

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: P566684

Luminaire Tested: **4SNX-63SL-LN-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566684
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-L940-CD
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

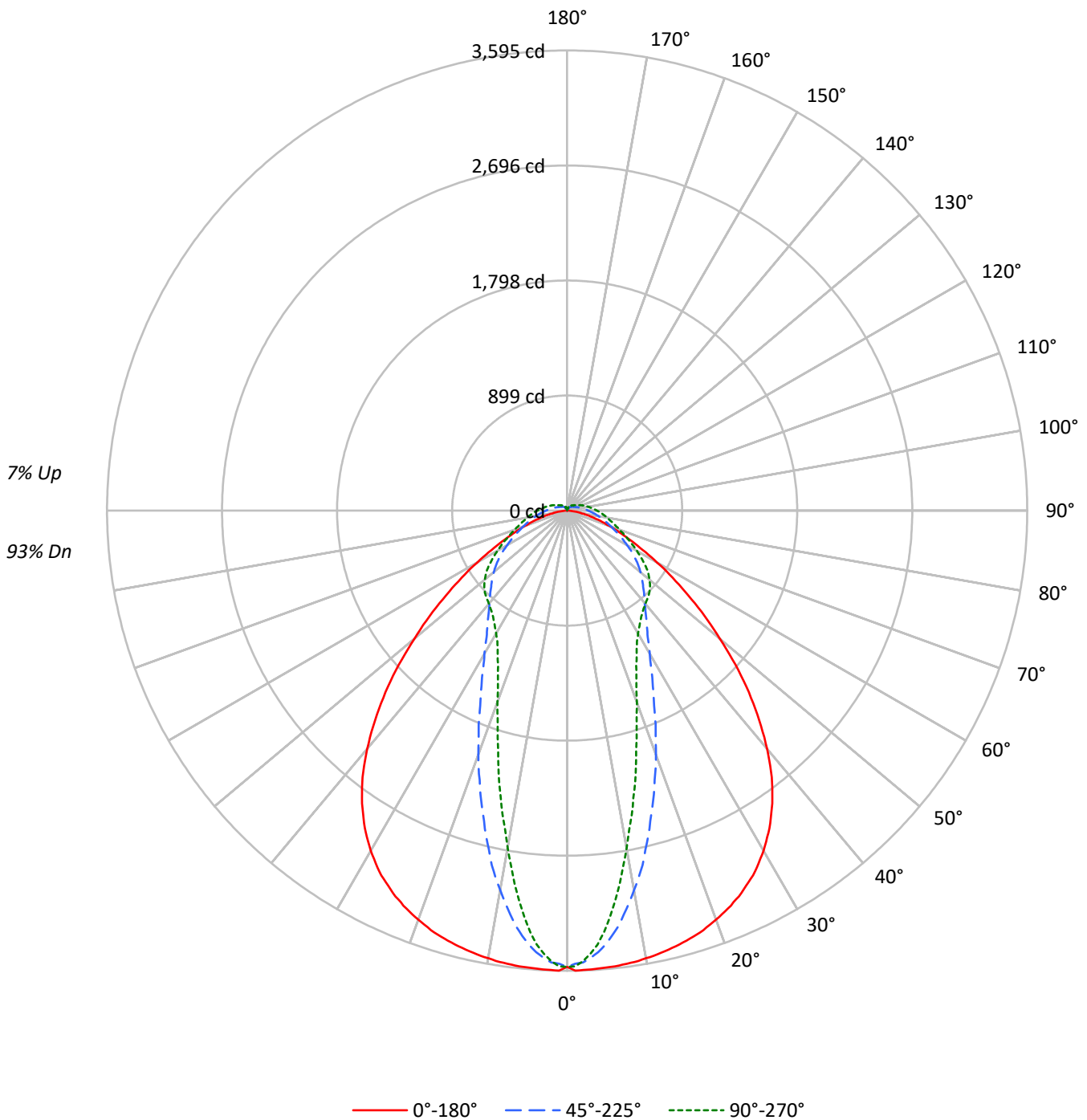
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5683.0 lumens
Efficiency: N/A
Efficacy: 128.0 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	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°	38374	38374	38374
5°	38574	35270	33753
10°	38521	30240	26188
15°	38502	24669	19627
20°	38379	19651	14688
25°	38030	15399	11658
30°	37233	12462	9944
35°	35669	10547	9045
40°	32997	9312	8561
45°	29335	8519	8297
50°	24851	7839	7838
55°	20415	7104	7158
60°	16326	6249	6278
65°	12675	5487	5464
70°	9841	4852	4832
75°	7612	4360	4403
80°	5375	3990	4093
85°	2987	3719	3926



