

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: P566701

Luminaire Tested: **4SNX-63SL-SLW-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566701
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-63SL-SLW-UNV-L950-CD
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

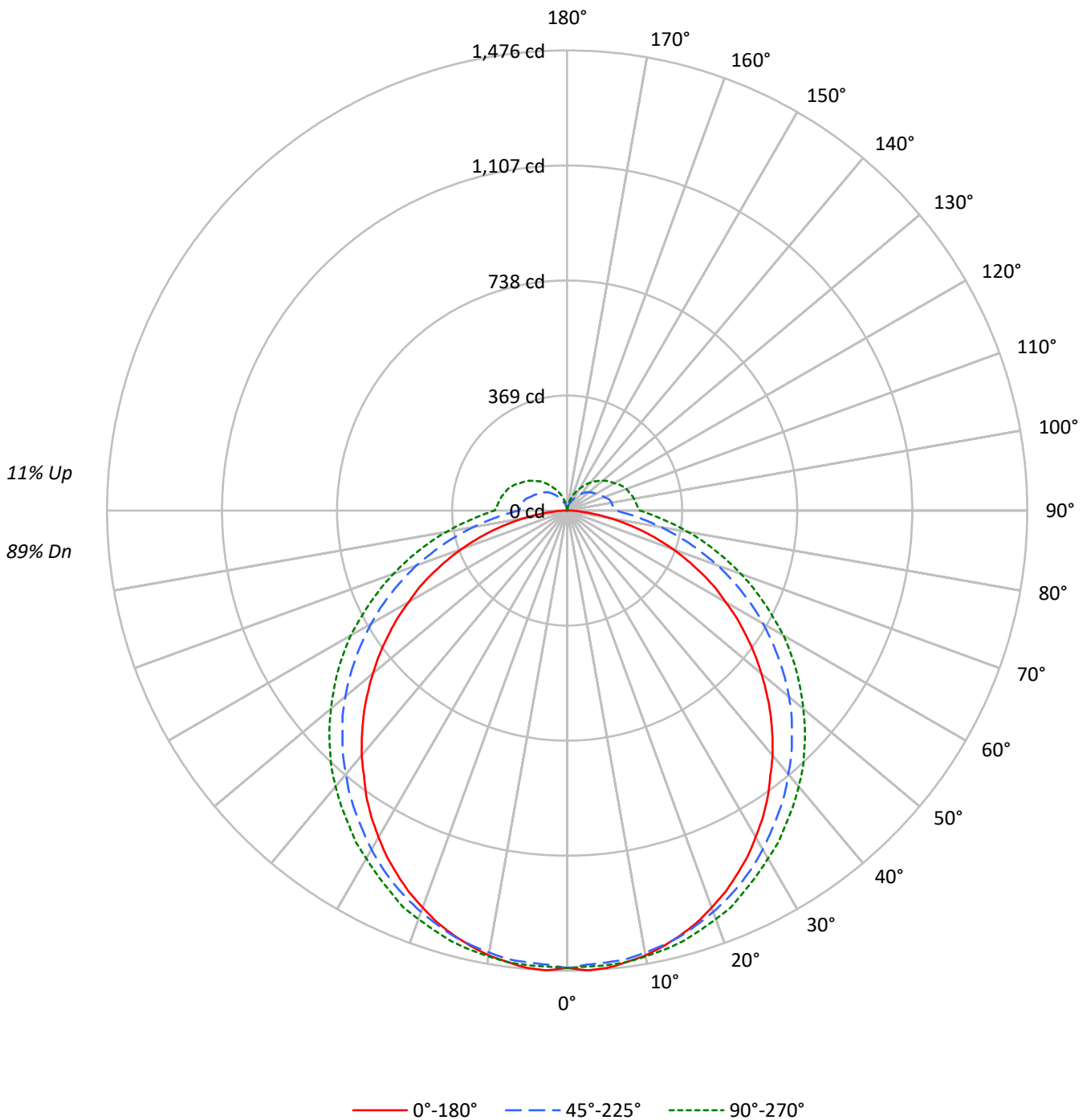
Lumens per Lamp: N/A
Luminaire Lumens: 5222.0 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 44.4
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°	15790	15790	15790
5°	15886	15383	15370
10°	15777	15073	14990
15°	15619	14753	14640
20°	15405	14388	14249
25°	15155	14030	13842
30°	14859	13637	13438
35°	14534	13229	13060
40°	14160	12827	12698
45°	13757	12417	12305
50°	13296	11986	11866
55°	12789	11467	11436
60°	12192	10913	10955
65°	11578	10288	10349
70°	10716	9602	9757
75°	9573	8730	9101
80°	7715	7843	8455
85°	5431	7081	7789



