

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: P566388

Luminaire Tested: **4SNX-41SL-LC-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566388
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-41SL-LC-UNV-L940-CD
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

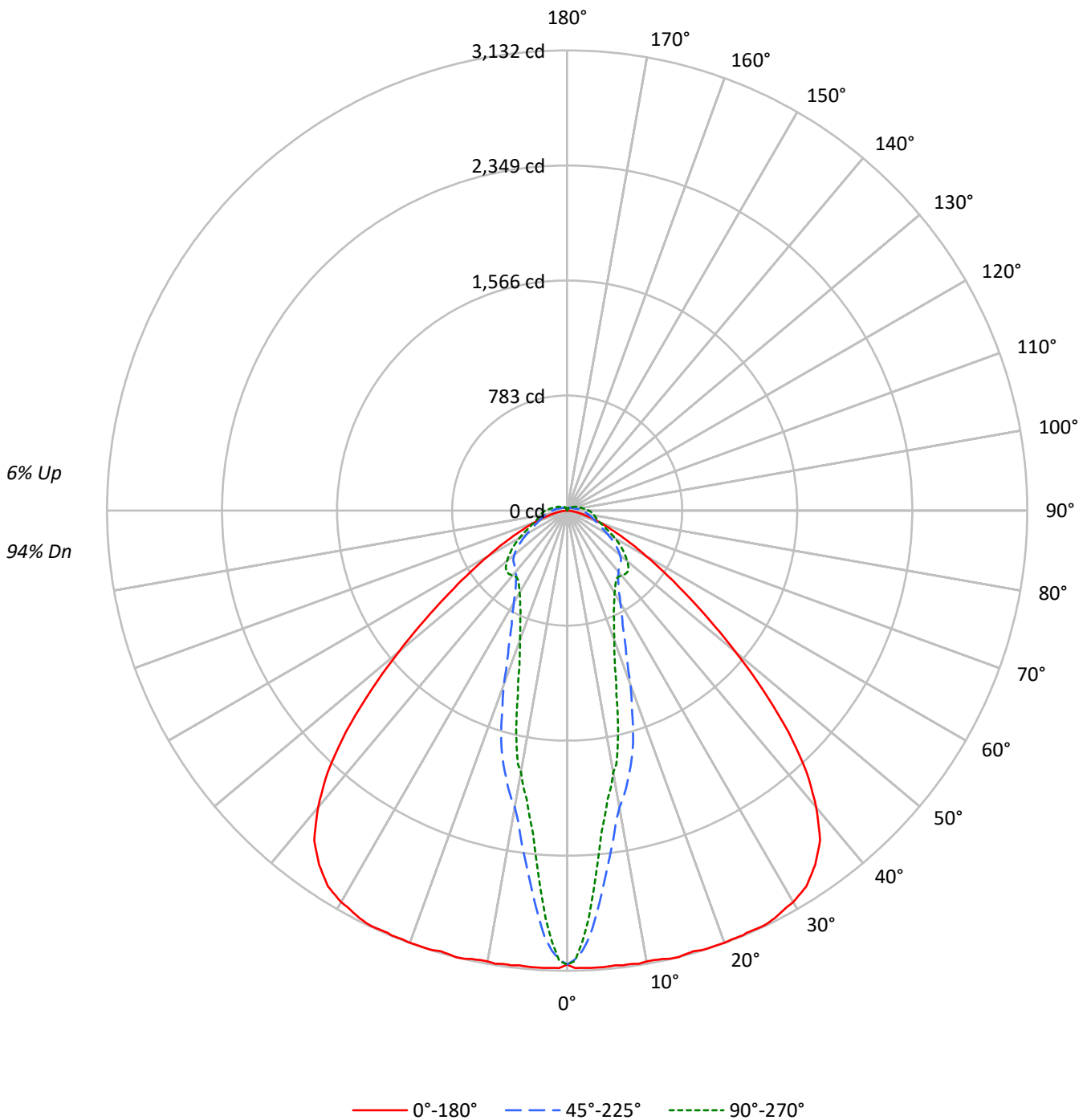
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3808.0 lumens
Efficiency: N/A
Efficacy: 144.8 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): 26.3
Input Voltage (V): NR
Input Current (A_{in}): 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°	33252	33252	33252
5°	33553	27311	24447
10°	33816	20618	17692
15°	34433	16854	12251
20°	35320	12195	8653
25°	36422	8737	6807
30°	37352	6980	5797
35°	37574	5904	5192
40°	35821	5367	5205
45°	31085	5186	5348
50°	23849	4932	4990
55°	17284	4313	4428
60°	12539	3599	3744
65°	9125	3043	3068
70°	6724	2689	2646
75°	4776	2489	2467
80°	3129	2331	2428
85°	1472	2222	2433



