

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: P566443

Luminaire Tested: **4SNX-45SL-LN-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566443
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-L935-CD
Description: 4FT 4500 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

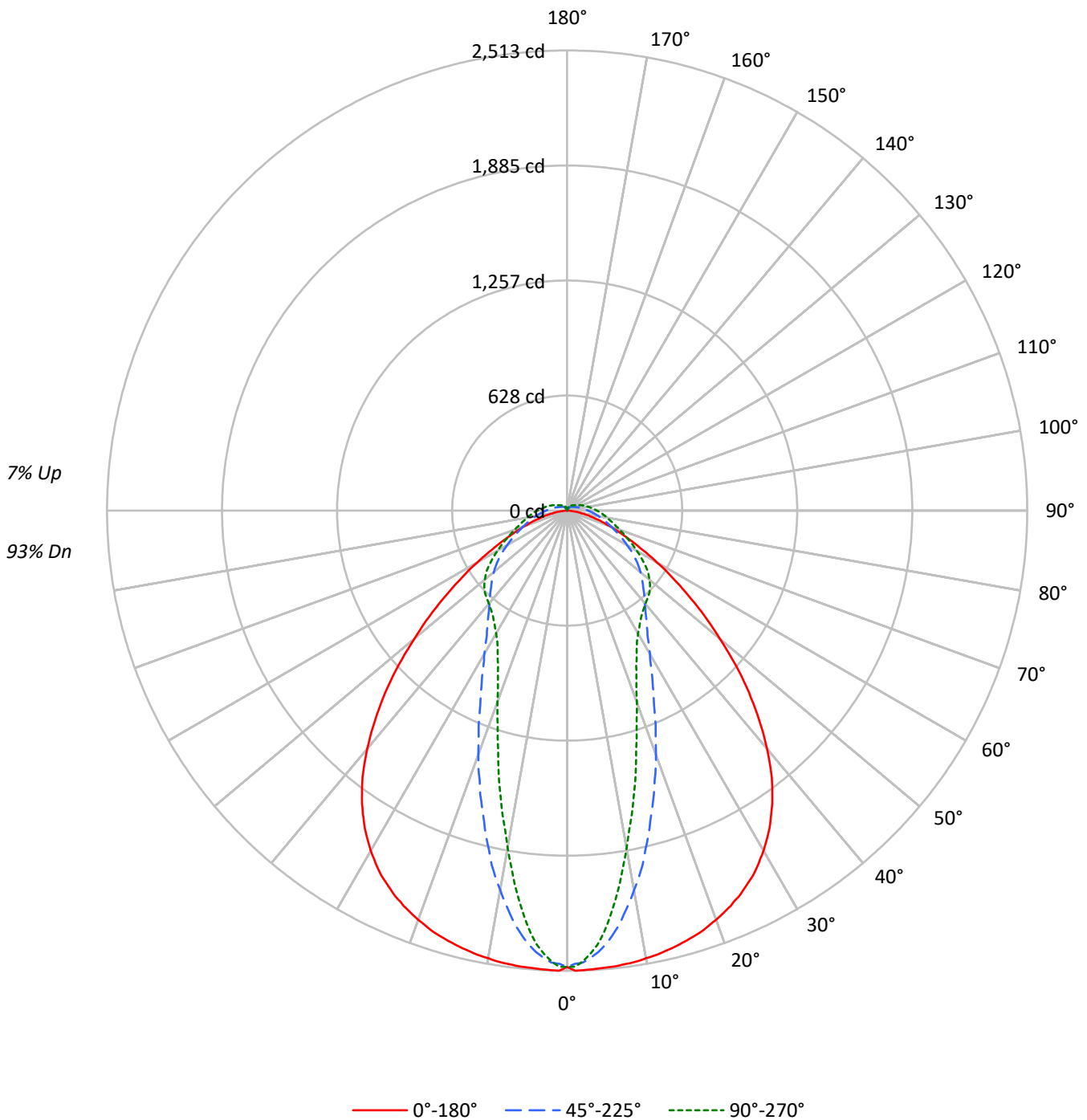
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3973.0 lumens
Efficiency: N/A
Efficacy: 133.3 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 (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	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°	26828	26828	26828
5°	26967	24657	23596
10°	26930	21141	18308
15°	26917	17246	13722
20°	26831	13738	10269
25°	26587	10765	8150
30°	26030	8713	6952
35°	24937	7373	6324
40°	23068	6510	5985
45°	20509	5956	5801
50°	17373	5480	5479
55°	14273	4966	5004
60°	11413	4369	4389
65°	8861	3835	3820
70°	6879	3392	3379
75°	5320	3048	3079
80°	3760	2789	2861
85°	2091	2600	2745



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.7	5.6
10°-20°	517.4	13.0
20°-30°	614.1	15.5
30°-40°	617.9	15.6
40°-50°	574.3	14.5
50°-60°	472.9	11.9
60°-70°	333.3	8.4
70°-80°	217.7	5.5
80°-90°	139.0	3.5
90°-100°	91.2	2.3
100°-110°	61.9	1.6
110°-120°	42.4	1.1
120°-130°	29.4	0.7
130°-140°	19.8	0.5
140°-150°	12.2	0.3
150°-160°	6.3	0.2
160°-170°	2.3	0.1
170°-180°	0.4	0.0
0°-30°	1352.2	34.0
0°-40°	1970.1	49.6
0°-60°	3017.3	75.9
0°-90°	3707.3	93.3
90°-120°	195.5	4.9
90°-150°	256.7	6.5
90°-180°	266.0	6.7
0°-180°	3973.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2492	2492	2492	2492	2492	
5°	2505	2472	2382	2336	2311	238
15°	2442	2182	1755	1535	1451	690
25°	2282	1687	1118	939	900	1050
35°	1953	1141	758	710	706	1215
45°	1403	752	587	618	635	1077
55°	806	494	454	504	520	728
