

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: P566604

Luminaire Tested: **4SNX-57SL-SLW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566604
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-L940-CD
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

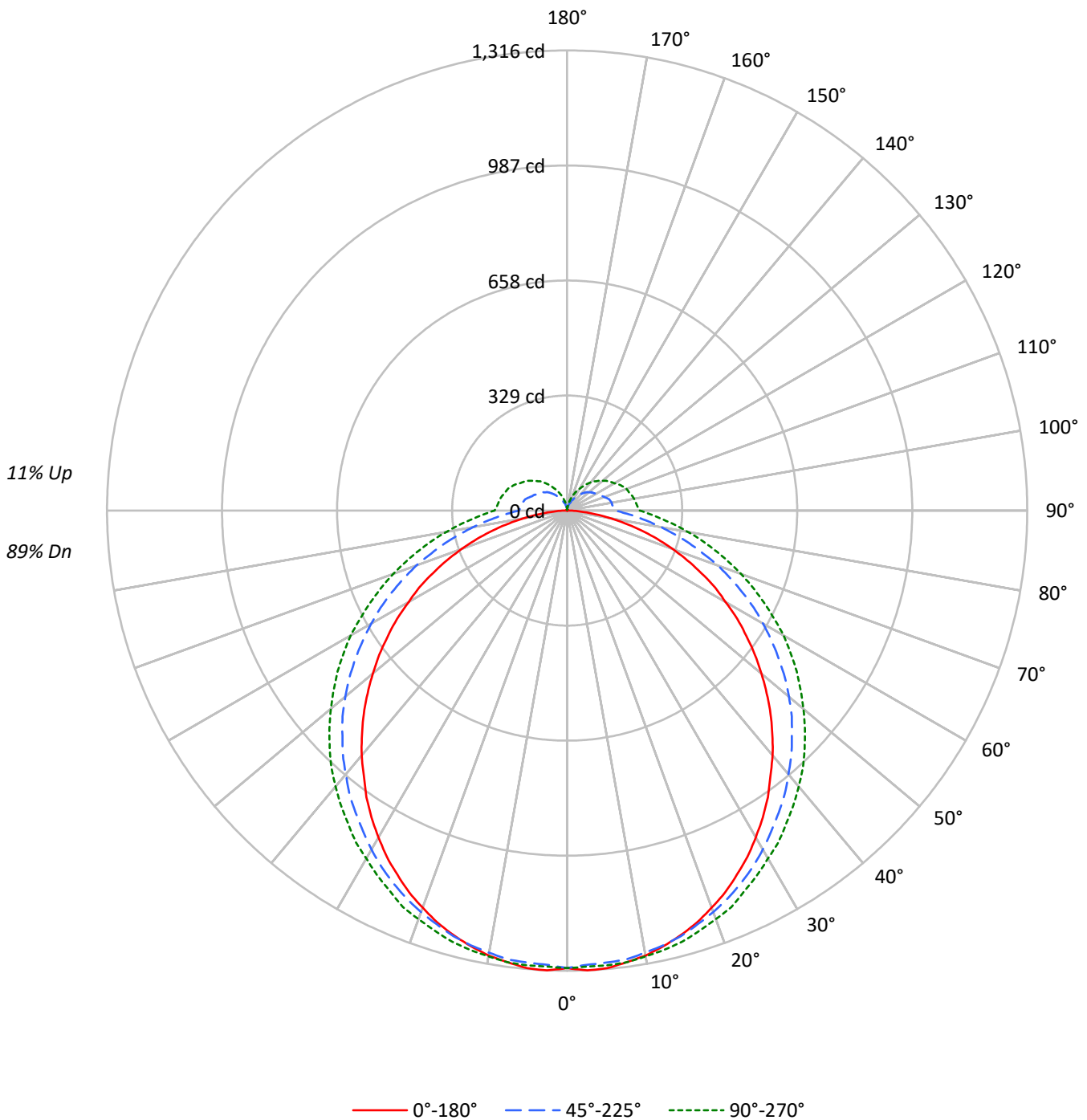
Lumens per Lamp: N/A
Luminaire Lumens: 4657.0 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 39.7
Input Voltage (V): NR
Input Current (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	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°	14081	14081	14081
5°	14168	13719	13708
10°	14070	13442	13368
15°	13929	13157	13056
20°	13738	12832	12707
25°	13516	12512	12344
30°	13251	12162	11984
35°	12961	11797	11647
40°	12629	11439	11323
45°	12269	11075	10973
50°	11857	10690	10583
55°	11406	10226	10198
60°	10875	9731	9770
65°	10327	9175	9230
70°	9558	8562	8702
75°	8538	7784	8117
80°	6883	6993	7539
85°	4852	6315	6947



