

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: P565954

Luminaire Tested: **4SNX-100HL-LC-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565954
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-100HL-LC-UNV-L930-CD
Description: 4FT 10000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

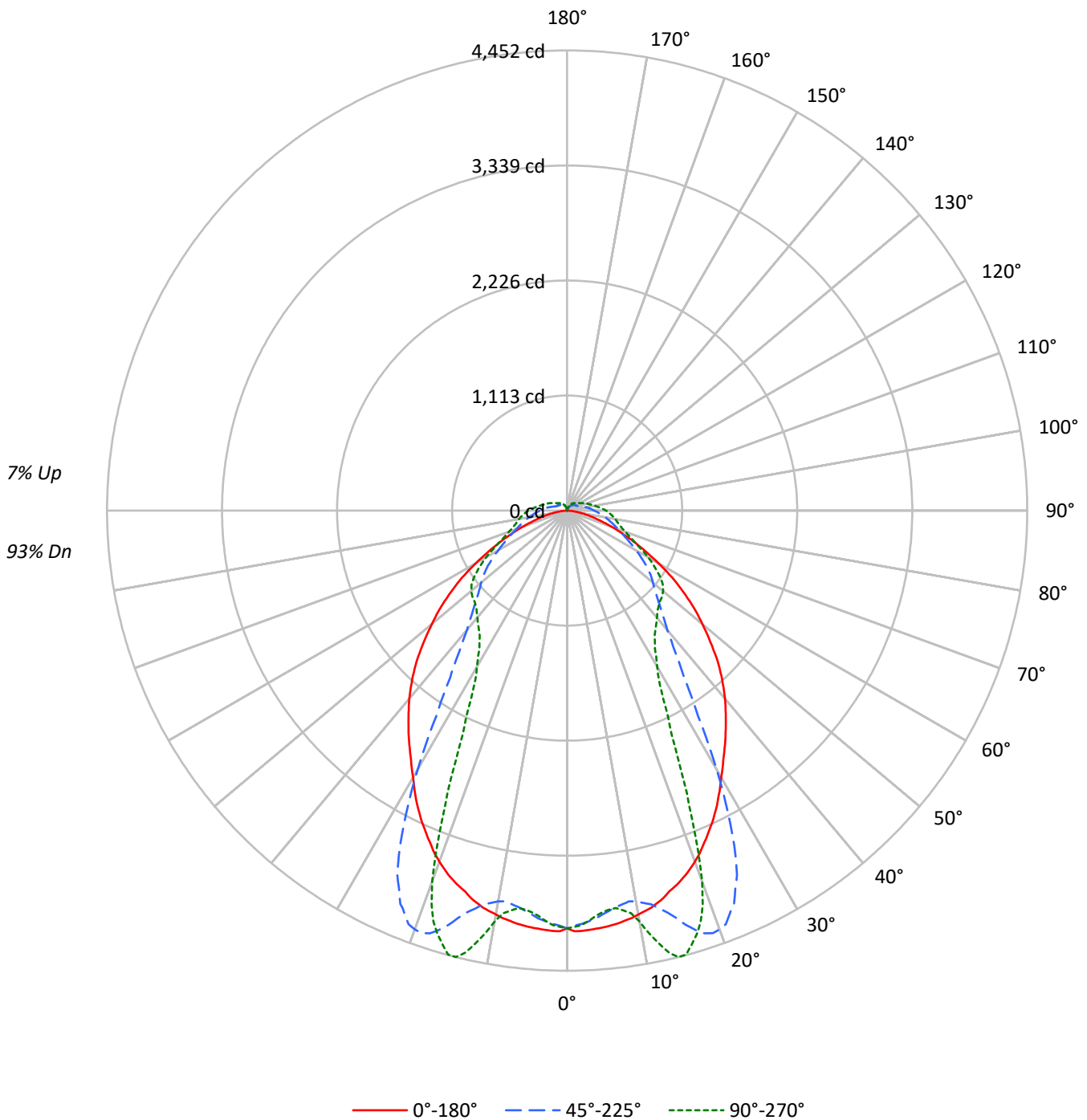
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8985.0 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 0.89 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 72.5
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

