

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: P566680

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566680  
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-L840-CD  
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

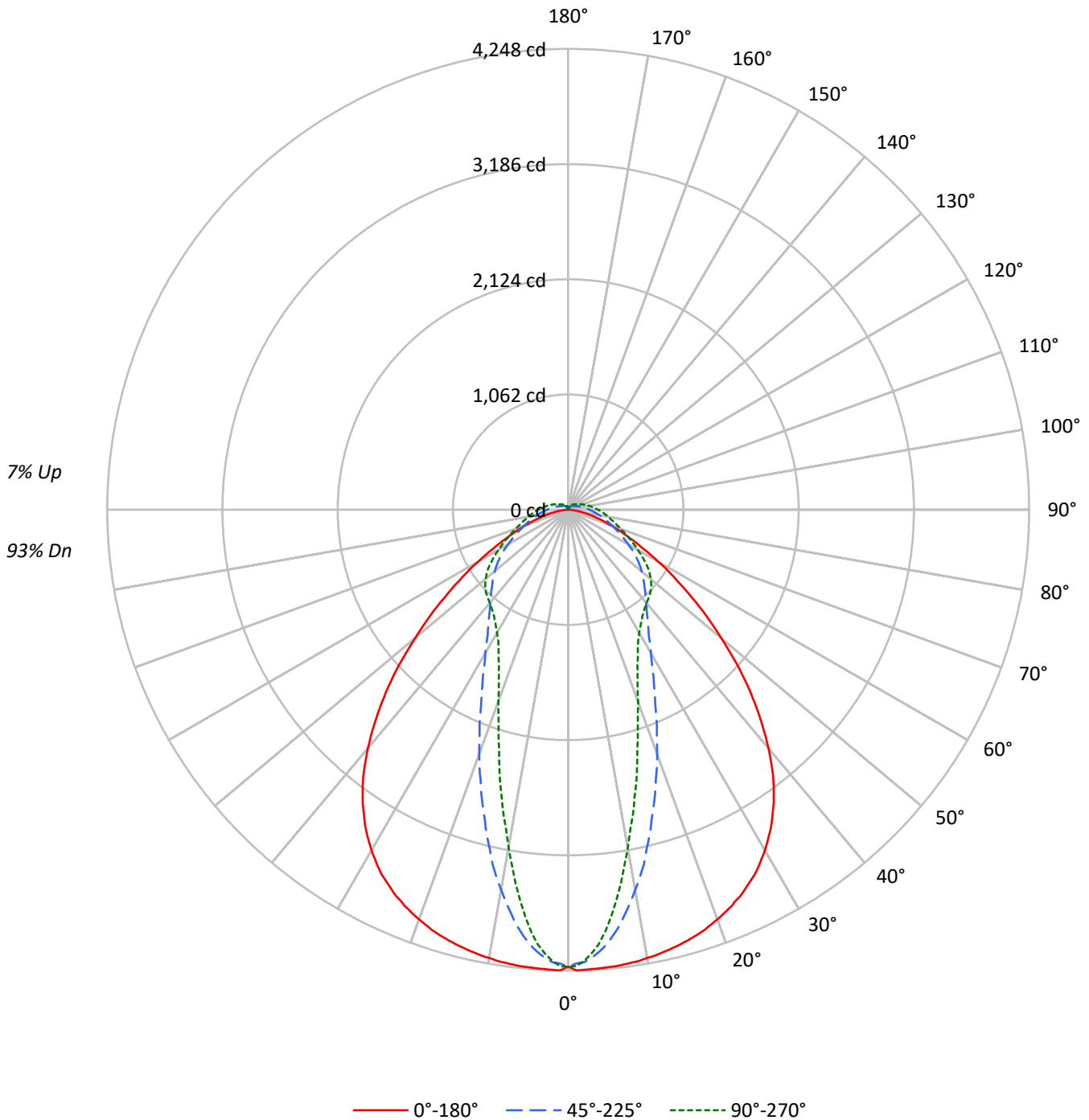
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6715.0 lumens  
Efficiency: N/A  
Efficacy: 151.2 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 (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	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°	45343	45343	45343
5°	45578	41675	39882
10°	45516	35732	30943
15°	45494	29148	23191
20°	45349	23219	17356
25°	44936	18195	13774
30°	43995	14725	11750
35°	42147	12462	10687
40°	38988	11002	10115
45°	34663	10065	9804
50°	29364	9262	9261
55°	24122	8393	8458
60°	19292	7383	7419
65°	14975	6482	6456
70°	11629	5734	5710
75°	8994	5151	5203
80°	6353	4714	4836
85°	3530	4395	4639



