

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: P566603

Luminaire Tested: **4SNX-57SL-SLW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566603
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-L935-CD
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

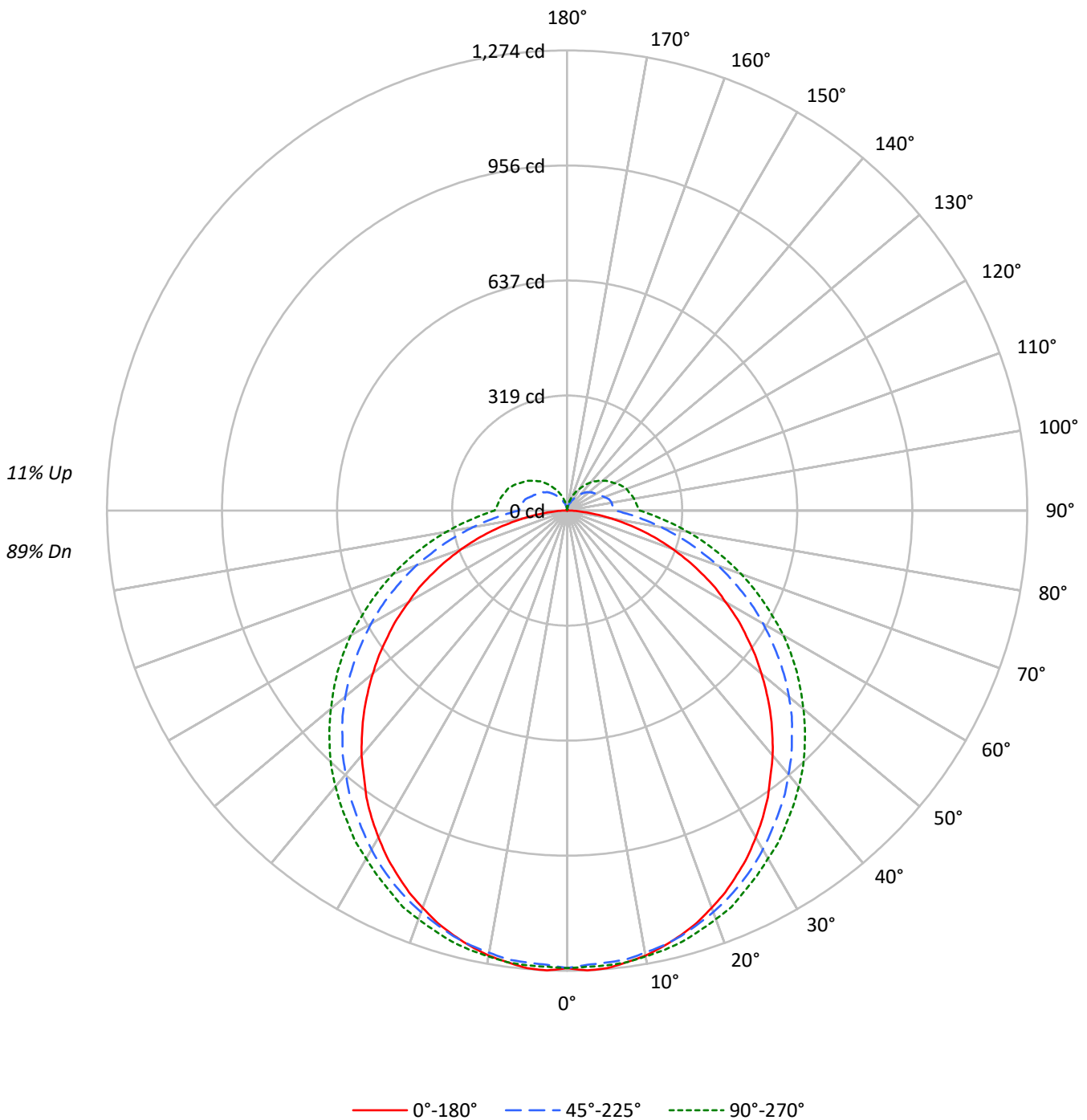
Lumens per Lamp: N/A
Luminaire Lumens: 4509.0 lumens
Efficiency: N/A
Efficacy: 113.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

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

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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	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°	13634	13634	13634
5°	13717	13282	13272
10°	13622	13015	12943
15°	13487	12739	12641
20°	13302	12423	12304
25°	13086	12114	11952
30°	12830	11775	11603
35°	12549	11423	11277
40°	12227	11076	10963
45°	11878	10723	10625
50°	11480	10349	10247
55°	11043	9902	9874
60°	10528	9423	9460
65°	9998	8884	8937
70°	9254	8291	8425
75°	8264	7536	7859
80°	6661	6772	7300
85°	4692	6113	6728