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.3	2.7
10°-20°	357.1	7.7
20°-30°	543.0	11.7
30°-40°	659.2	14.2
40°-50°	696.6	15.0
50°-60°	651.8	14.0
60°-70°	534.8	11.5
70°-80°	367.9	7.9
80°-90°	201.5	4.3
90°-100°	129.7	2.8
100°-110°	116.4	2.5
110°-120°	96.4	2.1
120°-130°	74.2	1.6
130°-140°	52.1	1.1
140°-150°	31.4	0.7
150°-160°	15.0	0.3
160°-170°	4.9	0.1
170°-180°	0.6	0.0
0°-30°	1024.4	22.0
0°-40°	1683.6	36.2
0°-60°	3032.1	65.1
0°-90°	4136.2	88.8
90°-120°	342.5	7.4
90°-150°	500.2	10.7
90°-180°	521.0	11.2
0°-180°	4657.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1308	1308	1308	1308	1308	
5°	1314	1311	1297	1308	1306	125
15°	1257	1262	1260	1276	1276	354
25°	1149	1162	1176	1200	1200	529
35°	1001	1025	1055	1084	1092	625
45°	823	860	909	949	960	634
55°	626	677	739	785	801	560
65°	424	480	553	604	620	419
75°	221	280	361	418	437	233
85°	49	116	197	251	270	56
90°	0	65	138	189	208	3
95°	0	62	132	181	200	0
105°	0	51	124	170	186	2
115°	3	46	105	151	170	3
125°	3	38	89	130	146	2
135°	3	30	73	105	119	2
145°	3	22	51	81	89	2
155°	3	14	32	51	59	1
165°	3	8	16	24	30	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°	1308.2	1308.2	1308.2	1308.2	1308.2
2.5°	1316.3	1313.6	1300.1	1310.9	1305.5
5°	1313.6	1310.9	1297.4	1308.2	1305.5
7.5°	1302.8	1302.8	1294.7	1305.5	1302.8
10°	1292.0	1292.0	1283.9	1297.4	1294.7
12.5°	1275.8	1278.5	1273.1	1289.3	1286.6
15°	1256.9	1262.3	1259.6	1275.8	1275.8
17.5°	1235.3	1240.7	1240.7	1259.6	1259.6
20°	1208.4	1216.5	1221.9	1243.4	1243.4
22.5°	1181.4	1192.2	1200.3	1219.2	1227.2
25°	1149.0	1162.5	1176.0	1200.3	1200.3
27.5°	1116.7	1132.8	1149.0	1173.3	1176.0
30°	1078.9	1097.8	1119.4	1143.6	1149.0
32.5°	1041.1	1065.4	1087.0	1116.7	1124.7
35°	1000.7	1025.0	1054.6	1084.3	1092.4
37.5°	954.8	984.5	1022.3	1054.6	1062.7
40°	914.4	946.7	984.5	1022.3	1030.3
42.5°	868.5	903.6	949.4	984.5	998.0
45°	822.7	860.4	909.0	949.4	960.2
47.5°	774.1	817.3	871.2	909.0	922.5
50°	725.6	771.4	828.1	871.2	882.0
52.5°	677.0	725.6	784.9	828.1	841.5
55°	625.8	677.0	739.0	784.9	801.1
57.5°	577.2	628.5	693.2	741.7	757.9
60°	523.3	582.6	647.3	695.9	714.8
62.5°	477.4	531.4	601.5	650.0	666.2
65°	423.5	480.1	552.9	604.2	620.4
67.5°	372.2	431.6	504.4	558.3	574.5
70°	321.0	380.3	458.5	509.8	528.7
72.5°	269.7	331.8	407.3	463.9	482.8
75°	221.2	280.5	361.4	418.1	437.0
77.5°	169.9	234.7	315.6	372.2	393.8
80°	124.1	191.5	272.4	329.1	350.6
82.5°	83.6	151.0	232.0	288.6	310.2
85°	48.6	116.0	196.9	250.8	269.7
87.5°	24.3	89.0	164.5	218.5	237.4
90°	0.0	64.7	137.6	188.8	207.7
92.5°	0.0	62.0	134.9	183.4	202.3
95°	0.0	62.0	132.2	180.7	199.6
97.5°	0.0	59.3	129.5	180.7	196.9
100°	0.0	56.6	129.5	178.0	194.2
102.5°	0.0	53.9	126.8	175.3	191.5
105°	0.0	51.2	124.1	169.9	186.1
107.5°	2.7	51.2	118.7	167.2	183.4
110°	2.7	48.6	113.3	164.5	180.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.7	45.9	107.9	159.1	175.3
115°	2.7	45.9	105.2	151.0	169.9
117.5°	2.7	43.2	99.8	145.7	164.5
120°	2.7	43.2	97.1	140.3	156.4
122.5°	2.7	40.5	91.7	134.9	151.0
125°	2.7	37.8	89.0	129.5	145.7
127.5°	2.7	35.1	86.3	124.1	140.3
130°	2.7	32.4	80.9	118.7	132.2
132.5°	2.7	32.4	78.2	110.6	126.8
135°	2.7	29.7	72.8	105.2	118.7
137.5°	2.7	27.0	67.4	99.8	113.3
140°	2.7	24.3	62.0	94.4	105.2
142.5°	2.7	24.3	56.6	86.3	97.1
145°	2.7	21.6	51.2	80.9	89.0
147.5°	2.7	18.9	45.9	72.8	80.9
150°	2.7	18.9	40.5	64.7	72.8
152.5°	2.7	16.2	35.1	59.3	67.4
155°	2.7	13.5	32.4	51.2	59.3
157.5°	2.7	13.5	27.0	43.2	51.2
160°	2.7	10.8	24.3	35.1	43.2
162.5°	2.7	10.8	21.6	29.7	37.8
165°	2.7	8.1	16.2	24.3	29.7
167.5°	2.7	8.1	13.5	18.9	24.3
170°	2.7	5.4	10.8	13.5	18.9
172.5°	2.7	5.4	8.1	8.1	8.1
175°	2.7	2.7	5.4	5.4	2.7
177.5°	2.7	2.7	2.7	2.7	2.7
180°	2.7	2.7	2.7	2.7	2.7

(END OF REPORT)