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.9	6.4
10°-20°	527.6	13.9
20°-30°	603.9	15.9
30°-40°	604.9	15.9
40°-50°	572.7	15.0
50°-60°	439.2	11.5
60°-70°	283.1	7.4
70°-80°	180.5	4.7
80°-90°	119.9	3.1
90°-100°	80.6	2.1
100°-110°	53.1	1.4
110°-120°	36.9	1.0
120°-130°	25.8	0.7
130°-140°	17.9	0.5
140°-150°	11.0	0.3
150°-160°	5.6	0.1
160°-170°	2.1	0.1
170°-180°	0.4	0.0
0°-30°	1374.4	36.1
0°-40°	1979.3	52.0
0°-60°	2991.2	78.5
0°-90°	3574.7	93.9
90°-120°	170.6	4.5
90°-150°	225.2	5.9
90°-180°	233.0	6.1
0°-180°	3808.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3089	3089	3089	3089	3089	
5°	3117	2945	2638	2461	2394	298
15°	3124	2250	1715	1409	1296	886
25°	3126	1592	908	788	751	1441
35°	2943	886	607	587	580	1826
45°	2127	560	511	566	586	1617
55°	976	400	394	443	461	897
65°	390	252	248	283	293	401
75°	133	137	172	197	207	146
85°	18	62	121	158	170	24
90°	0	43	102	140	146	1
95°	0	31	84	115	121	0
105°	0	23	55	78	84	1
115°	2	20	41	57	60	2
125°	2	18	35	41	43	2
135°	2	14	27	33	35	2
145°	2	10	20	25	27	1
155°	2	6	12	18	20	1
165°	4	4	8	10	12	1
175°	4	4	4	4	2	0
180°	4	4	4	4	4	