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.7	5.6
10°-20°	740.0	13.0
20°-30°	878.4	15.5
30°-40°	883.8	15.6
40°-50°	821.5	14.5
50°-60°	676.5	11.9
60°-70°	476.7	8.4
70°-80°	311.4	5.5
80°-90°	198.8	3.5
90°-100°	130.4	2.3
100°-110°	88.5	1.6
110°-120°	60.7	1.1
120°-130°	42.0	0.7
130°-140°	28.2	0.5
140°-150°	17.4	0.3
150°-160°	9.0	0.2
160°-170°	3.3	0.1
170°-180°	0.6	0.0
0°-30°	1934.2	34.0
0°-40°	2818.0	49.6
0°-60°	4316.0	75.9
0°-90°	5302.9	93.3
90°-120°	279.6	4.9
90°-150°	367.2	6.5
90°-180°	380.0	6.7
0°-180°	5683.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3565	3565	3565	3565	3565	
5°	3583	3535	3407	3342	3306	341
15°	3494	3121	2511	2195	2076	987
25°	3264	2412	1599	1343	1287	1502
35°	2794	1632	1084	1016	1010	1737
45°	2007	1075	840	885	908	1541
55°	1153	706	649	721	745	1041
65°	542	426	447	503	521	550
75°	212	220	301	354	369	229
85°	36	101	202	262	274	45
90°	0	68	164	223	232	2
95°	0	51	137	188	197	0
105°	0	36	92	131	143	0
115°	3	30	66	95	101	3
125°	3	24	54	68	74	3
135°	3	21	42	54	57	2
145°	3	15	30	42	45	2
155°	3	12	21	30	33	1
165°	3	6	12	15	18	1
175°	6	6	6	6	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3565.1	3565.1	3565.1	3565.1	3565.1
1°	3594.9	3580.0	3541.3	3568.1	3562.1
2°	3591.9	3577.0	3532.4	3544.3	3523.4
3°	3588.9	3568.1	3499.6	3496.6	3466.8
4°	3586.0	3553.2	3457.9	3422.2	3398.3
5°	3583.0	3535.3	3407.3	3341.7	3306.0
6°	3580.0	3514.5	3341.7	3243.5	3192.8
7°	3574.1	3481.7	3273.2	3139.2	3073.7
8°	3568.1	3451.9	3186.9	3026.0	2945.6
9°	3562.1	3413.2	3100.5	2903.9	2808.6
10°	3550.2	3374.5	3011.1	2778.8	2677.6
11°	3544.3	3329.8	2924.8	2659.7	2540.6
12°	3532.4	3282.2	2832.4	2534.6	2430.4
13°	3520.4	3231.5	2719.3	2427.4	2302.3
14°	3508.5	3177.9	2621.0	2308.2	2192.1
15°	3493.6	3121.3	2510.8	2195.1	2075.9
16°	3478.7	3055.8	2412.5	2078.9	1953.8
17°	3463.9	2993.3	2320.2	1971.7	1858.5
18°	3446.0	2930.7	2212.9	1867.4	1757.2
19°	3422.2	2859.2	2126.6	1772.1	1670.9
20°	3401.3	2793.7	2028.3	1682.8	1593.4
21°	3377.5	2713.3	1930.0	1599.4	1510.0
22.5°	3341.7	2600.1	1804.9	1495.1	1411.8
23°	3323.9	2567.4	1754.3	1456.4	1384.9
24°	3300.0	2481.0	1670.9	1396.9	1325.4
25°	3264.3	2412.5	1599.4	1343.2	1286.7
26°	3231.5	2329.1	1527.9	1295.6	1239.0
