

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: P566676

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

Issue Date: 9/15/2022



**Test Information**

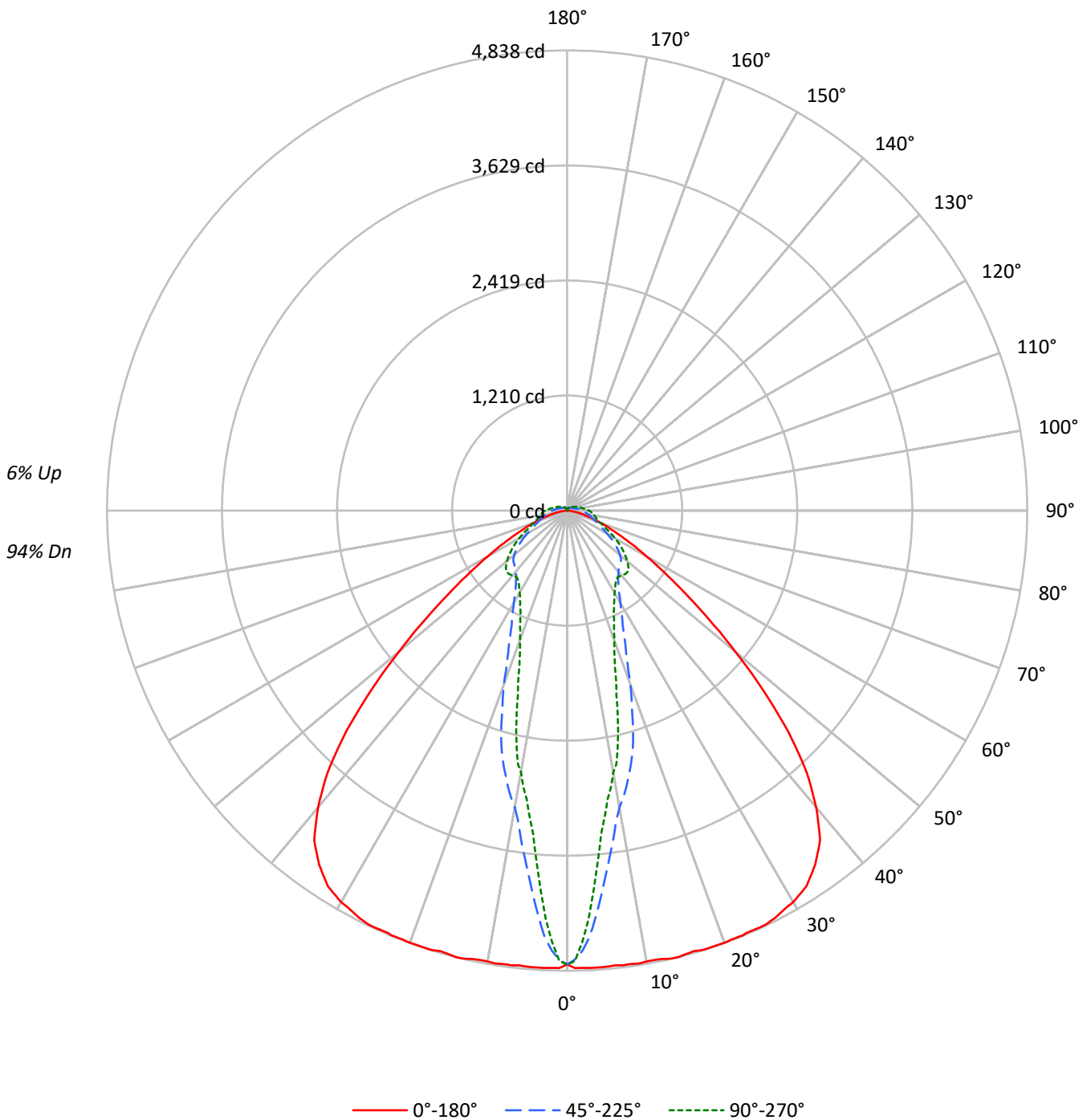
Test Method: LM-79-08  
Report Number: P566676  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-63SL-LC-UNV-L940-CD  
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5882.0 lumens  
Efficiency: N/A  
Efficacy: 132.5 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 (A<sub>in</sub>): 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	50	30	10	0		
RCR																										
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94					94			
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80					80			
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69					69			
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60					60			
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53					53			
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47					47			
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42					42			
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38					38			
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35					35			
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32					32			
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30					30			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	51363	51363	51363
5°	51826	42186	37761
10°	52233	31847	27329
15°	53185	26032	18924
20°	54557	18837	13365
25°	56259	13495	10514
30°	57696	10782	8955
35°	58039	9120	8020
40°	55330	8291	8040
45°	48016	8010	8259
50°	36837	7618	7707
55°	26696	6662	6839
60°	19368	5560	5783
65°	14096	4701	4740
70°	10386	4152	4088
75°	7378	3845	3809
80°	4838	3601	3752
85°	2267	3432	3758



