

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: P566672

Luminaire Tested: **4SNX-63SL-LC-UNV-L840-CD**

Issue Date: 9/15/2022



**Test Information**

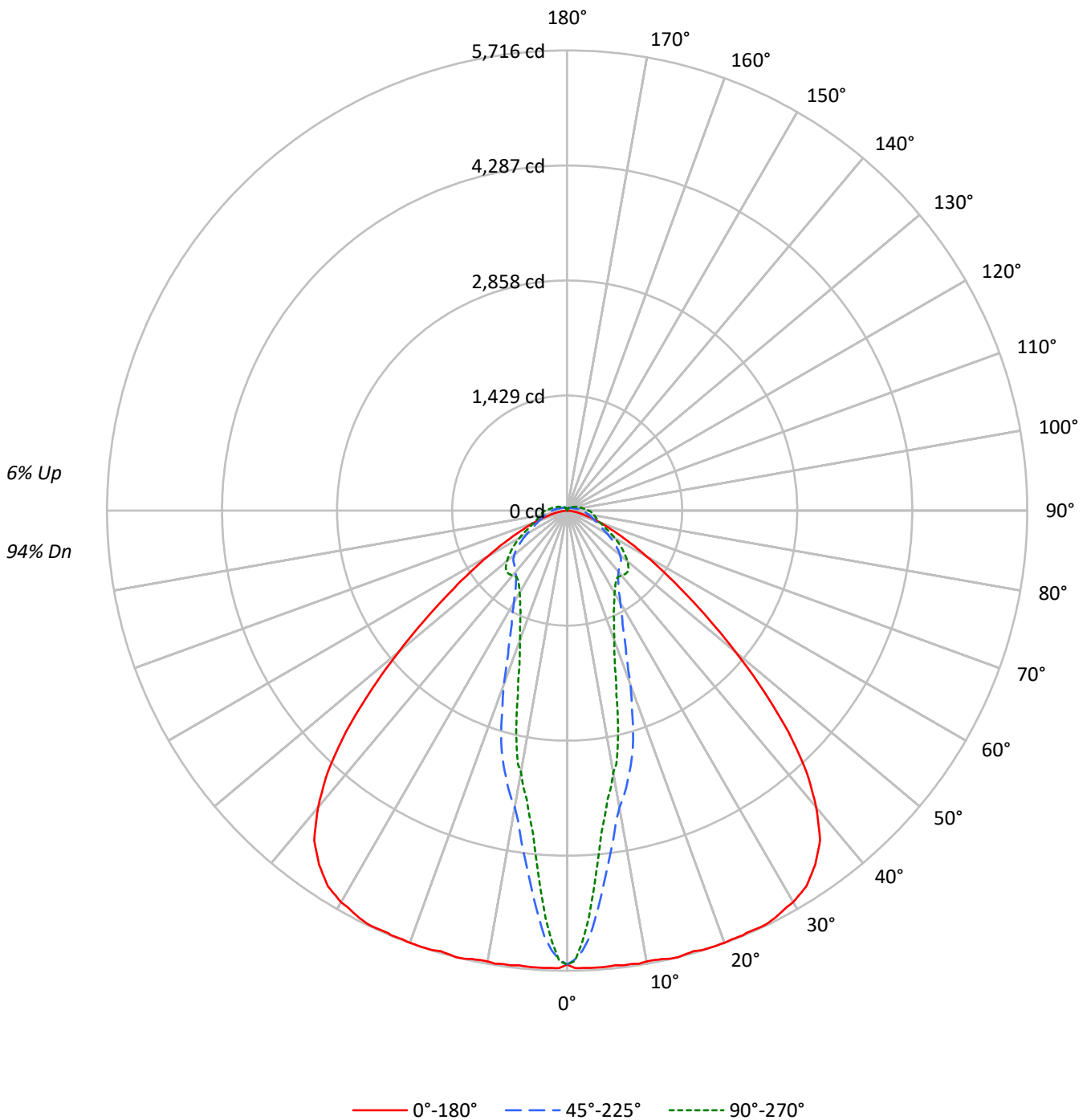
Test Method: LM-79-08  
Report Number: P566672  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-63SL-LC-UNV-L840-CD  
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6950.0 lumens  
Efficiency: N/A  
Efficacy: 156.5 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°	60689	60689	60689
5°	61236	49846	44618
10°	61716	37630	32291
15°	62843	30759	22360
20°	64463	22257	15792
25°	66474	15946	12424
30°	68172	12740	10580
35°	68576	10776	9476
40°	65377	9796	9500
45°	56734	9465	9759
50°	43526	9001	9107
55°	31544	7872	8081
60°	22884	6569	6832
65°	16654	5554	5601
70°	12270	4906	4829
75°	8717	4543	4501
80°	5716	4254	4433
85°	2685	4055	4440



