

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: P566591

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566591
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-LW-UNV-L835-CD
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

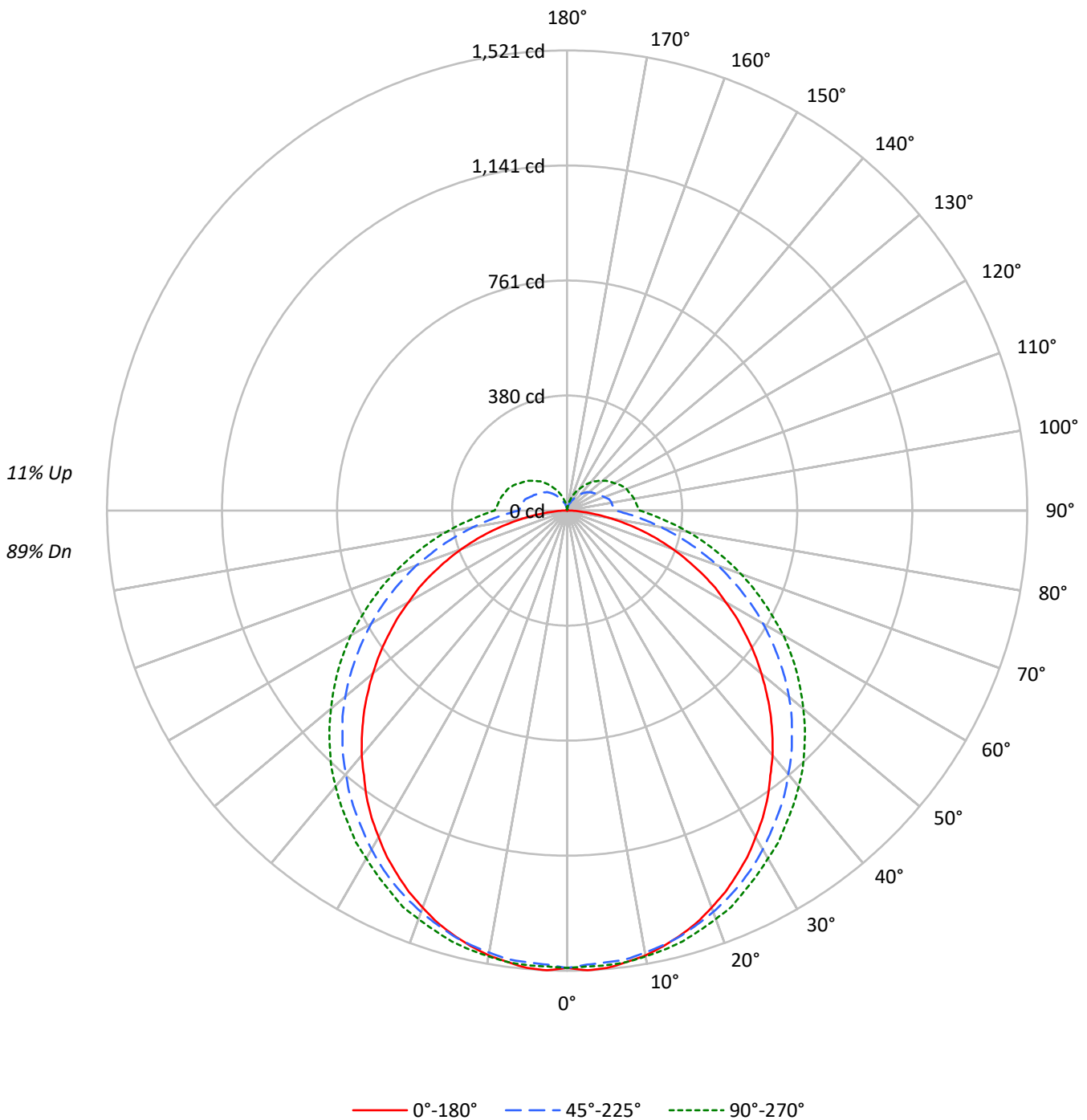
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5381.0 lumens
Efficiency: N/A
Efficacy: 135.5 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: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 39.7
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: P566591
CATALOG NUMBER: 4SNX-57SL-LW-UNV-L835-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	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	77	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°	16270	16270	16270
5°	16340	15518	15400
10°	16197	14899	14631
15°	16005	14299	13937
20°	15754	13678	13243
25°	15468	13082	12565
30°	15130	12470	11916
35°	14762	11855	11307
40°	14344	11254	10727
45°	13892	10653	10134
50°	13375	10033	9510
55°	12806	9342	8898
60°	12140	8622	8252
65°	11440	7845	7514
70°	10474	7017	6788
75°	9199	6053	6020
80°	7190	5081	5254
85°	4693	4178	4466