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	375.3	6.4
10°-20°	814.9	13.9
20°-30°	932.8	15.9
30°-40°	934.4	15.9
40°-50°	884.6	15.0
50°-60°	678.4	11.5
60°-70°	437.3	7.4
70°-80°	278.9	4.7
80°-90°	185.2	3.1
90°-100°	124.5	2.1
100°-110°	82.0	1.4
110°-120°	57.0	1.0
120°-130°	39.8	0.7
130°-140°	27.6	0.5
140°-150°	16.9	0.3
150°-160°	8.6	0.1
160°-170°	3.3	0.1
170°-180°	0.6	0.0
0°-30°	2122.9	36.1
0°-40°	3057.4	52.0
0°-60°	4620.3	78.6
0°-90°	5521.6	93.9
90°-120°	263.5	4.5
90°-150°	347.9	5.9
90°-180°	360.0	6.1
0°-180°	5882.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4772	4772	4772	4772	4772	
5°	4814	4549	4075	3801	3699	460
15°	4826	3476	2650	2176	2002	1369
25°	4829	2460	1402	1218	1160	2226
35°	4546	1368	938	907	895	2820
45°	3286	865	790	874	904	2498
55°	1507	618	609	684	711	1386
65°	603	389	383	437	452	620
75°	205	211	265	304	320	225
85°	27	96	187	244	262	37
90°	0	66	157	217	226	1
95°	0	48	130	178	187	0
105°	0	36	84	121	130	2
115°	3	30	63	87	93	3
125°	3	27	54	63	66	3
135°	3	21	42	51	54	2
145°	3	15	30	39	42	2
155°	3	9	18	27	30	2
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°	4771.8	4771.8	4771.8	4771.8	4771.8
1°	4811.0	4783.8	4720.5	4738.6	4735.6
2°	4811.0	4753.7	4630.1	4593.9	4539.7
3°	4814.0	4702.4	4491.4	4373.9	4298.5
4°	4814.0	4627.1	4286.4	4090.5	3994.1
5°	4814.0	4548.7	4075.4	3801.1	3698.6
6°	4807.9	4455.3	3861.4	3572.0	3418.3
7°	4817.0	4352.8	3668.5	3358.0	3237.4
8°	4814.0	4232.2	3490.7	3195.2	3062.6
9°	4823.0	4114.6	3297.7	3041.5	2942.0
10°	4814.0	4006.1	3171.1	2896.8	2794.3
11°	4814.0	3900.6	3080.7	2803.4	2716.0
12°	4820.0	3780.0	2981.2	2670.7	2550.2
13°	4835.1	3656.4	2866.7	2526.1	2384.4
14°	4838.1	3563.0	2761.2	2342.2	2194.5
15°	4826.0	3475.6	2649.6	2176.4	2001.5
16°	4820.0	3385.1	2517.0	2019.6	1862.9
17°	4832.1	3279.6	2366.3	1859.9	1715.2
18°	4835.1	3183.2	2206.5	1739.3	1612.7
19°	4835.1	3107.8	2076.9	1627.8	1519.2
20°	4835.1	3035.5	1944.3	1543.4	1449.9
21°	4829.0	2945.0	1793.6	1455.9	1377.6
22.5°	4832.1	2776.2	1621.7	1353.5	1290.2
23°	4823.0	2734.0	1579.5	1326.3	1260.0
24°	4826.0	2613.5	1489.1	1272.1	1208.8
25°	4829.0	2459.7	1401.7	1217.8	1160.5
26°	4823.0	2336.1	1329.3	1166.6	1127.4
