

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: P566488

Luminaire Tested: **4SNX-48SL-LN-UNV-L840-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566488  
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-48SL-LN-UNV-L840-CD  
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

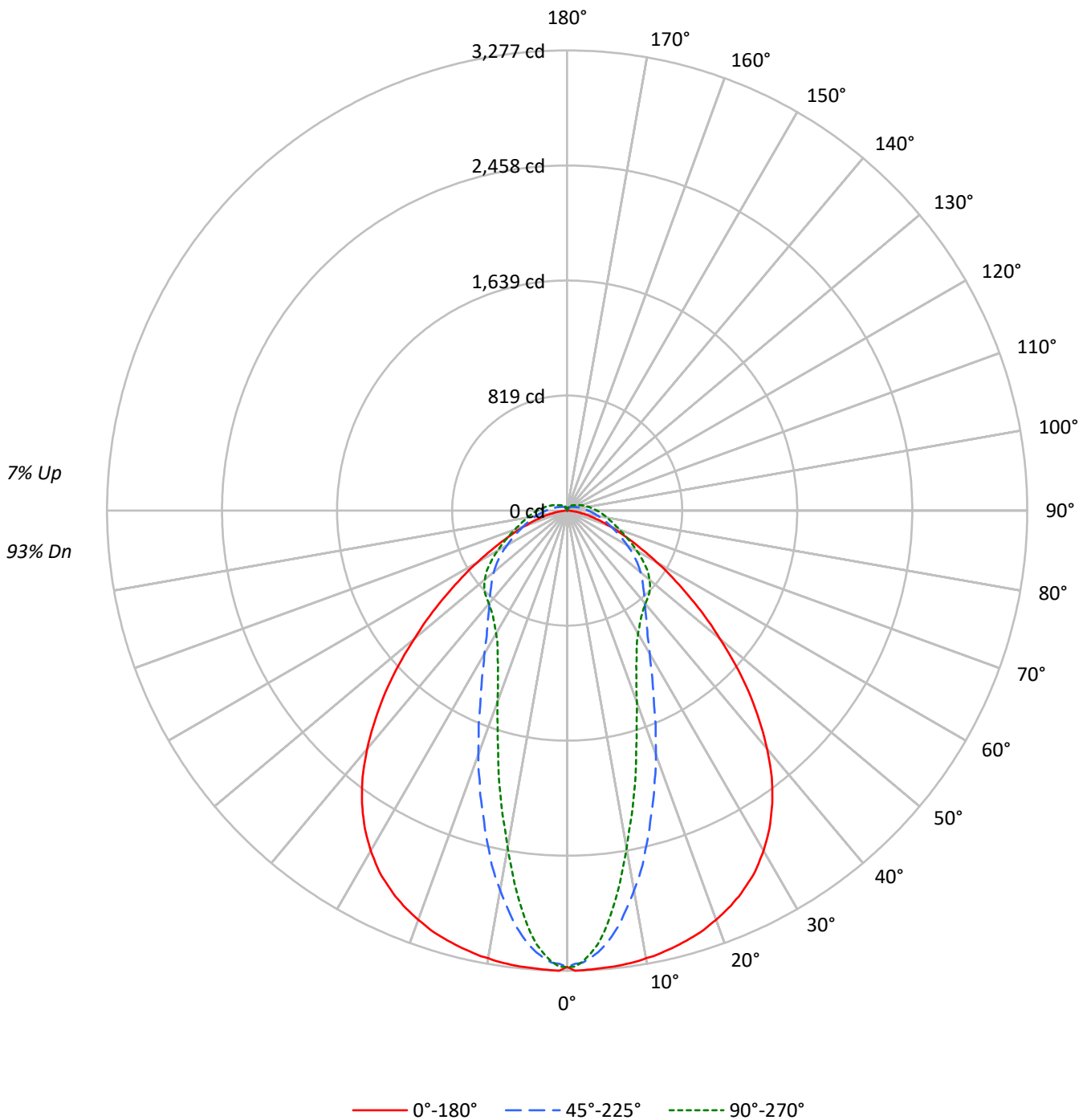
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5181.0 lumens  
Efficiency: N/A  
Efficacy: 161.4 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): 32.1  
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°	34985	34985	34985
5°	35166	32155	30772
10°	35118	27570	23874
15°	35101	22489	17894
20°	34989	17915	13391
25°	34671	14038	10627
30°	33944	11361	9065
35°	32518	9616	8246
40°	30082	8488	7805
45°	26744	7766	7564
50°	22656	7146	7145
55°	18612	6476	6526
60°	14884	5697	5724
65°	11555	5001	4981
70°	8971	4424	4406
75°	6939	3974	4014
80°	4904	3638	3731
85°	2727	3390	3579



