

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: P566445

Luminaire Tested: **4SNX-45SL-LN-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566445
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-45SL-LN-UNV-L950-CD
Description: 4FT 4500 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

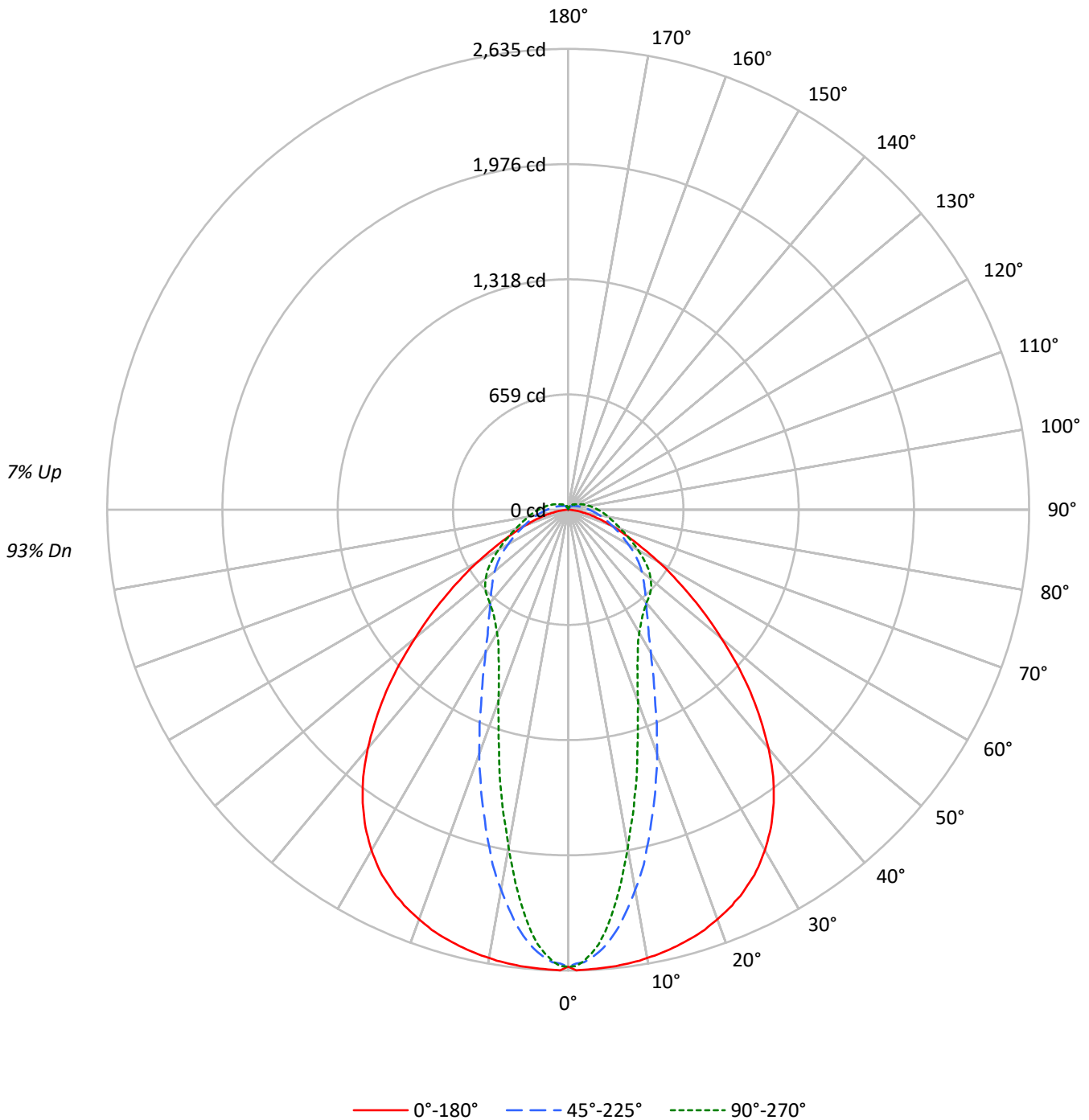
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4165.0 lumens
Efficiency: N/A
Efficacy: 139.8 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): 29.8
Input Voltage (V): NR
Input Current (Ain): 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

