

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: P566597

Luminaire Tested: **4SNX-57SL-LW-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566597
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-L950-CD
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

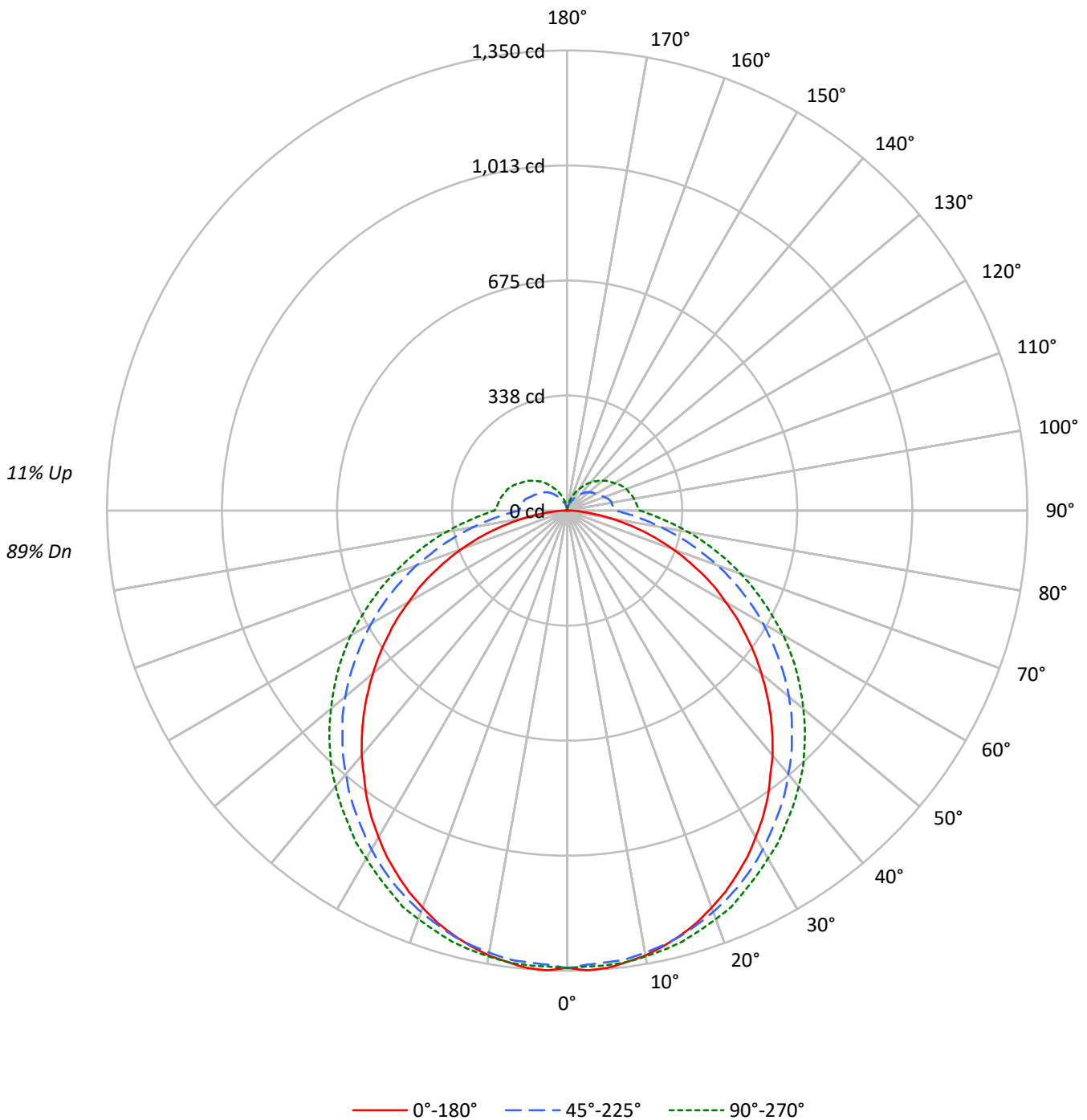
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4776.0 lumens
Efficiency: N/A
Efficacy: 120.3 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: 0.17')
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	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°	14441	14441	14441
5°	14503	13773	13669
10°	14377	13224	12986
15°	14206	12692	12370
20°	13983	12141	11755
25°	13729	11611	11152
30°	13430	11068	10576
35°	13102	10522	10036
40°	12731	9988	9522
45°	12329	9455	8995
50°	11871	8905	8440
55°	11368	8292	7898
60°	10774	7653	7323
65°	10154	6964	6669
70°	9296	6228	6026
75°	8163	5373	5343
80°	6378	4509	4662
85°	4166	3708	3963