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	287.8	5.6
10°-20°	674.7	13.0
20°-30°	800.8	15.5
30°-40°	805.7	15.6
40°-50°	749.0	14.5
50°-60°	616.7	11.9
60°-70°	434.6	8.4
70°-80°	283.9	5.5
80°-90°	181.2	3.5
90°-100°	118.9	2.3
100°-110°	80.7	1.6
110°-120°	55.3	1.1
120°-130°	38.3	0.7
130°-140°	25.7	0.5
140°-150°	15.9	0.3
150°-160°	8.2	0.2
160°-170°	3.0	0.1
170°-180°	0.5	0.0
0°-30°	1763.3	34.0
0°-40°	2569.1	49.6
0°-60°	3934.8	75.9
0°-90°	4834.5	93.3
90°-120°	254.9	4.9
90°-150°	334.8	6.5
90°-180°	347.0	6.7
0°-180°	5181.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3250	3250	3250	3250	3250	
5°	3266	3223	3106	3047	3014	311
15°	3185	2846	2289	2001	1893	899
25°	2976	2199	1458	1225	1173	1369
35°	2547	1488	988	926	920	1584
45°	1830	980	766	806	828	1405
55°	1051	644	592	657	679	949
65°	494	388	407	459	475	501
75°	193	201	274	323	337	208
85°	33	92	185	239	250	41
90°	0	62	149	204	212	2
95°	0	46	125	171	179	0
105°	0	33	84	120	130	0
115°	3	27	60	87	92	2
125°	3	22	49	62	68	2
135°	3	19	38	49	52	2
145°	3	14	27	38	41	2
155°	3	11	19	27	30	1
165°	3	5	11	14	16	1
175°	5	5	5	5	3	0
180°	3	3	3	3	3	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3250.2	3250.2	3250.2	3250.2	3250.2
1°	3277.3	3263.8	3228.5	3252.9	3247.5
2°	3274.6	3261.1	3220.3	3231.2	3212.2
3°	3271.9	3252.9	3190.5	3187.7	3160.6
4°	3269.2	3239.3	3152.4	3119.9	3098.1
5°	3266.5	3223.0	3106.3	3046.6	3014.0
6°	3263.8	3204.0	3046.6	2956.9	2910.8
7°	3258.3	3174.2	2984.1	2861.9	2802.2
8°	3252.9	3147.0	2905.4	2758.7	2685.4
9°	3247.5	3111.7	2826.6	2647.4	2560.5
10°	3236.6	3076.4	2745.2	2533.4	2441.0
11°	3231.2	3035.7	2666.4	2424.7	2316.1
12°	3220.3	2992.2	2582.2	2310.7	2215.7
13°	3209.5	2946.1	2479.1	2213.0	2098.9
14°	3198.6	2897.2	2389.5	2104.3	1998.4
15°	3185.0	2845.6	2289.0	2001.2	1892.6
16°	3171.5	2785.9	2199.4	1895.3	1781.2
17°	3157.9	2728.9	2115.2	1797.5	1694.3
18°	3141.6	2671.8	2017.5	1702.5	1602.0
19°	3119.9	2606.7	1938.7	1615.6	1523.3
20°	3100.9	2546.9	1849.1	1534.1	1452.7
21°	3079.1	2473.6	1759.5	1458.1	1376.6
22.5°	3046.6	2370.4	1645.5	1363.1	1287.0
23°	3030.3	2340.6	1599.3	1327.8	1262.6
24°	3008.5	2261.8	1523.3	1273.5	1208.3
25°	2976.0	2199.4	1458.1	1224.6	1173.0
26°	2946.1	2123.4	1392.9	1181.1	1129.6