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CATALOG NUMBER: 4SNX-41SL-LC-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3089.2	3089.2	3089.2	3089.2	3089.2
1°	3114.6	3097.0	3056.1	3067.8	3065.8
2°	3114.6	3077.5	2997.5	2974.1	2939.0
3°	3116.6	3044.3	2907.7	2831.6	2782.8
4°	3116.6	2995.6	2775.0	2648.2	2585.7
5°	3116.6	2944.8	2638.4	2460.8	2394.5
6°	3112.7	2884.3	2499.9	2312.5	2213.0
7°	3118.5	2818.0	2375.0	2174.0	2095.9
8°	3116.6	2739.9	2259.8	2068.6	1982.7
9°	3122.4	2663.8	2134.9	1969.1	1904.7
10°	3116.6	2593.6	2053.0	1875.4	1809.0
11°	3116.6	2525.2	1994.4	1814.9	1758.3
12°	3120.5	2447.2	1930.0	1729.0	1651.0
13°	3130.2	2367.2	1855.9	1635.4	1543.6
14°	3132.2	2306.7	1787.6	1516.3	1420.7
15°	3124.4	2250.1	1715.4	1409.0	1295.8
16°	3120.5	2191.5	1629.5	1307.5	1206.0
17°	3128.3	2123.2	1531.9	1204.1	1110.4
18°	3130.2	2060.8	1428.5	1126.0	1044.1
19°	3130.2	2012.0	1344.6	1053.8	983.6
20°	3130.2	1965.2	1258.7	999.2	938.7
21°	3126.3	1906.6	1161.1	942.6	891.8
22.5°	3128.3	1797.3	1049.9	876.2	835.2
23°	3122.4	1770.0	1022.6	858.7	815.7
24°	3124.4	1692.0	964.0	823.5	782.6
25°	3126.3	1592.4	907.5	788.4	751.3
26°	3122.4	1512.4	860.6	755.2	729.9
27°	3112.7	1448.0	827.4	727.9	704.5
28°	3099.0	1362.2	792.3	704.5	683.0
29°	3085.3	1264.6	757.2	679.1	663.5
30°	3077.5	1186.5	724.0	659.6	645.9
32.5°	3030.7	1032.3	655.7	620.6	608.9
35°	2942.9	886.0	606.9	587.4	579.6
37.5°	2827.7	772.8	569.8	565.9	567.9
40°	2638.4	683.0	542.5	560.1	577.6
42.5°	2412.1	612.8	523.0	565.9	585.5
45°	2127.1	560.1	511.3	565.9	585.5
47.5°	1811.0	517.1	497.6	546.4	565.9
50°	1494.9	478.1	470.3	517.1	534.7
52.5°	1215.8	441.0	435.2	480.1	497.6
55°	975.8	400.1	394.2	443.0	460.6
57.5°	782.6	361.0	355.2	400.1	417.6
60°	624.5	322.0	312.2	357.1	374.7
62.5°	497.6	284.9	279.1	318.1	333.7
65°	390.3	251.7	247.8	283.0	292.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	308.3	220.5	222.5	251.7	263.5
70°	238.1	191.2	203.0	230.3	238.1
72.5°	179.5	162.0	187.3	210.8	220.5
75°	132.7	136.6	171.7	197.1	206.9
77.5°	91.7	113.2	158.1	185.4	195.2
80°	62.4	91.7	144.4	175.6	187.3
82.5°	37.1	76.1	132.7	165.9	179.5
85°	17.6	62.4	121.0	158.1	169.8
87.5°	5.9	50.7	109.3	150.3	160.0
90°	0.0	42.9	101.5	140.5	146.4
92.5°	0.0	37.1	91.7	128.8	132.7
95°	0.0	31.2	83.9	115.1	121.0
97.5°	0.0	29.3	78.1	103.4	111.2
100°	0.0	27.3	70.3	93.7	101.5
102.5°	0.0	23.4	62.4	83.9	91.7
105°	0.0	23.4	54.6	78.1	83.9
107.5°	2.0	21.5	50.7	70.3	78.1
110°	2.0	21.5	44.9	66.4	72.2
112.5°	2.0	21.5	42.9	60.5	68.3
115°	2.0	19.5	41.0	56.6	60.5
117.5°	2.0	19.5	39.0	50.7	54.6
120°	2.0	17.6	37.1	46.8	48.8
122.5°	2.0	17.6	35.1	42.9	44.9
125°	2.0	17.6	35.1	41.0	42.9
127.5°	2.0	15.6	33.2	39.0	39.0
130°	2.0	15.6	31.2	37.1	37.1
132.5°	2.0	13.7	29.3	35.1	37.1
135°	2.0	13.7	27.3	33.2	35.1
137.5°	2.0	11.7	25.4	31.2	33.2
140°	2.0	11.7	23.4	29.3	31.2
142.5°	2.0	9.8	21.5	27.3	29.3
145°	2.0	9.8	19.5	25.4	27.3
147.5°	2.0	9.8	17.6	23.4	25.4
150°	2.0	7.8	15.6	21.5	23.4
152.5°	2.0	7.8	13.7	19.5	21.5
155°	2.0	5.9	11.7	17.6	19.5
157.5°	2.0	5.9	11.7	15.6	17.6
160°	3.9	5.9	9.8	13.7	15.6
162.5°	2.0	3.9	9.8	11.7	13.7
165°	3.9	3.9	7.8	9.8	11.7
167.5°	3.9	3.9	5.9	7.8	9.8
170°	3.9	3.9	5.9	5.9	7.8
172.5°	3.9	3.9	3.9	5.9	3.9
175°	3.9	3.9	3.9	3.9	2.0
177.5°	3.9	3.9	3.9	3.9	2.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.9	3.9	3.9	3.9	3.9

(END OF REPORT)