TEST NUMBER: P565954
CATALOG NUMBER: 4SNX-100HL-LC-UNV-L930-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	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	89	89	87	85	85	83	81	78
2	99	91	84	79	95	88	83	78	84	79	75	80	76	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	68	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	58	51	45	56	49	44	54	48	43	52	46	42	40
7	67	55	46	41	65	54	46	40	51	45	40	49	43	39	48	42	38	36
8	63	50	42	37	61	49	42	36	47	41	36	46	40	35	44	39	35	33
9	59	46	39	34	57	46	38	33	44	37	33	42	36	32	41	36	32	30
10	56	43	36	31	54	42	35	30	41	34	30	40	34	30	38	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	43516	43516	43516
5°	43568	40614	39833
10°	43047	38563	39500
15°	42045	40112	42050
20°	40772	41774	35192
25°	38726	37445	21639
30°	36181	27868	15661
35°	34103	19217	13211
40°	32240	14902	12176
45°	30072	12675	11514
50°	27247	11365	11303
55°	24275	10265	10458
60°	20466	8871	9046
65°	16518	7715	7550
70°	12823	6923	6647
75°	9775	6422	6199
80°	6673	6067	6137
85°	3447	5770	6093



TEST NUMBER: P565954

CATALOG NUMBER: 4SNX-100HL-LC-UNV-L930-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.2	4.2
10°-20°	1149.5	12.8
20°-30°	1547.8	17.2
30°-40°	1464.9	16.3
40°-50°	1293.0	14.4
50°-60°	1050.2	11.7
60°-70°	714.2	7.9
70°-80°	459.6	5.1
80°-90°	305.6	3.4
90°-100°	210.0	2.3
100°-110°	141.0	1.6
110°-120°	99.4	1.1
120°-130°	71.0	0.8
130°-140°	50.1	0.6
140°-150°	31.1	0.3
150°-160°	15.2	0.2
160°-170°	5.3	0.1
170°-180°	0.9	0.0
0°-30°	3073.5	34.2
0°-40°	4538.4	50.5
0°-60°	6881.5	76.6
0°-90°	8360.9	93.1
90°-120°	450.4	5.0
90°-150°	602.7	6.7
90°-180°	624.0	6.9
0°-180°	8985.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4043	4043	4043	4043	4043	
5°	4047	4010	3924	3921	3902	384
15°	3815	3790	4083	4443	4448	1076
25°	3324	3941	3889	2825	2388	1525
35°	2671	3748	1975	1521	1475	1671
45°	2058	2521	1250	1235	1261	1580
55°	1370	1491	938	1048	1088	1224
65°	706	804	628	698	720	709
75°	272	380	443	497	520	296
85°	41	162	314	398	425	54
90°	1	112	262	353	376	2
95°	1	86	221	299	320	1
105°	3	60	145	204	229	3
115°	3	52	107	152	172	3
125°	4	44	92	115	124	4
135°	6	34	76	96	102	4
145°	6	25	54	74	81	4
155°	7	15	33	49	56	3
165°	7	10	18	25	30	2
175°	8	8	8	8	7	1
180°	7	7	7	7	7	



TEST NUMBER: P565954

CATALOG NUMBER: 4SNX-100HL-LC-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4042.8	4042.8	4042.8	4042.8	4042.8
1°	4070.2	4057.9	4016.7	4038.7	4027.7
2°	4068.9	4048.3	4001.7	4026.3	4012.6
3°	4062.0	4040.1	3979.7	3994.8	3974.2
4°	4055.2	4029.1	3956.4	3956.4	3933.1
5°	4046.9	4009.9	3923.5	3920.7	3901.5
6°	4037.3	3994.8	3894.6	3891.9	3880.9
7°	4023.6	3968.7	3863.1	3882.3	3874.1
8°	4007.1	3944.0	3846.6	3894.6	3907.0
9°	3992.0	3913.9	3827.4	3933.1	3942.7
10°	3967.4	3886.4	3839.8	4009.9	4038.7
11°	3946.8	3863.1	3867.2	4085.3	4171.8
12°	3926.2	3838.4	3893.3	4180.0	4285.6
13°	3891.9	3819.2	3950.9	4282.9	4391.3
14°	3861.7	3804.1	4007.1	4387.1	4451.6
15°	3815.1	3790.4	4082.6	4443.4	4447.5
16°	3783.5	3780.8	4170.4	4447.5	4370.7
17°	3747.9	3776.7	4241.7	4376.2	4285.6
18°	3708.1	3784.9	4300.7	4287.0	4182.7
19°	3662.8	3793.1	4325.4	4163.5	4029.1
20°	3613.4	3805.5	4311.7	4034.6	3817.8
21°	3564.0	3821.9	4285.6	3898.8	3540.7
22.5°	3472.1	3861.7	4162.2	3517.4	3082.5
23°	3446.1	3870.0	4133.3	3398.0	2963.2
24°	3381.6	3904.3	4001.7	3119.6	2647.6
25°	3324.0	3941.3	3889.2	2824.6	2388.4
26°	3259.5	3968.7	3719.1	2553.0	2229.2
27°	3196.4	3985.2	3525.6	2341.7	2050.9
28°	3123.7	4003.0	3315.7	2159.3	1916.5
29°	3055.1	4005.8	3108.6	2013.9	1810.8
30°	2981.0	3992.0	2890.5	1897.3	1745.0
32.5°	2819.1	3916.6	2356.8	1675.0	1580.4
35°	2671.0	3747.9	1975.4	1521.4	1474.7
37.5°	2521.4	3481.7	1707.9	1425.3	1410.2
40°	2374.7	3166.2	1506.3	1348.5	1351.3
42.5°	2219.6	2841.1	1367.7	1285.4	1297.8
45°	2057.8	2521.4	1249.7	1234.7	1260.7
47.5°	1878.0	2229.2	1156.5	1201.7	1241.5
50°	1707.9	1939.8	1083.8	1170.2	1211.3
52.5°	1546.1	1702.5	1017.9	1116.7	1164.7
55°	1370.5	1491.2	938.3	1048.1	1087.9
57.5°	1203.1	1300.5	854.7	963.0	998.7
60°	1019.3	1112.6	769.6	871.1	905.4
62.5°	853.3	952.1	696.9	779.2	806.6
65°	706.5	803.9	628.3	698.3	720.2