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	373.0	5.6
10°-20°	874.4	13.0
20°-30°	1038.0	15.5
30°-40°	1044.3	15.6
40°-50°	970.7	14.5
50°-60°	799.3	11.9
60°-70°	563.3	8.4
70°-80°	368.0	5.5
80°-90°	234.9	3.5
90°-100°	154.1	2.3
100°-110°	104.6	1.6
110°-120°	71.7	1.1
120°-130°	49.6	0.7
130°-140°	33.4	0.5
140°-150°	20.6	0.3
150°-160°	10.7	0.2
160°-170°	3.9	0.1
170°-180°	0.7	0.0
0°-30°	2285.4	34.0
0°-40°	3329.7	49.6
0°-60°	5099.8	75.9
0°-90°	6265.9	93.3
90°-120°	330.4	4.9
90°-150°	433.9	6.5
90°-180°	449.0	6.7
0°-180°	6715.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4212	4212	4212	4212	4212	
5°	4234	4177	4026	3949	3906	403
15°	4128	3688	2967	2594	2453	1166
25°	3857	2851	1890	1587	1520	1775
35°	3301	1928	1281	1200	1193	2053
45°	2372	1270	992	1045	1073	1821
55°	1362	834	767	852	880	1230
65°	640	503	528	595	616	650
75°	250	260	355	419	436	270
85°	42	120	239	310	324	53
90°	0	81	194	264	274	2
95°	0	60	162	222	232	0
105°	0	42	109	155	169	0
115°	4	35	77	113	120	3
125°	4	28	63	81	88	3
135°	4	25	49	63	67	3
145°	4	18	35	49	53	2
155°	4	14	25	35	39	2
165°	4	7	14	18	21	1
175°	7	7	7	7	4	0
180°	4	4	4	4	4	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4212.5	4212.5	4212.5	4212.5	4212.5
1°	4247.7	4230.1	4184.4	4216.0	4209.0
2°	4244.2	4226.6	4173.8	4187.9	4163.3
3°	4240.7	4216.0	4135.1	4131.6	4096.4
4°	4237.2	4198.4	4085.8	4043.6	4015.4
5°	4233.6	4177.3	4026.0	3948.6	3906.3
6°	4230.1	4152.7	3948.6	3832.4	3772.6
7°	4223.1	4114.0	3867.6	3709.3	3631.8
8°	4216.0	4078.8	3765.6	3575.5	3480.5
9°	4209.0	4033.0	3663.5	3431.3	3318.6
10°	4194.9	3987.3	3557.9	3283.4	3163.8
11°	4187.9	3934.5	3455.9	3142.7	3001.9
12°	4173.8	3878.2	3346.8	2994.9	2871.7
13°	4159.7	3818.4	3213.1	2868.2	2720.4
14°	4145.7	3755.0	3096.9	2727.4	2590.2
15°	4128.1	3688.2	2966.7	2593.7	2452.9
16°	4110.5	3610.7	2850.6	2456.4	2308.6
17°	4092.9	3536.8	2741.5	2329.7	2196.0
18°	4071.8	3462.9	2614.8	2206.6	2076.3
19°	4043.6	3378.5	2512.7	2093.9	1974.3
20°	4019.0	3301.0	2396.6	1988.4	1882.8
21°	3990.8	3206.0	2280.5	1889.8	1784.3
22.5°	3948.6	3072.3	2132.7	1766.7	1668.1
23°	3927.5	3033.6	2072.8	1720.9	1636.4
24°	3899.3	2931.5	1974.3	1650.5	1566.1
25°	3857.1	2850.6	1889.8	1587.2	1520.3
26°	3818.4	2752.0	1805.4	1530.9	1464.0
