

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: P566675

Luminaire Tested: **4SNX-63SL-LC-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566675
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-63SL-LC-UNV-L935-CD
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

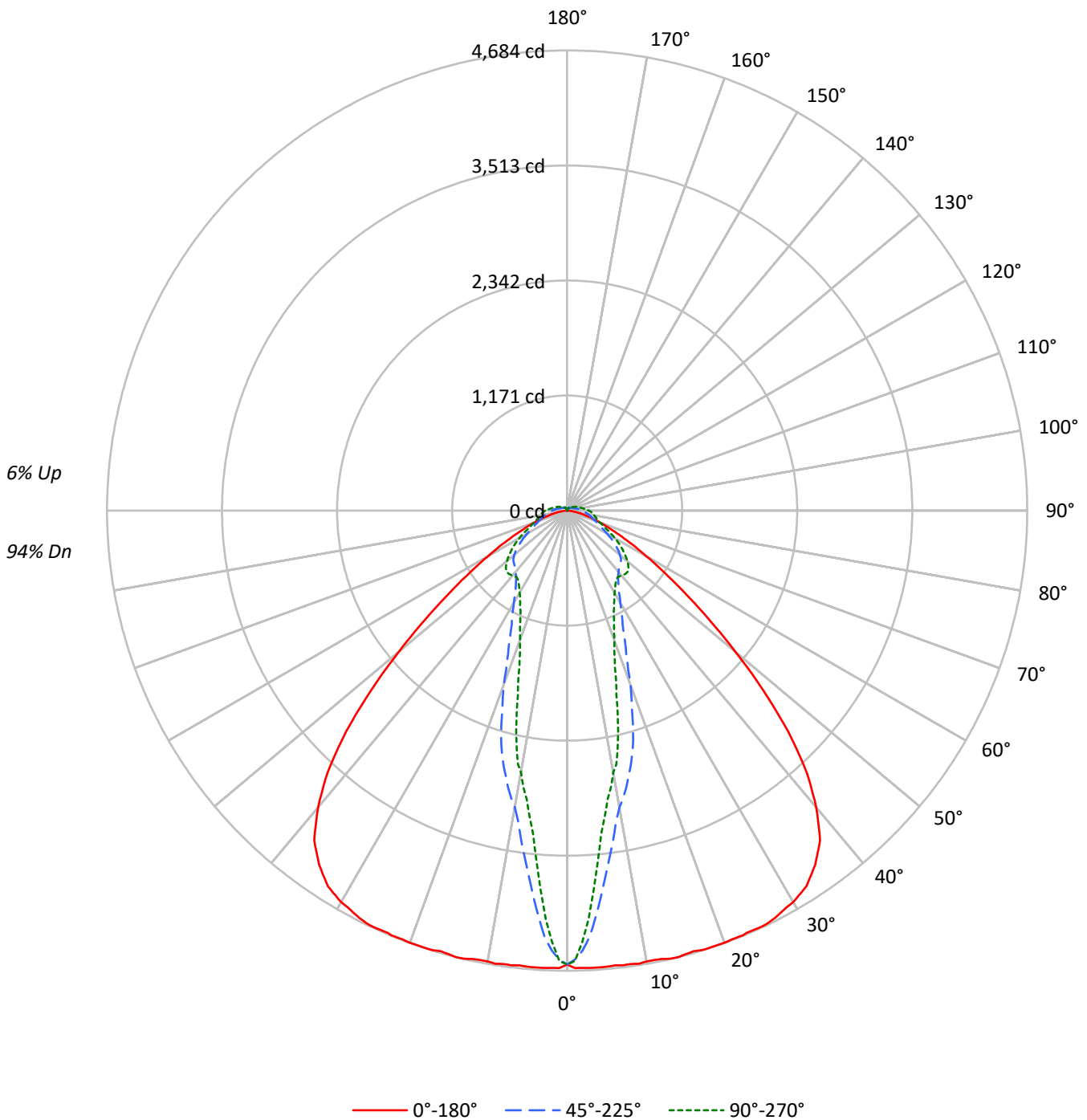
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5695.0 lumens
Efficiency: N/A
Efficacy: 128.3 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): 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	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°	49730	49730	49730
5°	50178	40846	36561
10°	50572	30835	26460
15°	51495	25205	18322
20°	52822	18239	12940
25°	54471	13066	10180
30°	55861	10439	8670
35°	56194	8830	7765
40°	53572	8027	7784
45°	46489	7756	7997
50°	35666	7376	7462
55°	25848	6449	6622
60°	18752	5383	5599
65°	13647	4552	4589
70°	10056	4020	3958
75°	7144	3722	3689
80°	4683	3486	3633
85°	2200	3322	3638