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.6	2.7
10°-20°	412.7	7.7
20°-30°	627.5	11.7
30°-40°	761.7	14.2
40°-50°	804.9	15.0
50°-60°	753.2	14.0
60°-70°	618.0	11.5
70°-80°	425.0	7.9
80°-90°	232.8	4.3
90°-100°	149.9	2.8
100°-110°	134.5	2.5
110°-120°	111.3	2.1
120°-130°	85.7	1.6
130°-140°	60.2	1.1
140°-150°	36.3	0.7
150°-160°	17.4	0.3
160°-170°	5.7	0.1
170°-180°	0.7	0.0
0°-30°	1183.7	22.0
0°-40°	1945.4	36.2
0°-60°	3503.4	65.1
0°-90°	4779.2	88.8
90°-120°	395.7	7.4
90°-150°	578.0	10.7
90°-180°	602.0	11.2
0°-180°	5381.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1512	1512	1512	1512	1512	
5°	1518	1515	1499	1512	1508	144
15°	1452	1459	1455	1474	1474	410
25°	1328	1343	1359	1387	1387	612
35°	1156	1184	1219	1253	1262	722
45°	951	994	1050	1097	1110	733
55°	723	782	854	907	926	647
65°	489	555	639	698	717	485
75°	256	324	418	483	505	269
85°	56	134	228	290	312	65
90°	0	75	159	218	240	4
95°	0	72	153	209	231	0
105°	0	59	143	196	215	2
115°	3	53	122	174	196	3
125°	3	44	103	150	168	3
135°	3	34	84	122	137	2
145°	3	25	59	94	103	2
155°	3	16	37	59	69	1
165°	3	9	19	28	34	1
175°	3	3	6	6	3	0
180°	3	3	3	3	3	



TEST NUMBER: P566591

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1511.5	1511.5	1511.5	1511.5	1511.5
2.5°	1520.9	1517.8	1502.2	1514.7	1508.4
5°	1517.8	1514.7	1499.1	1511.5	1508.4
7.5°	1505.3	1505.3	1496.0	1508.4	1505.3
10°	1492.8	1492.8	1483.5	1499.1	1496.0
12.5°	1474.1	1477.3	1471.0	1489.7	1486.6
15°	1452.3	1458.6	1455.4	1474.1	1474.1
17.5°	1427.4	1433.6	1433.6	1455.4	1455.4
20°	1396.2	1405.6	1411.8	1436.7	1436.7
22.5°	1365.1	1377.5	1386.9	1408.7	1418.0
25°	1327.7	1343.2	1358.8	1386.9	1386.9
27.5°	1290.3	1309.0	1327.7	1355.7	1358.8
30°	1246.6	1268.4	1293.4	1321.4	1327.7
32.5°	1203.0	1231.0	1256.0	1290.3	1299.6
35°	1156.2	1184.3	1218.6	1252.9	1262.2
37.5°	1103.3	1137.5	1181.2	1218.6	1227.9
40°	1056.5	1093.9	1137.5	1181.2	1190.5
42.5°	1003.5	1044.1	1097.0	1137.5	1153.1
45°	950.6	994.2	1050.3	1097.0	1109.5
47.5°	894.5	944.3	1006.7	1050.3	1065.9
50°	838.4	891.3	956.8	1006.7	1019.1
52.5°	782.3	838.4	906.9	956.8	972.4
55°	723.0	782.3	853.9	906.9	925.6
57.5°	666.9	726.2	801.0	857.1	875.8
60°	604.6	673.2	748.0	804.1	825.9
62.5°	551.6	614.0	695.0	751.1	769.8
65°	489.3	554.7	638.9	698.1	716.8
67.5°	430.1	498.7	582.8	645.1	663.8
70°	370.9	439.4	529.8	589.0	610.8
72.5°	311.7	383.3	470.6	536.0	557.9
75°	255.6	324.1	417.6	483.1	504.9
77.5°	196.3	271.1	364.6	430.1	455.0
80°	143.4	221.3	314.8	380.2	405.2
82.5°	96.6	174.5	268.0	333.5	358.4
85°	56.1	134.0	227.5	289.8	311.7
87.5°	28.0	102.8	190.1	252.4	274.3
90°	0.0	74.8	158.9	218.2	240.0
92.5°	0.0	71.7	155.8	211.9	233.7
95°	0.0	71.7	152.7	208.8	230.6
97.5°	0.0	68.6	149.6	208.8	227.5
100°	0.0	65.4	149.6	205.7	224.4
102.5°	0.0	62.3	146.5	202.6	221.3
105°	0.0	59.2	143.4	196.3	215.0
107.5°	3.1	59.2	137.1	193.2	211.9
110°	3.1	56.1	130.9	190.1	208.8



TEST NUMBER: P566591

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.1	53.0	124.7	183.9	202.6
115°	3.1	53.0	121.5	174.5	196.3
117.5°	3.1	49.9	115.3	168.3	190.1
120°	3.1	49.9	112.2	162.1	180.8
122.5°	3.1	46.7	106.0	155.8	174.5
125°	3.1	43.6	102.8	149.6	168.3
127.5°	3.1	40.5	99.7	143.4	162.1
130°	3.1	37.4	93.5	137.1	152.7
132.5°	3.1	37.4	90.4	127.8	146.5
135°	3.1	34.3	84.1	121.5	137.1
137.5°	3.1	31.2	77.9	115.3	130.9
140°	3.1	28.0	71.7	109.1	121.5
142.5°	3.1	28.0	65.4	99.7	112.2
145°	3.1	24.9	59.2	93.5	102.8
147.5°	3.1	21.8	53.0	84.1	93.5
150°	3.1	21.8	46.7	74.8	84.1
152.5°	3.1	18.7	40.5	68.6	77.9
155°	3.1	15.6	37.4	59.2	68.6
157.5°	3.1	15.6	31.2	49.9	59.2
160°	3.1	12.5	28.0	40.5	49.9
162.5°	3.1	12.5	24.9	34.3	43.6
165°	3.1	9.3	18.7	28.0	34.3
167.5°	3.1	9.3	15.6	21.8	28.0
170°	3.1	6.2	12.5	15.6	21.8
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)