27°	3779.7	2657.0	1731.5	1471.0	1414.7
28°	3730.4	2558.5	1650.5	1421.8	1372.5
29°	3677.6	2467.0	1583.7	1379.5	1340.8
30°	3624.8	2364.9	1527.3	1340.8	1309.2
32.5°	3477.0	2139.7	1383.1	1266.9	1245.8
35°	3301.0	1928.5	1281.0	1200.1	1193.0
37.5°	3104.0	1735.0	1189.5	1147.3	1154.3
40°	2871.7	1559.0	1112.1	1108.6	1122.6
42.5°	2625.3	1407.7	1052.3	1076.9	1098.0
45°	2372.0	1270.4	992.4	1045.2	1073.4
47.5°	2108.0	1150.8	939.6	1006.5	1038.2
50°	1840.6	1034.7	883.3	960.8	992.4
52.5°	1601.3	932.6	827.0	908.0	943.2
55°	1361.9	834.1	767.2	851.7	879.8
57.5°	1154.3	742.6	703.8	788.3	809.4
60°	960.8	654.6	640.5	717.9	742.6
62.5°	784.8	577.2	580.7	654.6	679.2
65°	640.5	503.3	527.9	594.8	615.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	520.8	432.9	475.1	545.5	563.1
70°	411.8	369.5	432.9	496.2	513.8
72.5°	327.3	313.2	390.6	457.5	471.6
75°	249.9	260.4	355.4	418.8	436.4
77.5°	179.5	218.2	320.3	387.1	401.2
80°	126.7	179.5	292.1	359.0	373.0
82.5°	80.9	147.8	263.9	334.3	348.4
85°	42.2	119.7	239.3	309.7	323.8
87.5°	17.6	98.5	214.7	285.1	299.1
90°	0.0	80.9	193.6	263.9	274.5
92.5°	0.0	70.4	176.0	242.8	253.4
95°	0.0	59.8	161.9	221.7	232.3
97.5°	0.0	56.3	144.3	204.1	214.7
100°	0.0	49.3	130.2	186.5	200.6
102.5°	0.0	45.8	119.7	168.9	183.0
105°	0.0	42.2	109.1	154.8	168.9
107.5°	0.0	38.7	102.1	144.3	154.8
110°	0.0	38.7	91.5	133.7	144.3
112.5°	3.5	35.2	84.5	119.7	130.2
115°	3.5	35.2	77.4	112.6	119.7
117.5°	3.5	35.2	73.9	102.1	109.1
120°	3.5	31.7	70.4	95.0	102.1
122.5°	3.5	31.7	66.9	88.0	91.5
125°	3.5	28.2	63.3	80.9	88.0
127.5°	3.5	28.2	59.8	77.4	80.9
130°	3.5	28.2	56.3	70.4	77.4
132.5°	3.5	24.6	52.8	66.9	70.4
135°	3.5	24.6	49.3	63.3	66.9
137.5°	3.5	21.1	45.8	59.8	63.3
140°	3.5	21.1	42.2	56.3	59.8
142.5°	3.5	17.6	38.7	52.8	56.3
145°	3.5	17.6	35.2	49.3	52.8
147.5°	3.5	17.6	31.7	45.8	49.3
150°	3.5	14.1	28.2	42.2	45.8
152.5°	3.5	14.1	24.6	38.7	42.2
155°	3.5	14.1	24.6	35.2	38.7
157.5°	3.5	10.6	21.1	28.2	35.2
160°	3.5	10.6	17.6	24.6	31.7
162.5°	3.5	10.6	17.6	21.1	24.6
165°	3.5	7.0	14.1	17.6	21.1
167.5°	3.5	7.0	10.6	14.1	17.6
170°	3.5	7.0	10.6	10.6	14.1
172.5°	3.5	7.0	7.0	7.0	7.0
175°	7.0	7.0	7.0	7.0	3.5
177.5°	7.0	7.0	7.0	3.5	3.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	3.5	3.5	3.5	3.5	3.5

(END OF REPORT)