27°	2916.2	2050.0	1335.9	1135.0	1091.5
28°	2878.2	1974.0	1273.5	1097.0	1059.0
29°	2837.5	1903.4	1221.9	1064.4	1034.5
30°	2796.7	1824.7	1178.4	1034.5	1010.1
32.5°	2682.7	1650.9	1067.1	977.5	961.2
35°	2546.9	1488.0	988.4	925.9	920.5
37.5°	2394.9	1338.6	917.8	885.2	890.6
40°	2215.7	1202.9	858.0	855.3	866.2
42.5°	2025.6	1086.1	811.9	830.9	847.2
45°	1830.1	980.2	765.7	806.4	828.2
47.5°	1626.5	887.9	725.0	776.6	801.0
50°	1420.1	798.3	681.5	741.3	765.7
52.5°	1235.5	719.6	638.1	700.5	727.7
55°	1050.8	643.5	591.9	657.1	678.8
57.5°	890.6	572.9	543.1	608.2	624.5
60°	741.3	505.0	494.2	553.9	572.9
62.5°	605.5	445.3	448.0	505.0	524.1
65°	494.2	388.3	407.3	458.9	475.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	401.9	334.0	366.6	420.9	434.4
70°	317.7	285.1	334.0	382.9	396.4
72.5°	252.5	241.7	301.4	353.0	363.8
75°	192.8	200.9	274.2	323.1	336.7
77.5°	138.5	168.3	247.1	298.7	309.5
80°	97.8	138.5	225.4	277.0	287.8
82.5°	62.5	114.0	203.6	258.0	268.8
85°	32.6	92.3	184.6	238.9	249.8
87.5°	13.6	76.0	165.6	219.9	230.8
90°	0.0	62.5	149.3	203.6	211.8
92.5°	0.0	54.3	135.8	187.4	195.5
95°	0.0	46.2	124.9	171.1	179.2
97.5°	0.0	43.4	111.3	157.5	165.6
100°	0.0	38.0	100.5	143.9	154.8
102.5°	0.0	35.3	92.3	130.3	141.2
105°	0.0	32.6	84.2	119.5	130.3
107.5°	0.0	29.9	78.7	111.3	119.5
110°	0.0	29.9	70.6	103.2	111.3
112.5°	2.7	27.2	65.2	92.3	100.5
115°	2.7	27.2	59.7	86.9	92.3
117.5°	2.7	27.2	57.0	78.7	84.2
120°	2.7	24.4	54.3	73.3	78.7
122.5°	2.7	24.4	51.6	67.9	70.6
125°	2.7	21.7	48.9	62.5	67.9
127.5°	2.7	21.7	46.2	59.7	62.5
130°	2.7	21.7	43.4	54.3	59.7
132.5°	2.7	19.0	40.7	51.6	54.3
135°	2.7	19.0	38.0	48.9	51.6
137.5°	2.7	16.3	35.3	46.2	48.9
140°	2.7	16.3	32.6	43.4	46.2
142.5°	2.7	13.6	29.9	40.7	43.4
145°	2.7	13.6	27.2	38.0	40.7
147.5°	2.7	13.6	24.4	35.3	38.0
150°	2.7	10.9	21.7	32.6	35.3
152.5°	2.7	10.9	19.0	29.9	32.6
155°	2.7	10.9	19.0	27.2	29.9
157.5°	2.7	8.1	16.3	21.7	27.2
160°	2.7	8.1	13.6	19.0	24.4
162.5°	2.7	8.1	13.6	16.3	19.0
165°	2.7	5.4	10.9	13.6	16.3
167.5°	2.7	5.4	8.1	10.9	13.6
170°	2.7	5.4	8.1	8.1	10.9
172.5°	2.7	5.4	5.4	5.4	5.4
175°	5.4	5.4	5.4	5.4	2.7
177.5°	5.4	5.4	5.4	2.7	2.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	2.7	2.7	2.7	2.7	2.7

(END OF REPORT)