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.3	2.7
10°-20°	400.5	7.7
20°-30°	608.9	11.7
30°-40°	739.2	14.2
40°-50°	781.1	15.0
50°-60°	730.9	14.0
60°-70°	599.7	11.5
70°-80°	412.5	7.9
80°-90°	225.9	4.3
90°-100°	145.5	2.8
100°-110°	130.5	2.5
110°-120°	108.0	2.1
120°-130°	83.2	1.6
130°-140°	58.5	1.1
140°-150°	35.2	0.7
150°-160°	16.9	0.3
160°-170°	5.5	0.1
170°-180°	0.7	0.0
0°-30°	1148.7	22.0
0°-40°	1887.9	36.2
0°-60°	3399.9	65.1
0°-90°	4638.0	88.8
90°-120°	384.0	7.4
90°-150°	560.9	10.7
90°-180°	584.0	11.2
0°-180°	5222.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1467	1467	1467	1467	1467	
5°	1473	1470	1455	1467	1464	140
15°	1409	1416	1412	1431	1431	397
25°	1288	1304	1319	1346	1346	594
35°	1122	1149	1183	1216	1225	701
45°	922	965	1019	1065	1077	711
55°	702	759	829	880	898	628
65°	475	538	620	678	696	470
75°	248	314	405	469	490	261
85°	54	130	221	281	302	63
90°	0	73	154	212	233	4
95°	0	70	148	203	224	0
105°	0	58	139	190	209	2
115°	3	51	118	169	190	3
125°	3	42	100	145	163	3
135°	3	33	82	118	133	2
145°	3	24	58	91	100	2
155°	3	15	36	58	66	1
165°	3	9	18	27	33	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°	1466.9	1466.9	1466.9	1466.9	1466.9
2.5°	1475.9	1472.9	1457.8	1469.9	1463.8
5°	1472.9	1469.9	1454.8	1466.9	1463.8
7.5°	1460.8	1460.8	1451.7	1463.8	1460.8
10°	1448.7	1448.7	1439.7	1454.8	1451.7
12.5°	1430.6	1433.6	1427.6	1445.7	1442.7
15°	1409.4	1415.5	1412.4	1430.6	1430.6
17.5°	1385.2	1391.3	1391.3	1412.4	1412.4
20°	1355.0	1364.0	1370.1	1394.3	1394.3
22.5°	1324.7	1336.8	1345.9	1367.1	1376.1
25°	1288.4	1303.6	1318.7	1345.9	1345.9
27.5°	1252.1	1270.3	1288.4	1315.6	1318.7
30°	1209.8	1231.0	1255.2	1282.4	1288.4
32.5°	1167.4	1194.7	1218.9	1252.1	1261.2
35°	1122.1	1149.3	1182.6	1215.8	1224.9
37.5°	1070.7	1103.9	1146.3	1182.6	1191.6
40°	1025.3	1061.6	1103.9	1146.3	1155.4
42.5°	973.9	1013.2	1064.6	1103.9	1119.1
45°	922.5	964.8	1019.2	1064.6	1076.7
47.5°	868.0	916.4	976.9	1019.2	1034.4
50°	813.6	865.0	928.5	976.9	989.0
52.5°	759.1	813.6	880.1	928.5	943.6
55°	701.7	759.1	828.7	880.1	898.3
57.5°	647.2	704.7	777.3	831.7	849.9
60°	586.7	653.3	725.9	780.3	801.5
62.5°	535.3	595.8	674.5	728.9	747.0
65°	474.8	538.4	620.0	677.5	695.6
67.5°	417.4	483.9	565.6	626.1	644.2
70°	359.9	426.5	514.2	571.6	592.8
72.5°	302.4	372.0	456.7	520.2	541.4
75°	248.0	314.5	405.3	468.8	490.0
77.5°	190.5	263.1	353.9	417.4	441.6
80°	139.1	214.7	305.5	369.0	393.2
82.5°	93.8	169.4	260.1	323.6	347.8
85°	54.4	130.1	220.8	281.3	302.4
87.5°	27.2	99.8	184.5	245.0	266.2
90°	0.0	72.6	154.2	211.7	232.9
92.5°	0.0	69.6	151.2	205.7	226.8
95°	0.0	69.6	148.2	202.6	223.8
97.5°	0.0	66.5	145.2	202.6	220.8
100°	0.0	63.5	145.2	199.6	217.8
102.5°	0.0	60.5	142.2	196.6	214.7
105°	0.0	57.5	139.1	190.5	208.7
107.5°	3.0	57.5	133.1	187.5	205.7
110°	3.0	54.4	127.0	184.5	202.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.0	51.4	121.0	178.4	196.6
115°	3.0	51.4	118.0	169.4	190.5
117.5°	3.0	48.4	111.9	163.3	184.5
120°	3.0	48.4	108.9	157.3	175.4
122.5°	3.0	45.4	102.8	151.2	169.4
125°	3.0	42.3	99.8	145.2	163.3
127.5°	3.0	39.3	96.8	139.1	157.3
130°	3.0	36.3	90.7	133.1	148.2
132.5°	3.0	36.3	87.7	124.0	142.2
135°	3.0	33.3	81.7	118.0	133.1
137.5°	3.0	30.2	75.6	111.9	127.0
140°	3.0	27.2	69.6	105.9	118.0
142.5°	3.0	27.2	63.5	96.8	108.9
145°	3.0	24.2	57.5	90.7	99.8
147.5°	3.0	21.2	51.4	81.7	90.7
150°	3.0	21.2	45.4	72.6	81.7
152.5°	3.0	18.1	39.3	66.5	75.6
155°	3.0	15.1	36.3	57.5	66.5
157.5°	3.0	15.1	30.2	48.4	57.5
160°	3.0	12.1	27.2	39.3	48.4
162.5°	3.0	12.1	24.2	33.3	42.3
165°	3.0	9.1	18.1	27.2	33.3
167.5°	3.0	9.1	15.1	21.2	27.2
170°	3.0	6.0	12.1	15.1	21.2
172.5°	3.0	6.0	9.1	9.1	9.1
175°	3.0	3.0	6.0	6.0	3.0
177.5°	3.0	3.0	3.0	3.0	3.0
180°	3.0	3.0	3.0	3.0	3.0

(END OF REPORT)