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	443.4	6.4
10°-20°	962.9	13.9
20°-30°	1102.1	15.9
30°-40°	1104.1	15.9
40°-50°	1045.2	15.0
50°-60°	801.6	11.5
60°-70°	516.7	7.4
70°-80°	329.5	4.7
80°-90°	218.8	3.1
90°-100°	147.1	2.1
100°-110°	96.9	1.4
110°-120°	67.4	1.0
120°-130°	47.0	0.7
130°-140°	32.7	0.5
140°-150°	20.0	0.3
150°-160°	10.1	0.1
160°-170°	3.9	0.1
170°-180°	0.8	0.0
0°-30°	2508.4	36.1
0°-40°	3612.5	52.0
0°-60°	5459.2	78.5
0°-90°	6524.2	93.9
90°-120°	311.4	4.5
90°-150°	411.1	5.9
90°-180°	426.0	6.1
0°-180°	6950.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5638	5638	5638	5638	5638	
5°	5688	5375	4815	4491	4370	543
15°	5702	4107	3131	2572	2365	1617
25°	5706	2906	1656	1439	1371	2630
35°	5371	1617	1108	1072	1058	3332
45°	3882	1022	933	1033	1068	2952
55°	1781	730	720	808	841	1638
65°	712	460	452	516	534	733
75°	242	249	313	360	378	266
85°	32	114	221	288	310	44
90°	0	78	185	256	267	1
95°	0	57	153	210	221	0
105°	0	43	100	142	153	2
115°	4	36	75	103	110	4
125°	4	32	64	75	78	3
135°	4	25	50	60	64	3
145°	4	18	36	46	50	2
155°	4	11	21	32	36	2
165°	7	7	14	18	21	2
175°	7	7	7	7	4	1
180°	7	7	7	7	7	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5638.2	5638.2	5638.2	5638.2	5638.2
1°	5684.5	5652.4	5577.6	5599.0	5595.4
2°	5684.5	5616.8	5470.8	5428.0	5363.9
3°	5688.0	5556.3	5306.9	5168.0	5079.0
4°	5688.0	5467.2	5064.7	4833.2	4719.3
5°	5688.0	5374.6	4815.4	4491.3	4370.2
6°	5680.9	5264.2	4562.5	4220.6	4039.0
7°	5691.6	5143.1	4334.6	3967.7	3825.3
8°	5688.0	5000.6	4124.5	3775.4	3618.7
9°	5698.7	4861.7	3896.5	3593.8	3476.2
10°	5688.0	4733.5	3746.9	3422.8	3301.7
11°	5688.0	4608.8	3640.1	3312.4	3209.1
12°	5695.2	4466.4	3522.5	3155.7	3013.2
13°	5713.0	4320.3	3387.2	2984.7	2817.3
14°	5716.5	4209.9	3262.5	2767.4	2592.9
15°	5702.3	4106.6	3130.7	2571.6	2365.0
16°	5695.2	3999.8	2974.0	2386.3	2201.1
17°	5709.4	3875.1	2795.9	2197.6	2026.6
18°	5713.0	3761.2	2607.2	2055.1	1905.5
19°	5713.0	3672.1	2454.0	1923.3	1795.1
20°	5713.0	3586.6	2297.3	1823.6	1713.2
21°	5705.8	3479.8	2119.2	1720.3	1627.7
22.5°	5709.4	3280.3	1916.2	1599.2	1524.4
23°	5698.7	3230.5	1866.3	1567.1	1488.8
24°	5702.3	3088.0	1759.5	1503.0	1428.2
25°	5705.8	2906.4	1656.2	1438.9	1371.3
26°	5698.7	2760.3	1570.7	1378.4	1332.1