65°	379	298	312	352	364	384
75°	148	154	210	248	258	160
85°	25	71	142	183	192	31
90°	0	48	114	156	162	1
95°	0	35	96	131	137	0
105°	0	25	64	92	100	0
115°	2	21	46	67	71	2
125°	2	17	38	48	52	2
135°	2	15	29	38	40	2
145°	2	10	21	29	31	1
155°	2	8	15	21	23	1
165°	2	4	8	10	12	1
175°	4	4	4	4	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2492.4	2492.4	2492.4	2492.4	2492.4
1°	2513.2	2502.8	2475.7	2494.5	2490.3
2°	2511.1	2500.7	2469.5	2477.8	2463.2
3°	2509.0	2494.5	2446.6	2444.5	2423.7
4°	2507.0	2484.1	2417.4	2392.4	2375.8
5°	2504.9	2471.6	2382.0	2336.2	2311.2
6°	2502.8	2457.0	2336.2	2267.5	2232.1
7°	2498.6	2434.1	2288.3	2194.6	2148.8
8°	2494.5	2413.3	2227.9	2115.5	2059.3
9°	2490.3	2386.2	2167.6	2030.1	1963.5
10°	2482.0	2359.1	2105.1	1942.7	1871.9
11°	2477.8	2327.9	2044.7	1859.4	1776.1
12°	2469.5	2294.6	1980.2	1771.9	1699.1
13°	2461.1	2259.2	1901.0	1697.0	1609.5
14°	2452.8	2221.7	1832.3	1613.7	1532.5
15°	2442.4	2182.1	1755.3	1534.6	1451.3
16°	2432.0	2136.3	1686.6	1453.4	1365.9
17°	2421.6	2092.6	1622.0	1378.4	1299.3
18°	2409.1	2048.9	1547.1	1305.5	1228.5
19°	2392.4	1998.9	1486.7	1238.9	1168.1
20°	2377.9	1953.1	1418.0	1176.4	1114.0
21°	2361.2	1896.9	1349.3	1118.1	1055.7
22.5°	2336.2	1817.8	1261.8	1045.3	987.0
23°	2323.7	1794.8	1226.4	1018.2	968.2
24°	2307.1	1734.5	1168.1	976.5	926.6
25°	2282.1	1686.6	1118.1	939.1	899.5
26°	2259.2	1628.3	1068.2	905.8	866.2
27°	2236.3	1572.1	1024.4	870.4	837.0
28°	2207.1	1513.8	976.5	841.2	812.1
29°	2175.9	1459.6	937.0	816.2	793.3
30°	2144.7	1399.2	903.7	793.3	774.6
32.5°	2057.2	1266.0	818.3	749.6	737.1
35°	1953.1	1141.0	757.9	710.0	705.9
37.5°	1836.5	1026.5	703.8	678.8	683.0
40°	1699.1	922.4	658.0	655.9	664.2
42.5°	1553.3	832.9	622.6	637.2	649.6
45°	1403.4	751.7	587.2	618.4	635.1