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.3	2.7
10°-20°	345.8	7.7
20°-30°	525.8	11.7
30°-40°	638.3	14.2
40°-50°	674.5	15.0
50°-60°	631.1	14.0
60°-70°	517.9	11.5
70°-80°	356.2	7.9
80°-90°	195.0	4.3
90°-100°	125.6	2.8
100°-110°	112.7	2.5
110°-120°	93.3	2.1
120°-130°	71.8	1.6
130°-140°	50.5	1.1
140°-150°	30.4	0.7
150°-160°	14.6	0.3
160°-170°	4.8	0.1
170°-180°	0.6	0.0
0°-30°	991.9	22.0
0°-40°	1630.1	36.2
0°-60°	2935.7	65.1
0°-90°	4004.8	88.8
90°-120°	331.6	7.4
90°-150°	484.3	10.7
90°-180°	504.0	11.2
0°-180°	4509.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1267	1267	1267	1267	1267	
5°	1272	1269	1256	1267	1264	121
15°	1217	1222	1220	1235	1235	343
25°	1112	1126	1139	1162	1162	513
35°	969	992	1021	1050	1058	605
45°	796	833	880	919	930	614
55°	606	656	716	760	776	542
65°	410	465	535	585	601	406
75°	214	272	350	405	423	225
85°	47	112	191	243	261	54
90°	0	63	133	183	201	3
95°	0	60	128	175	193	0
105°	0	50	120	164	180	2
115°	3	44	102	146	164	3
125°	3	37	86	125	141	2
135°	3	29	70	102	115	2
145°	3	21	50	78	86	2
155°	3	13	31	50	58	1
165°	3	8	16	24	29	1
175°	3	3	5	5	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1266.6	1266.6	1266.6	1266.6	1266.6
2.5°	1274.4	1271.8	1258.8	1269.2	1264.0
5°	1271.8	1269.2	1256.1	1266.6	1264.0
7.5°	1261.4	1261.4	1253.5	1264.0	1261.4
10°	1250.9	1250.9	1243.1	1256.1	1253.5
12.5°	1235.3	1237.9	1232.6	1248.3	1245.7
15°	1217.0	1222.2	1219.6	1235.3	1235.3
17.5°	1196.1	1201.3	1201.3	1219.6	1219.6
20°	1170.0	1177.8	1183.0	1203.9	1203.9
22.5°	1143.8	1154.3	1162.1	1180.4	1188.2
25°	1112.5	1125.6	1138.6	1162.1	1162.1
27.5°	1081.2	1096.8	1112.5	1136.0	1138.6
30°	1044.6	1062.9	1083.8	1107.3	1112.5
32.5°	1008.0	1031.6	1052.4	1081.2	1089.0
35°	968.9	992.4	1021.1	1049.8	1057.7
37.5°	924.5	953.2	989.8	1021.1	1028.9
40°	885.3	916.6	953.2	989.8	997.6
42.5°	840.9	874.9	919.3	953.2	966.3
45°	796.5	833.1	880.1	919.3	929.7
47.5°	749.5	791.3	843.5	880.1	893.1
50°	702.5	746.9	801.7	843.5	854.0
52.5°	655.5	702.5	760.0	801.7	814.8
55°	605.9	655.5	715.6	760.0	775.6
57.5°	558.9	608.5	671.2	718.2	733.8
60°	506.6	564.1	626.8	673.8	692.1
62.5°	462.2	514.5	582.4	629.4	645.0
65°	410.0	464.9	535.4	585.0	600.7
67.5°	360.4	417.8	488.4	540.6	556.3
70°	310.8	368.2	444.0	493.6	511.9
72.5°	261.2	321.2	394.3	449.2	467.5
75°	214.1	271.6	349.9	404.8	423.1
77.5°	164.5	227.2	305.5	360.4	381.3
80°	120.1	185.4	263.8	318.6	339.5
82.5°	81.0	146.2	224.6	279.4	300.3
85°	47.0	112.3	190.6	242.9	261.2
87.5°	23.5	86.2	159.3	211.5	229.8
90°	0.0	62.7	133.2	182.8	201.1
92.5°	0.0	60.1	130.6	177.6	195.9
95°	0.0	60.1	128.0	175.0	193.3
97.5°	0.0	57.5	125.4	175.0	190.6
100°	0.0	54.8	125.4	172.4	188.0
102.5°	0.0	52.2	122.7	169.7	185.4
105°	0.0	49.6	120.1	164.5	180.2
107.5°	2.6	49.6	114.9	161.9	177.6
110°	2.6	47.0	109.7	159.3	175.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.6	44.4	104.5	154.1	169.7
115°	2.6	44.4	101.8	146.2	164.5
117.5°	2.6	41.8	96.6	141.0	159.3
120°	2.6	41.8	94.0	135.8	151.5
122.5°	2.6	39.2	88.8	130.6	146.2
125°	2.6	36.6	86.2	125.4	141.0
127.5°	2.6	33.9	83.6	120.1	135.8
130°	2.6	31.3	78.3	114.9	128.0
132.5°	2.6	31.3	75.7	107.1	122.7
135°	2.6	28.7	70.5	101.8	114.9
137.5°	2.6	26.1	65.3	96.6	109.7
140°	2.6	23.5	60.1	91.4	101.8
142.5°	2.6	23.5	54.8	83.6	94.0
145°	2.6	20.9	49.6	78.3	86.2
147.5°	2.6	18.3	44.4	70.5	78.3
150°	2.6	18.3	39.2	62.7	70.5
152.5°	2.6	15.7	33.9	57.5	65.3
155°	2.6	13.1	31.3	49.6	57.5
157.5°	2.6	13.1	26.1	41.8	49.6
160°	2.6	10.4	23.5	33.9	41.8
162.5°	2.6	10.4	20.9	28.7	36.6
165°	2.6	7.8	15.7	23.5	28.7
167.5°	2.6	7.8	13.1	18.3	23.5
170°	2.6	5.2	10.4	13.1	18.3
172.5°	2.6	5.2	7.8	7.8	7.8
175°	2.6	2.6	5.2	5.2	2.6
177.5°	2.6	2.6	2.6	2.6	2.6
180°	2.6	2.6	2.6	2.6	2.6

(END OF REPORT)