

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: P566599

Luminaire Tested: **4SNX-57SL-SLW-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566599  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-57SL-SLW-UNV-L835-CD  
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

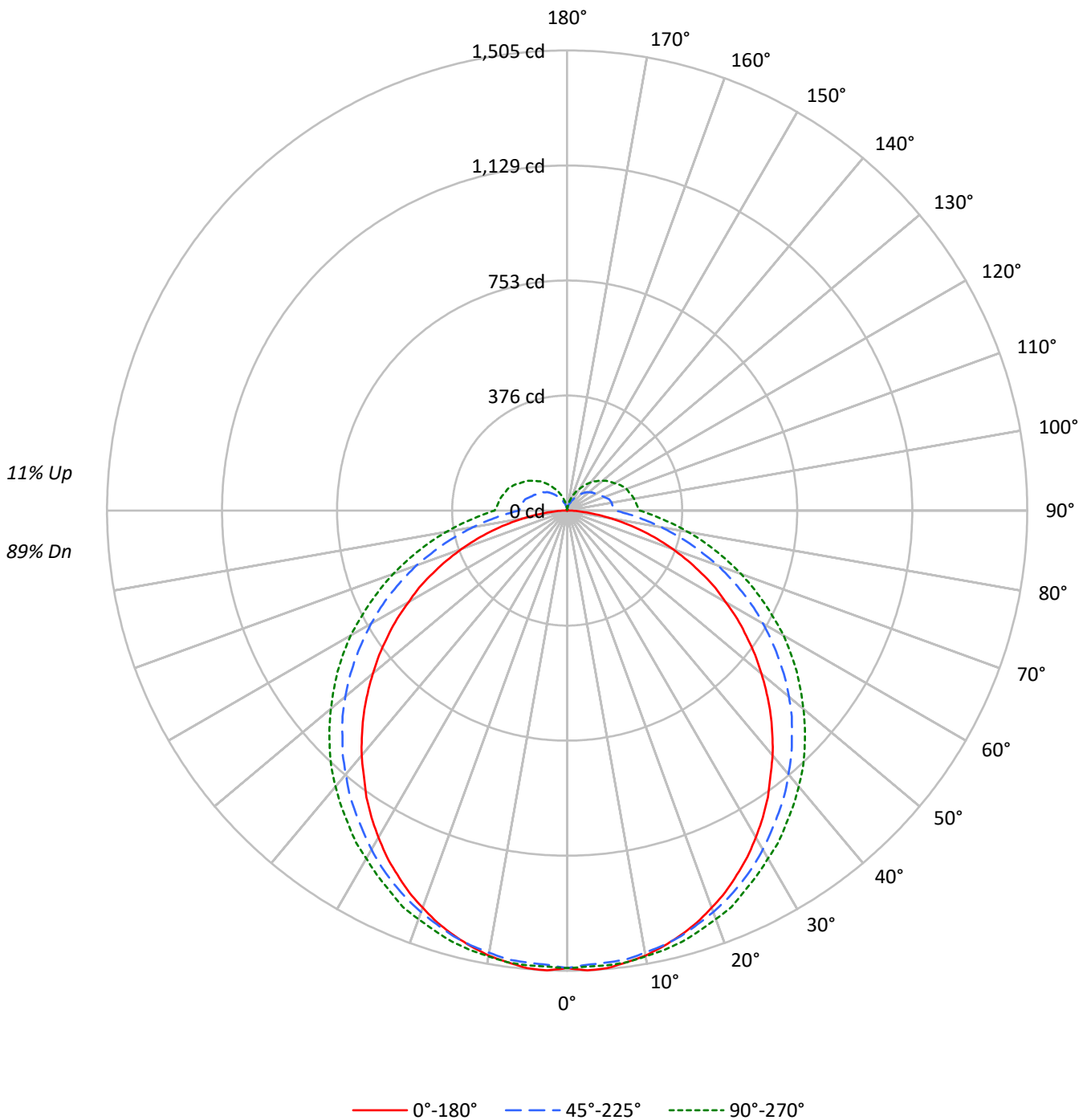
Lumens per Lamp: N/A  
Luminaire Lumens: 5326.0 lumens  
Efficiency: N/A  
Efficacy: 134.2 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 39.7  
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: P566599