47.5°	1247.2	680.9	555.9	595.5	614.2
50°	1089.0	612.2	522.6	568.4	587.2
52.5°	947.4	551.8	489.3	537.2	558.0
55°	805.8	493.5	453.9	503.9	520.5
57.5°	683.0	439.3	416.4	466.4	478.9
60°	568.4	387.3	379.0	424.8	439.3
62.5°	464.3	341.5	343.6	387.3	401.9
65°	379.0	297.8	312.3	351.9	364.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	308.2	256.1	281.1	322.7	333.2
70°	243.6	218.6	256.1	293.6	304.0
72.5°	193.6	185.3	231.1	270.7	279.0
75°	147.8	154.1	210.3	247.8	258.2
77.5°	106.2	129.1	189.5	229.0	237.4
80°	75.0	106.2	172.8	212.4	220.7
82.5°	47.9	87.5	156.2	197.8	206.1
85°	25.0	70.8	141.6	183.2	191.6
87.5°	10.4	58.3	127.0	168.7	177.0
90°	0.0	47.9	114.5	156.2	162.4
92.5°	0.0	41.6	104.1	143.7	149.9
95°	0.0	35.4	95.8	131.2	137.4
97.5°	0.0	33.3	85.4	120.8	127.0
100°	0.0	29.2	77.0	110.4	118.7
102.5°	0.0	27.1	70.8	99.9	108.3
105°	0.0	25.0	64.5	91.6	99.9
107.5°	0.0	22.9	60.4	85.4	91.6
110°	0.0	22.9	54.1	79.1	85.4
112.5°	2.1	20.8	50.0	70.8	77.0
115°	2.1	20.8	45.8	66.6	70.8
117.5°	2.1	20.8	43.7	60.4	64.5
120°	2.1	18.7	41.6	56.2	60.4
122.5°	2.1	18.7	39.6	52.1	54.1
125°	2.1	16.7	37.5	47.9	52.1
127.5°	2.1	16.7	35.4	45.8	47.9
130°	2.1	16.7	33.3	41.6	45.8
132.5°	2.1	14.6	31.2	39.6	41.6
135°	2.1	14.6	29.2	37.5	39.6
137.5°	2.1	12.5	27.1	35.4	37.5
140°	2.1	12.5	25.0	33.3	35.4
142.5°	2.1	10.4	22.9	31.2	33.3
145°	2.1	10.4	20.8	29.2	31.2
147.5°	2.1	10.4	18.7	27.1	29.2
150°	2.1	8.3	16.7	25.0	27.1
152.5°	2.1	8.3	14.6	22.9	25.0
155°	2.1	8.3	14.6	20.8	22.9
157.5°	2.1	6.2	12.5	16.7	20.8
160°	2.1	6.2	10.4	14.6	18.7
162.5°	2.1	6.2	10.4	12.5	14.6
165°	2.1	4.2	8.3	10.4	12.5
167.5°	2.1	4.2	6.2	8.3	10.4
170°	2.1	4.2	6.2	6.2	8.3
172.5°	2.1	4.2	4.2	4.2	4.2
175°	4.2	4.2	4.2	4.2	2.1
177.5°	4.2	4.2	4.2	2.1	2.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)