27°	4807.9	2236.7	1278.1	1124.4	1088.2
28°	4786.8	2104.0	1223.8	1088.2	1055.0
29°	4765.7	1953.3	1169.6	1049.0	1024.9
30°	4753.7	1832.7	1118.3	1018.9	997.8
32.5°	4681.3	1594.6	1012.8	958.6	940.5
35°	4545.7	1368.5	937.5	907.3	895.3
37.5°	4367.8	1193.7	880.2	874.2	877.2
40°	4075.4	1055.0	838.0	865.1	892.3
42.5°	3725.8	946.5	807.9	874.2	904.3
45°	3285.7	865.1	789.8	874.2	904.3
47.5°	2797.3	798.8	768.7	844.0	874.2
50°	2309.0	738.5	726.5	798.8	825.9
52.5°	1878.0	681.2	672.2	741.5	768.7
55°	1507.2	617.9	608.9	684.3	711.4
57.5°	1208.8	557.7	548.6	617.9	645.1
60°	964.6	497.4	482.3	551.6	578.8
62.5°	768.7	440.1	431.1	491.3	515.5
65°	602.9	388.9	382.8	437.1	452.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	476.3	340.6	343.6	388.9	406.9
70°	367.8	295.4	313.5	355.7	367.8
72.5°	277.3	250.2	289.4	325.6	340.6
75°	205.0	211.0	265.3	304.5	319.5
77.5°	141.7	174.8	244.2	286.4	301.4
80°	96.5	141.7	223.1	271.3	289.4
82.5°	57.3	117.6	205.0	256.2	277.3
85°	27.1	96.5	186.9	244.2	262.3
87.5°	9.0	78.4	168.8	232.1	247.2
90°	0.0	66.3	156.7	217.0	226.1
92.5°	0.0	57.3	141.7	198.9	205.0
95°	0.0	48.2	129.6	177.8	186.9
97.5°	0.0	45.2	120.6	159.8	171.8
100°	0.0	42.2	108.5	144.7	156.7
102.5°	0.0	36.2	96.5	129.6	141.7
105°	0.0	36.2	84.4	120.6	129.6
107.5°	3.0	33.2	78.4	108.5	120.6
110°	3.0	33.2	69.3	102.5	111.5
112.5°	3.0	33.2	66.3	93.4	105.5
115°	3.0	30.1	63.3	87.4	93.4
117.5°	3.0	30.1	60.3	78.4	84.4
120°	3.0	27.1	57.3	72.3	75.4
122.5°	3.0	27.1	54.3	66.3	69.3
125°	3.0	27.1	54.3	63.3	66.3
127.5°	3.0	24.1	51.2	60.3	60.3
130°	3.0	24.1	48.2	57.3	57.3
132.5°	3.0	21.1	45.2	54.3	57.3
135°	3.0	21.1	42.2	51.2	54.3
137.5°	3.0	18.1	39.2	48.2	51.2
140°	3.0	18.1	36.2	45.2	48.2
142.5°	3.0	15.1	33.2	42.2	45.2
145°	3.0	15.1	30.1	39.2	42.2
147.5°	3.0	15.1	27.1	36.2	39.2
150°	3.0	12.1	24.1	33.2	36.2
152.5°	3.0	12.1	21.1	30.1	33.2
155°	3.0	9.0	18.1	27.1	30.1
157.5°	3.0	9.0	18.1	24.1	27.1
160°	6.0	9.0	15.1	21.1	24.1
162.5°	3.0	6.0	15.1	18.1	21.1
165°	6.0	6.0	12.1	15.1	18.1
167.5°	6.0	6.0	9.0	12.1	15.1
170°	6.0	6.0	9.0	9.0	12.1
172.5°	6.0	6.0	6.0	9.0	6.0
175°	6.0	6.0	6.0	6.0	3.0
177.5°	6.0	6.0	6.0	6.0	3.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	6.0	6.0	6.0	6.0	6.0

(END OF REPORT)