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.4	2.7
10°-20°	366.3	7.7
20°-30°	556.9	11.7
30°-40°	676.0	14.2
40°-50°	714.4	15.0
50°-60°	668.5	14.0
60°-70°	548.5	11.5
70°-80°	377.3	7.9
80°-90°	206.6	4.3
90°-100°	133.0	2.8
100°-110°	119.4	2.5
110°-120°	98.8	2.1
120°-130°	76.1	1.6
130°-140°	53.5	1.1
140°-150°	32.2	0.7
150°-160°	15.4	0.3
160°-170°	5.1	0.1
170°-180°	0.6	0.0
0°-30°	1050.6	22.0
0°-40°	1726.7	36.2
0°-60°	3109.5	65.1
0°-90°	4241.9	88.8
90°-120°	351.2	7.4
90°-150°	513.0	10.7
90°-180°	534.0	11.2
0°-180°	4776.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1342	1342	1342	1342	1342	
5°	1347	1344	1330	1342	1339	128
15°	1289	1295	1292	1308	1308	363
25°	1178	1192	1206	1231	1231	543
35°	1026	1051	1082	1112	1120	641
45°	844	882	932	974	985	650
55°	642	694	758	805	822	574
65°	434	492	567	620	636	430
75°	227	288	371	429	448	239
85°	50	119	202	257	277	58
90°	0	66	141	194	213	3
95°	0	64	136	185	205	0
105°	0	53	127	174	191	2
115°	3	47	108	155	174	3
125°	3	39	91	133	149	3
135°	3	30	75	108	122	2
145°	3	22	53	83	91	2
155°	3	14	33	53	61	1
165°	3	8	17	25	30	1
175°	3	3	6	6	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1341.6	1341.6	1341.6	1341.6	1341.6
2.5°	1349.9	1347.1	1333.3	1344.4	1338.8
5°	1347.1	1344.4	1330.5	1341.6	1338.8
7.5°	1336.1	1336.1	1327.8	1338.8	1336.1
10°	1325.0	1325.0	1316.7	1330.5	1327.8
12.5°	1308.4	1311.2	1305.6	1322.2	1319.5
15°	1289.0	1294.6	1291.8	1308.4	1308.4
17.5°	1266.9	1272.4	1272.4	1291.8	1291.8
20°	1239.2	1247.5	1253.1	1275.2	1275.2
22.5°	1211.6	1222.6	1230.9	1250.3	1258.6
25°	1178.4	1192.2	1206.0	1230.9	1230.9
27.5°	1145.2	1161.8	1178.4	1203.3	1206.0
30°	1106.5	1125.8	1148.0	1172.9	1178.4
32.5°	1067.7	1092.6	1114.8	1145.2	1153.5
35°	1026.2	1051.1	1081.6	1112.0	1120.3
37.5°	979.2	1009.6	1048.4	1081.6	1089.9
40°	937.7	970.9	1009.6	1048.4	1056.7
42.5°	890.7	926.7	973.7	1009.6	1023.5
45°	843.7	882.4	932.2	973.7	984.8
47.5°	793.9	838.1	893.5	932.2	946.0
50°	744.1	791.1	849.2	893.5	904.5
52.5°	694.3	744.1	805.0	849.2	863.0
55°	641.8	694.3	757.9	805.0	821.6
57.5°	592.0	644.5	710.9	760.7	777.3
60°	536.6	597.5	663.9	713.7	733.0
62.5°	489.6	544.9	616.9	666.6	683.2
65°	434.3	492.4	567.1	619.6	636.2
67.5°	381.7	442.6	517.3	572.6	589.2
70°	329.2	390.0	470.2	522.8	542.2
72.5°	276.6	340.2	417.7	475.8	495.1
75°	226.8	287.7	370.7	428.8	448.1
77.5°	174.3	240.7	323.6	381.7	403.9
80°	127.2	196.4	279.4	337.5	359.6
82.5°	85.8	154.9	237.9	296.0	318.1
85°	49.8	118.9	201.9	257.3	276.6
87.5°	24.9	91.3	168.7	224.1	243.4
90°	0.0	66.4	141.1	193.6	213.0
92.5°	0.0	63.6	138.3	188.1	207.5
95°	0.0	63.6	135.5	185.3	204.7
97.5°	0.0	60.9	132.8	185.3	201.9
100°	0.0	58.1	132.8	182.6	199.2
102.5°	0.0	55.3	130.0	179.8	196.4
105°	0.0	52.6	127.2	174.3	190.9
107.5°	2.8	52.6	121.7	171.5	188.1
110°	2.8	49.8	116.2	168.7	185.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.8	47.0	110.6	163.2	179.8
115°	2.8	47.0	107.9	154.9	174.3
117.5°	2.8	44.3	102.3	149.4	168.7
120°	2.8	44.3	99.6	143.8	160.4
122.5°	2.8	41.5	94.0	138.3	154.9
125°	2.8	38.7	91.3	132.8	149.4
127.5°	2.8	36.0	88.5	127.2	143.8
130°	2.8	33.2	83.0	121.7	135.5
132.5°	2.8	33.2	80.2	113.4	130.0
135°	2.8	30.4	74.7	107.9	121.7
137.5°	2.8	27.7	69.2	102.3	116.2
140°	2.8	24.9	63.6	96.8	107.9
142.5°	2.8	24.9	58.1	88.5	99.6
145°	2.8	22.1	52.6	83.0	91.3
147.5°	2.8	19.4	47.0	74.7	83.0
150°	2.8	19.4	41.5	66.4	74.7
152.5°	2.8	16.6	36.0	60.9	69.2
155°	2.8	13.8	33.2	52.6	60.9
157.5°	2.8	13.8	27.7	44.3	52.6
160°	2.8	11.1	24.9	36.0	44.3
162.5°	2.8	11.1	22.1	30.4	38.7
165°	2.8	8.3	16.6	24.9	30.4
167.5°	2.8	8.3	13.8	19.4	24.9
170°	2.8	5.5	11.1	13.8	19.4
172.5°	2.8	5.5	8.3	8.3	8.3
175°	2.8	2.8	5.5	5.5	2.8
177.5°	2.8	2.8	2.8	2.8	2.8
180°	2.8	2.8	2.8	2.8	2.8

(END OF REPORT)