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	363.3	6.4
10°-20°	789.0	13.9
20°-30°	903.1	15.9
30°-40°	904.7	15.9
40°-50°	856.4	15.0
50°-60°	656.8	11.5
60°-70°	423.4	7.4
70°-80°	270.0	4.7
80°-90°	179.3	3.1
90°-100°	120.5	2.1
100°-110°	79.4	1.4
110°-120°	55.2	1.0
120°-130°	38.5	0.7
130°-140°	26.7	0.5
140°-150°	16.4	0.3
150°-160°	8.3	0.1
160°-170°	3.2	0.1
170°-180°	0.6	0.0
0°-30°	2055.4	36.1
0°-40°	2960.2	52.0
0°-60°	4473.4	78.6
0°-90°	5346.1	93.9
90°-120°	255.2	4.5
90°-150°	336.8	5.9
90°-180°	349.0	6.1
0°-180°	5695.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4620	4620	4620	4620	4620	
5°	4661	4404	3946	3680	3581	445
15°	4673	3365	2565	2107	1938	1325
25°	4676	2382	1357	1179	1124	2155
35°	4401	1325	908	878	867	2731
45°	3181	838	765	846	876	2419
55°	1459	598	590	662	689	1342
65°	584	376	371	423	438	600
75°	198	204	257	295	309	218
85°	26	93	181	236	254	36
90°	0	64	152	210	219	1
95°	0	47	126	172	181	0
105°	0	35	82	117	126	2
115°	3	29	61	85	90	3
125°	3	26	52	61	64	3
135°	3	20	41	50	52	2
145°	3	15	29	38	41	2
155°	3	9	18	26	29	1
165°	6	6	12	15	18	1
175°	6	6	6	6	3	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4620.1	4620.1	4620.1	4620.1	4620.1
1°	4658.0	4631.7	4570.4	4588.0	4585.0
2°	4658.0	4602.5	4482.9	4447.9	4395.3
3°	4660.9	4552.9	4348.6	4234.8	4161.8
4°	4660.9	4480.0	4150.2	3960.5	3867.1
5°	4660.9	4404.1	3945.9	3680.3	3581.1
6°	4655.1	4313.6	3738.7	3458.5	3309.6
7°	4663.8	4214.4	3551.9	3251.3	3134.5
8°	4660.9	4097.6	3379.7	3093.7	2965.2
9°	4669.7	3983.8	3192.9	2944.8	2848.5
10°	4660.9	3878.7	3070.3	2804.7	2705.5
11°	4660.9	3776.6	2982.8	2714.2	2629.6
12°	4666.8	3659.9	2886.4	2585.8	2469.1
13°	4681.3	3540.2	2775.5	2445.7	2308.6
14°	4684.3	3449.7	2673.4	2267.7	2124.7
15°	4672.6	3365.1	2565.4	2107.2	1937.9
16°	4666.8	3277.5	2437.0	1955.4	1803.7
17°	4678.4	3175.4	2291.1	1800.7	1660.7
18°	4681.3	3082.0	2136.4	1684.0	1561.4
19°	4681.3	3009.0	2010.9	1576.0	1470.9
20°	4681.3	2939.0	1882.5	1494.3	1403.8
21°	4675.5	2851.4	1736.5	1409.7	1333.8
22.5°	4678.4	2688.0	1570.2	1310.4	1249.1
23°	4669.7	2647.1	1529.3	1284.2	1220.0
24°	4672.6	2530.4	1441.8	1231.6	1170.3
25°	4675.5	2381.5	1357.1	1179.1	1123.6
26°	4669.7	2261.9	1287.1	1129.5	1091.5