TEST NUMBER: P566445
CATALOG NUMBER: 4SNX-45SL-LN-UNV-L950-CD

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°	28124	28124	28124
5°	28270	25849	24737
10°	28231	22163	19193
15°	28217	18079	14384
20°	28128	14402	10765
25°	27872	11286	8544
30°	27288	9133	7287
35°	26142	7729	6629
40°	24183	6824	6274
45°	21499	6244	6081
50°	18212	5745	5745
55°	14962	5207	5246
60°	11965	4580	4602
65°	9289	4020	4004
70°	7212	3556	3542
75°	5579	3196	3228
80°	3941	2925	3000
85°	2192	2725	2877



TEST NUMBER: P566445

CATALOG NUMBER: 4SNX-45SL-LN-UNV-L950-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.4	5.6
10°-20°	542.4	13.0
20°-30°	643.8	15.5
30°-40°	647.7	15.6
40°-50°	602.1	14.5
50°-60°	495.8	11.9
60°-70°	349.4	8.4
70°-80°	228.2	5.5
80°-90°	145.7	3.5
90°-100°	95.6	2.3
100°-110°	64.9	1.6
110°-120°	44.5	1.1
120°-130°	30.8	0.7
130°-140°	20.7	0.5
140°-150°	12.8	0.3
150°-160°	6.6	0.2
160°-170°	2.4	0.1
170°-180°	0.4	0.0
0°-30°	1417.5	34.0
0°-40°	2065.3	49.6
0°-60°	3163.2	75.9
0°-90°	3886.5	93.3
90°-120°	204.9	4.9
90°-150°	269.1	6.5
90°-180°	279.0	6.7
0°-180°	4165.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2613	2613	2613	2613	2613	
5°	2626	2591	2497	2449	2423	250
15°	2560	2288	1840	1609	1521	723
25°	2392	1768	1172	984	943	1101
35°	2048	1196	794	744	740	1273
45°	1471	788	616	648	666	1129
55°	845	517	476	528	546	763
65°	397	312	327	369	382	403
75°	155	162	220	260	271	168
85°	26	74	148	192	201	33
90°	0	50	120	164	170	1
95°	0	37	100	138	144	0
105°	0	26	68	96	105	0
115°	2	22	48	70	74	2
125°	2	18	39	50	55	2
135°	2	15	31	39	42	2
145°	2	11	22	31	33	1
155°	2	9	15	22	24	1
165°	2	4	9	11	13	1
175°	4	4	4	4	2	0
180°	2	2	2	2	2	



TEST NUMBER: P566445

CATALOG NUMBER: 4SNX-45SL-LN-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2612.8	2612.8	2612.8	2612.8	2612.8
1°	2634.7	2623.7	2595.4	2615.0	2610.6
2°	2632.5	2621.6	2588.8	2597.5	2582.3
3°	2630.3	2615.0	2564.8	2562.6	2540.8
4°	2628.1	2604.1	2534.2	2508.1	2490.6
5°	2625.9	2591.0	2497.1	2449.1	2422.9
6°	2623.7	2575.7	2449.1	2377.1	2340.0
7°	2619.4	2551.7	2398.9	2300.7	2252.7
8°	2615.0	2529.9	2335.6	2217.7	2158.8
9°	2610.6	2501.5	2272.3	2128.2	2058.4
10°	2601.9	2473.1	2206.8	2036.6	1962.4
11°	2597.5	2440.4	2143.5	1949.3	1861.9
12°	2588.8	2405.5	2075.9	1857.6	1781.2
13°	2580.1	2368.4	1992.9	1779.0	1687.3
14°	2571.4	2329.1	1920.9	1691.7	1606.6
15°	2560.4	2287.6	1840.1	1608.7	1521.4
16°	2549.5	2239.6	1768.1	1523.6	1431.9
17°	2538.6	2193.7	1700.4	1445.0	1362.1
18°	2525.5	2147.9	1621.8	1368.6	1287.9
19°	2508.1	2095.5	1558.5	1298.8	1224.6
20°	2492.8	2047.5	1486.5	1233.3	1167.8
21°	2475.3	1988.5	1414.5	1172.2	1106.7
22.5°	2449.1	1905.6	1322.8	1095.8	1034.7
23°	2436.0	1881.6	1285.7	1067.4	1015.0
24°	2418.6	1818.3	1224.6	1023.7	971.4
25°	2392.4	1768.1	1172.2	984.4	943.0
26°	2368.4	1707.0	1119.8	949.5	908.1
27°	2344.3	1648.0	1073.9	912.4	877.5
28°	2313.8	1586.9	1023.7	881.9	851.3
29°	2281.0	1530.2	982.3	855.7	831.7
30°	2248.3	1466.9	947.3	831.7	812.0
32.5°	2156.6	1327.2	857.8	785.8	772.7
35°	2047.5	1196.2	794.5	744.3	740.0
37.5°	1925.2	1076.1	737.8	711.6	716.0
40°	1781.2	967.0	689.8	687.6	696.3
42.5°	1628.4	873.1	652.7	667.9	681.0
45°	1471.2	788.0	615.6	648.3	665.8
47.5°	1307.5	713.8	582.8	624.3	643.9
50°	1141.6	641.7	547.9	595.9	615.6
52.5°	993.2	578.4	513.0	563.2	585.0
55°	844.7	517.3	475.9	528.2	545.7
57.5°	716.0	460.6	436.6	489.0	502.0
60°	595.9	406.0	397.3	445.3	460.6
62.5°	486.8	358.0	360.2	406.0	421.3
65°	397.3	312.1	327.4	368.9	382.0