27°	5680.9	2642.8	1510.2	1328.5	1285.8
28°	5656.0	2486.1	1446.1	1285.8	1246.6
29°	5631.1	2308.0	1381.9	1239.5	1211.0
30°	5616.8	2165.5	1321.4	1203.9	1178.9
32.5°	5531.3	1884.1	1196.7	1132.6	1111.3
35°	5371.0	1617.0	1107.7	1072.1	1057.8
37.5°	5160.9	1410.4	1040.0	1032.9	1036.5
40°	4815.4	1246.6	990.2	1022.2	1054.3
42.5°	4402.3	1118.4	954.5	1032.9	1068.5
45°	3882.3	1022.2	933.2	1032.9	1068.5
47.5°	3305.3	943.9	908.2	997.3	1032.9
50°	2728.3	872.6	858.4	943.9	975.9
52.5°	2218.9	804.9	794.3	876.2	908.2
55°	1780.9	730.1	719.5	808.5	840.6
57.5°	1428.2	658.9	648.2	730.1	762.2
60°	1139.7	587.7	569.9	651.8	683.8
62.5°	908.2	520.0	509.3	580.6	609.1
65°	712.3	459.5	452.3	516.4	534.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	562.7	402.5	406.0	459.5	480.8
70°	434.5	349.0	370.4	420.3	434.5
72.5°	327.7	295.6	341.9	384.7	402.5
75°	242.2	249.3	313.4	359.7	377.5
77.5°	167.4	206.6	288.5	338.4	356.2
80°	114.0	167.4	263.6	320.6	341.9
82.5°	67.7	138.9	242.2	302.7	327.7
85°	32.1	114.0	220.8	288.5	309.9
87.5°	10.7	92.6	199.5	274.3	292.1
90°	0.0	78.4	185.2	256.4	267.1
92.5°	0.0	67.7	167.4	235.1	242.2
95°	0.0	57.0	153.2	210.1	220.8
97.5°	0.0	53.4	142.5	188.8	203.0
100°	0.0	49.9	128.2	171.0	185.2
102.5°	0.0	42.7	114.0	153.2	167.4
105°	0.0	42.7	99.7	142.5	153.2
107.5°	3.6	39.2	92.6	128.2	142.5
110°	3.6	39.2	81.9	121.1	131.8
112.5°	3.6	39.2	78.4	110.4	124.7
115°	3.6	35.6	74.8	103.3	110.4
117.5°	3.6	35.6	71.2	92.6	99.7
120°	3.6	32.1	67.7	85.5	89.0
122.5°	3.6	32.1	64.1	78.4	81.9
125°	3.6	32.1	64.1	74.8	78.4
127.5°	3.6	28.5	60.5	71.2	71.2
130°	3.6	28.5	57.0	67.7	67.7
132.5°	3.6	24.9	53.4	64.1	67.7
135°	3.6	24.9	49.9	60.5	64.1
137.5°	3.6	21.4	46.3	57.0	60.5
140°	3.6	21.4	42.7	53.4	57.0
142.5°	3.6	17.8	39.2	49.9	53.4
145°	3.6	17.8	35.6	46.3	49.9
147.5°	3.6	17.8	32.1	42.7	46.3
150°	3.6	14.2	28.5	39.2	42.7
152.5°	3.6	14.2	24.9	35.6	39.2
155°	3.6	10.7	21.4	32.1	35.6
157.5°	3.6	10.7	21.4	28.5	32.1
160°	7.1	10.7	17.8	24.9	28.5
162.5°	3.6	7.1	17.8	21.4	24.9
165°	7.1	7.1	14.2	17.8	21.4
167.5°	7.1	7.1	10.7	14.2	17.8
170°	7.1	7.1	10.7	10.7	14.2
172.5°	7.1	7.1	7.1	10.7	7.1
175°	7.1	7.1	7.1	7.1	3.6
177.5°	7.1	7.1	7.1	7.1	3.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	7.1	7.1	7.1	7.1	7.1

(END OF REPORT)