27°	4655.1	2165.6	1237.5	1088.6	1053.6
28°	4634.7	2037.1	1184.9	1053.6	1021.5
29°	4614.2	1891.2	1132.4	1015.7	992.3
30°	4602.5	1774.5	1082.8	986.5	966.0
32.5°	4532.5	1543.9	980.6	928.1	910.6
35°	4401.2	1325.0	907.7	878.5	866.8
37.5°	4229.0	1155.7	852.2	846.4	849.3
40°	3945.9	1021.5	811.4	837.6	863.9
42.5°	3607.3	916.4	782.2	846.4	875.6
45°	3181.2	837.6	764.7	846.4	875.6
47.5°	2708.4	773.4	744.2	817.2	846.4
50°	2235.6	715.0	703.4	773.4	799.7
52.5°	1818.3	659.6	650.8	718.0	744.2
55°	1459.3	598.3	589.5	662.5	688.8
57.5°	1170.3	539.9	531.2	598.3	624.6
60°	933.9	481.6	467.0	534.1	560.4
62.5°	744.2	426.1	417.4	475.7	499.1
65°	583.7	376.5	370.7	423.2	437.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	461.1	329.8	332.7	376.5	394.0
70°	356.1	286.0	303.5	344.4	356.1
72.5°	268.5	242.2	280.2	315.2	329.8
75°	198.5	204.3	256.8	294.8	309.4
77.5°	137.2	169.3	236.4	277.3	291.9
80°	93.4	137.2	216.0	262.7	280.2
82.5°	55.5	113.8	198.5	248.1	268.5
85°	26.3	93.4	180.9	236.4	253.9
87.5°	8.8	75.9	163.4	224.7	239.3
90°	0.0	64.2	151.8	210.1	218.9
92.5°	0.0	55.5	137.2	192.6	198.5
95°	0.0	46.7	125.5	172.2	180.9
97.5°	0.0	43.8	116.7	154.7	166.4
100°	0.0	40.9	105.1	140.1	151.8
102.5°	0.0	35.0	93.4	125.5	137.2
105°	0.0	35.0	81.7	116.7	125.5
107.5°	2.9	32.1	75.9	105.1	116.7
110°	2.9	32.1	67.1	99.2	108.0
112.5°	2.9	32.1	64.2	90.5	102.1
115°	2.9	29.2	61.3	84.6	90.5
117.5°	2.9	29.2	58.4	75.9	81.7
120°	2.9	26.3	55.5	70.0	73.0
122.5°	2.9	26.3	52.5	64.2	67.1
125°	2.9	26.3	52.5	61.3	64.2
127.5°	2.9	23.3	49.6	58.4	58.4
130°	2.9	23.3	46.7	55.5	55.5
132.5°	2.9	20.4	43.8	52.5	55.5
135°	2.9	20.4	40.9	49.6	52.5
137.5°	2.9	17.5	37.9	46.7	49.6
140°	2.9	17.5	35.0	43.8	46.7
142.5°	2.9	14.6	32.1	40.9	43.8
145°	2.9	14.6	29.2	37.9	40.9
147.5°	2.9	14.6	26.3	35.0	37.9
150°	2.9	11.7	23.3	32.1	35.0
152.5°	2.9	11.7	20.4	29.2	32.1
155°	2.9	8.8	17.5	26.3	29.2
157.5°	2.9	8.8	17.5	23.3	26.3
160°	5.8	8.8	14.6	20.4	23.3
162.5°	2.9	5.8	14.6	17.5	20.4
165°	5.8	5.8	11.7	14.6	17.5
167.5°	5.8	5.8	8.8	11.7	14.6
170°	5.8	5.8	8.8	8.8	11.7
172.5°	5.8	5.8	5.8	8.8	5.8
175°	5.8	5.8	5.8	5.8	2.9
177.5°	5.8	5.8	5.8	5.8	2.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	5.8	5.8	5.8	5.8	5.8

(END OF REPORT)