CATALOG NUMBER: 4SNX-57SL-SLW-UNV-L835-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P566599

CATALOG NUMBER: 4SNX-57SL-SLW-UNV-L835-CD

**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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	16104	16104	16104
5°	16203	15689	15677
10°	16091	15372	15289
15°	15930	15048	14931
20°	15712	14675	14534
25°	15458	14309	14118
30°	15155	13909	13706
35°	14822	13492	13320
40°	14442	13082	12950
45°	14030	12665	12551
50°	13560	12224	12103
55°	13044	11695	11664
60°	12435	11129	11172
65°	11809	10494	10555
70°	10930	9793	9951
75°	9762	8904	9282
80°	7870	7999	8622
85°	5540	7222	7946



TEST NUMBER: P566599

CATALOG NUMBER: 4SNX-57SL-SLW-UNV-L835-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.1	2.7
10°-20°	408.5	7.7
20°-30°	621.1	11.7
30°-40°	753.9	14.2
40°-50°	796.6	15.0
50°-60°	745.5	14.0
60°-70°	611.7	11.5
70°-80°	420.7	7.9
80°-90°	230.4	4.3
90°-100°	148.4	2.8
100°-110°	133.1	2.5
110°-120°	110.2	2.1
120°-130°	84.9	1.6
130°-140°	59.6	1.1
140°-150°	35.9	0.7
150°-160°	17.2	0.3
160°-170°	5.6	0.1
170°-180°	0.7	0.0
0°-30°	1171.6	22.0
0°-40°	1925.5	36.2
0°-60°	3467.6	65.1
0°-90°	4730.4	88.8
90°-120°	391.7	7.4
90°-150°	572.1	10.7
90°-180°	596.0	11.2
0°-180°	5326.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1496	1496	1496	1496	1496	
5°	1502	1499	1484	1496	1493	142
15°	1438	1444	1441	1459	1459	405
25°	1314	1330	1345	1373	1373	606
35°	1144	1172	1206	1240	1249	715
45°	941	984	1040	1086	1098	725
55°	716	774	845	898	916	640
65°	484	549	632	691	710	480
75°	253	321	413	478	500	266
85°	56	133	225	287	308	64
90°	0	74	157	216	238	4
95°	0	71	151	207	228	0
105°	0	59	142	194	213	2
115°	3	52	120	173	194	3
125°	3	43	102	148	167	3
135°	3	34	83	120	136	2
145°	3	25	59	92	102	2
155°	3	15	37	59	68	1
165°	3	9	18	28	34	1
175°	3	3	6	6	3	0
180°	3	3	3	3	3	