TEST NUMBER: P566445

CATALOG NUMBER: 4SNX-45SL-LN-UNV-L950-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	323.1	268.5	294.7	338.3	349.3
70°	255.4	229.2	268.5	307.8	318.7
72.5°	203.0	194.3	242.3	283.8	292.5
75°	155.0	161.5	220.5	259.8	270.7
77.5°	111.3	135.3	198.6	240.1	248.8
80°	78.6	111.3	181.2	222.6	231.4
82.5°	50.2	91.7	163.7	207.4	216.1
85°	26.2	74.2	148.4	192.1	200.8
87.5°	10.9	61.1	133.2	176.8	185.5
90°	0.0	50.2	120.1	163.7	170.3
92.5°	0.0	43.7	109.1	150.6	157.2
95°	0.0	37.1	100.4	137.5	144.1
97.5°	0.0	34.9	89.5	126.6	133.2
100°	0.0	30.6	80.8	115.7	124.4
102.5°	0.0	28.4	74.2	104.8	113.5
105°	0.0	26.2	67.7	96.0	104.8
107.5°	0.0	24.0	63.3	89.5	96.0
110°	0.0	24.0	56.8	82.9	89.5
112.5°	2.2	21.8	52.4	74.2	80.8
115°	2.2	21.8	48.0	69.9	74.2
117.5°	2.2	21.8	45.8	63.3	67.7
120°	2.2	19.6	43.7	58.9	63.3
122.5°	2.2	19.6	41.5	54.6	56.8
125°	2.2	17.5	39.3	50.2	54.6
127.5°	2.2	17.5	37.1	48.0	50.2
130°	2.2	17.5	34.9	43.7	48.0
132.5°	2.2	15.3	32.7	41.5	43.7
135°	2.2	15.3	30.6	39.3	41.5
137.5°	2.2	13.1	28.4	37.1	39.3
140°	2.2	13.1	26.2	34.9	37.1
142.5°	2.2	10.9	24.0	32.7	34.9
145°	2.2	10.9	21.8	30.6	32.7
147.5°	2.2	10.9	19.6	28.4	30.6
150°	2.2	8.7	17.5	26.2	28.4
152.5°	2.2	8.7	15.3	24.0	26.2
155°	2.2	8.7	15.3	21.8	24.0
157.5°	2.2	6.5	13.1	17.5	21.8
160°	2.2	6.5	10.9	15.3	19.6
162.5°	2.2	6.5	10.9	13.1	15.3
165°	2.2	4.4	8.7	10.9	13.1
167.5°	2.2	4.4	6.5	8.7	10.9
170°	2.2	4.4	6.5	6.5	8.7
172.5°	2.2	4.4	4.4	4.4	4.4
175°	4.4	4.4	4.4	4.4	2.2
177.5°	4.4	4.4	4.4	2.2	2.2



TEST NUMBER: P566445

CATALOG NUMBER: 4SNX-45SL-LN-UNV-L950-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.2	2.2	2.2	2.2	2.2

(END OF REPORT)