315.6	4.9
90°-150°	414.5	6.5
90°-180°	429.0	6.7
0°-180°	6414.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4024	4024	4024	4024	4024	
5°	4044	3990	3846	3772	3731	385
15°	3943	3523	2834	2477	2343	1114
25°	3684	2723	1805	1516	1452	1695
35°	3153	1842	1224	1146	1140	1961
45°	2266	1214	948	998	1025	1739
55°	1301	797	733	814	840	1175
65°	612	481	504	568	588	621
75°	239	249	340	400	417	258
85°	40	114	229	296	309	51
90°	0	77	185	252	262	2
95°	0	57	155	212	222	0
105°	0	40	104	148	161	0
115°	3	34	74	108	114	3
125°	3	27	60	77	84	3
135°	3	24	47	60	64	3
145°	3	17	34	47	50	2
155°	3	13	24	34	37	2
165°	3	7	13	17	20	1
175°	7	7	7	7	3	0
180°	3	3	3	3	3	



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CATALOG NUMBER: 4SNX-63SL-LN-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4023.7	4023.7	4023.7	4023.7	4023.7
1°	4057.3	4040.5	3996.8	4027.1	4020.3
2°	4053.9	4037.1	3986.7	4000.2	3976.6
3°	4050.6	4027.1	3949.7	3946.4	3912.8
4°	4047.2	4010.2	3902.7	3862.3	3835.5
5°	4043.9	3990.1	3845.5	3771.6	3731.2
6°	4040.5	3966.5	3771.6	3660.7	3603.5
7°	4033.8	3929.6	3694.3	3543.0	3469.0
8°	4027.1	3896.0	3596.8	3415.3	3324.5
9°	4020.3	3852.3	3499.3	3277.4	3169.9
10°	4006.9	3808.6	3398.5	3136.3	3022.0
11°	4000.2	3758.1	3301.0	3001.8	2867.3
12°	3986.7	3704.4	3196.8	2860.6	2743.0
13°	3973.3	3647.2	3069.0	2739.6	2598.4
14°	3959.8	3586.7	2958.1	2605.1	2474.1
15°	3943.0	3522.8	2833.7	2477.4	2343.0
16°	3926.2	3448.9	2722.8	2346.3	2205.1
17°	3909.4	3378.3	2618.6	2225.3	2097.6
18°	3889.2	3307.7	2497.6	2107.6	1983.3
19°	3862.3	3227.0	2400.1	2000.1	1885.8
20°	3838.8	3153.1	2289.2	1899.2	1798.4
21°	3811.9	3062.3	2178.2	1805.1	1704.3
22.5°	3771.6	2934.6	2037.1	1687.5	1593.3
23°	3751.4	2897.6	1979.9	1643.8	1563.1
24°	3724.5	2800.1	1885.8	1576.5	1495.9
25°	3684.2	2722.8	1805.1	1516.0	1452.2
26°	3647.2	2628.7	1724.4	1462.2	1398.4
27°	3610.2	2537.9	1653.8	1405.1	1351.3
28°	3563.2	2443.8	1576.5	1358.0	1311.0
29°	3512.7	2356.4	1512.7	1317.7	1280.7
30°	3462.3	2258.9	1458.9	1280.7	1250.5
32.5°	3321.1	2043.8	1321.1	1210.1	1190.0
35°	3153.1	1842.1	1223.6	1146.3	1139.5
37.5°	2964.8	1657.2	1136.2	1095.8	1102.6
40°	2743.0	1489.1	1062.2	1058.9	1072.3
42.5°	2507.7	1344.6	1005.1	1028.6	1048.8
45°	2265.6	1213.5	947.9	998.4	1025.3
47.5°	2013.5	1099.2	897.5	961.4	991.6
50°	1758.1	988.3	843.7	917.7	947.9
52.5°	1529.5	890.8	789.9	867.3	900.9
55°	1300.9	796.7	732.8	813.5	840.4
57.5°	1102.6	709.3	672.3	753.0	773.1
60°	917.7	625.2	611.8	685.7	709.3
62.5°	749.6	551.3	554.6	625.2	648.8
65°	611.8	480.7	504.2	568.1	588.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	497.5	413.5	453.8	521.0	537.8
70°	393.3	353.0	413.5	474.0	490.8
72.5°	312.6	299.2	373.1	437.0	450.4
75°	238.7	248.7	339.5	400.0	416.8
77.5°	171.4	208.4	305.9	369.8	383.2
80°	121.0	171.4	279.0	342.9	356.3
82.5°	77.3	141.2	252.1	319.3	332.8
85°	40.3	114.3	228.6	295.8	309.3
87.5°	16.8	94.1	205.1	272.3	285.7
90°	0.0	77.3	184.9	252.1	262.2
92.5°	0.0	67.2	168.1	231.9	242.0
95°	0.0	57.1	154.6	211.8	221.9
97.5°	0.0	53.8	137.8	195.0	205.1
100°	0.0	47.1	124.4	178.2	191.6
102.5°	0.0	43.7	114.3	161.4	174.8
105°	0.0	40.3	104.2	147.9	161.4
107.5°	0.0	37.0	97.5	137.8	147.9
110°	0.0	37.0	87.4	127.7	137.8
112.5°	3.4	33.6	80.7	114.3	124.4
115°	3.4	33.6	74.0	107.6	114.3
117.5°	3.4	33.6	70.6	97.5	104.2
120°	3.4	30.3	67.2	90.8	97.5
122.5°	3.4	30.3	63.9	84.0	87.4
125°	3.4	26.9	60.5	77.3	84.0
127.5°	3.4	26.9	57.1	74.0	77.3
130°	3.4	26.9	53.8	67.2	74.0
132.5°	3.4	23.5	50.4	63.9	67.2
135°	3.4	23.5	47.1	60.5	63.9
137.5°	3.4	20.2	43.7	57.1	60.5
140°	3.4	20.2	40.3	53.8	57.1
142.5°	3.4	16.8	37.0	50.4	53.8
145°	3.4	16.8	33.6	47.1	50.4
147.5°	3.4	16.8	30.3	43.7	47.1
150°	3.4	13.4	26.9	40.3	43.7
152.5°	3.4	13.4	23.5	37.0	40.3
155°	3.4	13.4	23.5	33.6	37.0
157.5°	3.4	10.1	20.2	26.9	33.6
160°	3.4	10.1	16.8	23.5	30.3
162.5°	3.4	10.1	16.8	20.2	23.5
165°	3.4	6.7	13.4	16.8	20.2
167.5°	3.4	6.7	10.1	13.4	16.8
170°	3.4	6.7	10.1	10.1	13.4
172.5°	3.4	6.7	6.7	6.7	6.7
175°	6.7	6.7	6.7	6.7	3.4
177.5°	6.7	6.7	6.7	3.4	3.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.4	3.4	3.4	3.4	3.4

(END OF REPORT)