27°	3198.8	2248.7	1465.4	1245.0	1197.3
28°	3157.1	2165.3	1396.9	1203.3	1161.6
29°	3112.4	2087.8	1340.3	1167.5	1134.8
30°	3067.7	2001.5	1292.6	1134.8	1108.0
32.5°	2942.6	1810.9	1170.5	1072.2	1054.3
35°	2793.7	1632.2	1084.1	1015.6	1009.7
37.5°	2626.9	1468.3	1006.7	971.0	976.9
40°	2430.4	1319.4	941.2	938.2	950.1
42.5°	2221.9	1191.4	890.5	911.4	929.3
45°	2007.4	1075.2	839.9	884.6	908.4
47.5°	1784.0	973.9	795.2	851.8	878.6
50°	1557.7	875.6	747.6	813.1	839.9
52.5°	1355.2	789.3	699.9	768.4	798.2
55°	1152.6	705.9	649.3	720.8	744.6
57.5°	976.9	628.4	595.7	667.2	685.0
60°	813.1	554.0	542.1	607.6	628.4
62.5°	664.2	488.5	491.4	554.0	574.8
65°	542.1	425.9	446.8	503.3	521.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	440.8	366.3	402.1	461.6	476.5
70°	348.5	312.7	366.3	420.0	434.8
72.5°	277.0	265.1	330.6	387.2	399.1
75°	211.5	220.4	300.8	354.4	369.3
77.5°	151.9	184.7	271.0	327.6	339.5
80°	107.2	151.9	247.2	303.8	315.7
82.5°	68.5	125.1	223.4	282.9	294.9
85°	35.7	101.3	202.5	262.1	274.0
87.5°	14.9	83.4	181.7	241.2	253.2
90°	0.0	68.5	163.8	223.4	232.3
92.5°	0.0	59.6	148.9	205.5	214.4
95°	0.0	50.6	137.0	187.6	196.6
97.5°	0.0	47.7	122.1	172.7	181.7
100°	0.0	41.7	110.2	157.9	169.8
102.5°	0.0	38.7	101.3	143.0	154.9
105°	0.0	35.7	92.3	131.0	143.0
107.5°	0.0	32.8	86.4	122.1	131.0
110°	0.0	32.8	77.4	113.2	122.1
112.5°	3.0	29.8	71.5	101.3	110.2
115°	3.0	29.8	65.5	95.3	101.3
117.5°	3.0	29.8	62.5	86.4	92.3
120°	3.0	26.8	59.6	80.4	86.4
122.5°	3.0	26.8	56.6	74.5	77.4
125°	3.0	23.8	53.6	68.5	74.5
127.5°	3.0	23.8	50.6	65.5	68.5
130°	3.0	23.8	47.7	59.6	65.5
132.5°	3.0	20.8	44.7	56.6	59.6
135°	3.0	20.8	41.7	53.6	56.6
137.5°	3.0	17.9	38.7	50.6	53.6
140°	3.0	17.9	35.7	47.7	50.6
142.5°	3.0	14.9	32.8	44.7	47.7
145°	3.0	14.9	29.8	41.7	44.7
147.5°	3.0	14.9	26.8	38.7	41.7
150°	3.0	11.9	23.8	35.7	38.7
152.5°	3.0	11.9	20.8	32.8	35.7
155°	3.0	11.9	20.8	29.8	32.8
157.5°	3.0	8.9	17.9	23.8	29.8
160°	3.0	8.9	14.9	20.8	26.8
162.5°	3.0	8.9	14.9	17.9	20.8
165°	3.0	6.0	11.9	14.9	17.9
167.5°	3.0	6.0	8.9	11.9	14.9
170°	3.0	6.0	8.9	8.9	11.9
172.5°	3.0	6.0	6.0	6.0	6.0
175°	6.0	6.0	6.0	6.0	3.0
177.5°	6.0	6.0	6.0	3.0	3.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.0	3.0	3.0	3.0	3.0

(END OF REPORT)