TEST NUMBER: P566599

CATALOG NUMBER: 4SNX-57SL-SLW-UNV-L835-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1496.1	1496.1	1496.1	1496.1	1496.1
2.5°	1505.3	1502.3	1486.8	1499.2	1493.0
5°	1502.3	1499.2	1483.7	1496.1	1493.0
7.5°	1489.9	1489.9	1480.7	1493.0	1489.9
10°	1477.6	1477.6	1468.3	1483.7	1480.7
12.5°	1459.1	1462.2	1456.0	1474.5	1471.4
15°	1437.5	1443.6	1440.6	1459.1	1459.1
17.5°	1412.8	1419.0	1419.0	1440.6	1440.6
20°	1382.0	1391.2	1397.4	1422.1	1422.1
22.5°	1351.1	1363.4	1372.7	1394.3	1403.5
25°	1314.1	1329.5	1344.9	1372.7	1372.7
27.5°	1277.1	1295.6	1314.1	1341.9	1344.9
30°	1233.9	1255.5	1280.2	1307.9	1314.1
32.5°	1190.7	1218.5	1243.1	1277.1	1286.3
35°	1144.4	1172.2	1206.1	1240.1	1249.3
37.5°	1092.0	1125.9	1169.1	1206.1	1215.4
40°	1045.7	1082.7	1125.9	1169.1	1178.4
42.5°	993.3	1033.4	1085.8	1125.9	1141.3
45°	940.8	984.0	1039.5	1085.8	1098.2
47.5°	885.3	934.7	996.4	1039.5	1055.0
50°	829.8	882.2	947.0	996.4	1008.7
52.5°	774.3	829.8	897.7	947.0	962.4
55°	715.7	774.3	845.2	897.7	916.2
57.5°	660.1	718.7	792.8	848.3	866.8
60°	598.4	666.3	740.3	795.9	817.4
62.5°	546.0	607.7	687.9	743.4	761.9
65°	484.3	549.1	632.4	691.0	709.5
67.5°	425.7	493.6	576.8	638.5	657.0
70°	367.1	434.9	524.4	583.0	604.6
72.5°	308.5	379.4	465.8	530.6	552.2
75°	252.9	320.8	413.4	478.1	499.7
77.5°	194.3	268.4	360.9	425.7	450.4
80°	141.9	219.0	311.6	376.3	401.0
82.5°	95.6	172.7	265.3	330.1	354.7
85°	55.5	132.6	225.2	286.9	308.5
87.5°	27.8	101.8	188.2	249.9	271.5
90°	0.0	74.0	157.3	215.9	237.5
92.5°	0.0	70.9	154.2	209.8	231.4
95°	0.0	70.9	151.2	206.7	228.3
97.5°	0.0	67.9	148.1	206.7	225.2
100°	0.0	64.8	148.1	203.6	222.1
102.5°	0.0	61.7	145.0	200.5	219.0
105°	0.0	58.6	141.9	194.3	212.8
107.5°	3.1	58.6	135.7	191.3	209.8
110°	3.1	55.5	129.6	188.2	206.7



TEST NUMBER: P566599

CATALOG NUMBER: 4SNX-57SL-SLW-UNV-L835-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	3.1	52.4	123.4	182.0	200.5
115°	3.1	52.4	120.3	172.7	194.3
117.5°	3.1	49.4	114.1	166.6	188.2
120°	3.1	49.4	111.0	160.4	178.9
122.5°	3.1	46.3	104.9	154.2	172.7
125°	3.1	43.2	101.8	148.1	166.6
127.5°	3.1	40.1	98.7	141.9	160.4
130°	3.1	37.0	92.5	135.7	151.2
132.5°	3.1	37.0	89.5	126.5	145.0
135°	3.1	33.9	83.3	120.3	135.7
137.5°	3.1	30.8	77.1	114.1	129.6
140°	3.1	27.8	70.9	108.0	120.3
142.5°	3.1	27.8	64.8	98.7	111.0
145°	3.1	24.7	58.6	92.5	101.8
147.5°	3.1	21.6	52.4	83.3	92.5
150°	3.1	21.6	46.3	74.0	83.3
152.5°	3.1	18.5	40.1	67.9	77.1
155°	3.1	15.4	37.0	58.6	67.9
157.5°	3.1	15.4	30.8	49.4	58.6
160°	3.1	12.3	27.8	40.1	49.4
162.5°	3.1	12.3	24.7	33.9	43.2
165°	3.1	9.3	18.5	27.8	33.9
167.5°	3.1	9.3	15.4	21.6	27.8
170°	3.1	6.2	12.3	15.4	21.6
172.5°	3.1	6.2	9.3	9.3	9.3
175°	3.1	3.1	6.2	6.2	3.1
177.5°	3.1	3.1	3.1	3.1	3.1
180°	3.1	3.1	3.1	3.1	3.1

(END OF REPORT)