TEST NUMBER: P565954

CATALOG NUMBER: 4SNX-100HL-LC-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	576.2	680.4	572.1	631.0	651.6
70°	454.1	563.8	522.7	576.2	598.1
72.5°	355.3	466.4	481.5	530.9	552.9
75°	271.6	380.0	443.1	496.6	519.9
77.5°	201.7	310.0	407.4	469.2	493.9
80°	133.1	246.9	375.9	444.5	473.3
82.5°	83.7	198.9	344.3	419.8	450.0
85°	41.2	161.9	314.2	397.8	425.3
87.5°	13.7	134.4	286.7	375.9	399.2
90°	1.4	112.5	262.0	352.6	375.9
92.5°	1.4	97.4	241.4	325.1	348.4
95°	1.4	86.4	220.9	299.1	319.6
97.5°	1.4	78.2	201.7	271.6	293.6
100°	1.4	70.0	181.1	245.6	268.9
102.5°	2.7	64.5	163.2	223.6	248.3
105°	2.7	60.4	145.4	204.4	229.1
107.5°	2.7	57.6	130.3	189.3	212.6
110°	2.7	54.9	119.3	175.6	200.3
112.5°	2.7	53.5	112.5	163.2	186.6
115°	2.7	52.1	107.0	152.3	171.5
117.5°	4.1	50.8	102.9	141.3	156.4
120°	4.1	48.0	100.1	131.7	144.0
122.5°	4.1	45.3	96.0	123.5	133.1
125°	4.1	43.9	91.9	115.2	123.5
127.5°	4.1	41.2	87.8	108.4	116.6
130°	5.5	38.4	83.7	102.9	109.7
132.5°	5.5	35.7	79.6	100.1	105.6
135°	5.5	34.3	75.5	96.0	101.5
137.5°	5.5	31.6	71.3	91.9	97.4
140°	5.5	28.8	65.8	86.4	91.9
142.5°	5.5	27.4	60.4	80.9	86.4
145°	5.5	24.7	53.5	74.1	80.9
147.5°	6.9	23.3	48.0	68.6	74.1
150°	6.9	20.6	42.5	63.1	68.6
152.5°	6.9	17.8	37.0	56.2	61.7
155°	6.9	15.1	32.9	49.4	56.2
157.5°	6.9	13.7	28.8	41.2	49.4
160°	6.9	12.3	24.7	35.7	42.5
162.5°	6.9	11.0	21.9	30.2	37.0
165°	6.9	9.6	17.8	24.7	30.2
167.5°	8.2	9.6	15.1	19.2	24.7
170°	8.2	9.6	12.3	15.1	19.2
172.5°	8.2	8.2	9.6	11.0	12.3
175°	8.2	8.2	8.2	8.2	6.9
177.5°	8.2	8.2	8.2	6.9	6.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	6.9	6.9	6.9	6.9	6.9

(END OF REPORT)