

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: P566494

Luminaire Tested: **4SNX-48SL-LW-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566494
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-48SL-LW-UNV-L830-CD
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

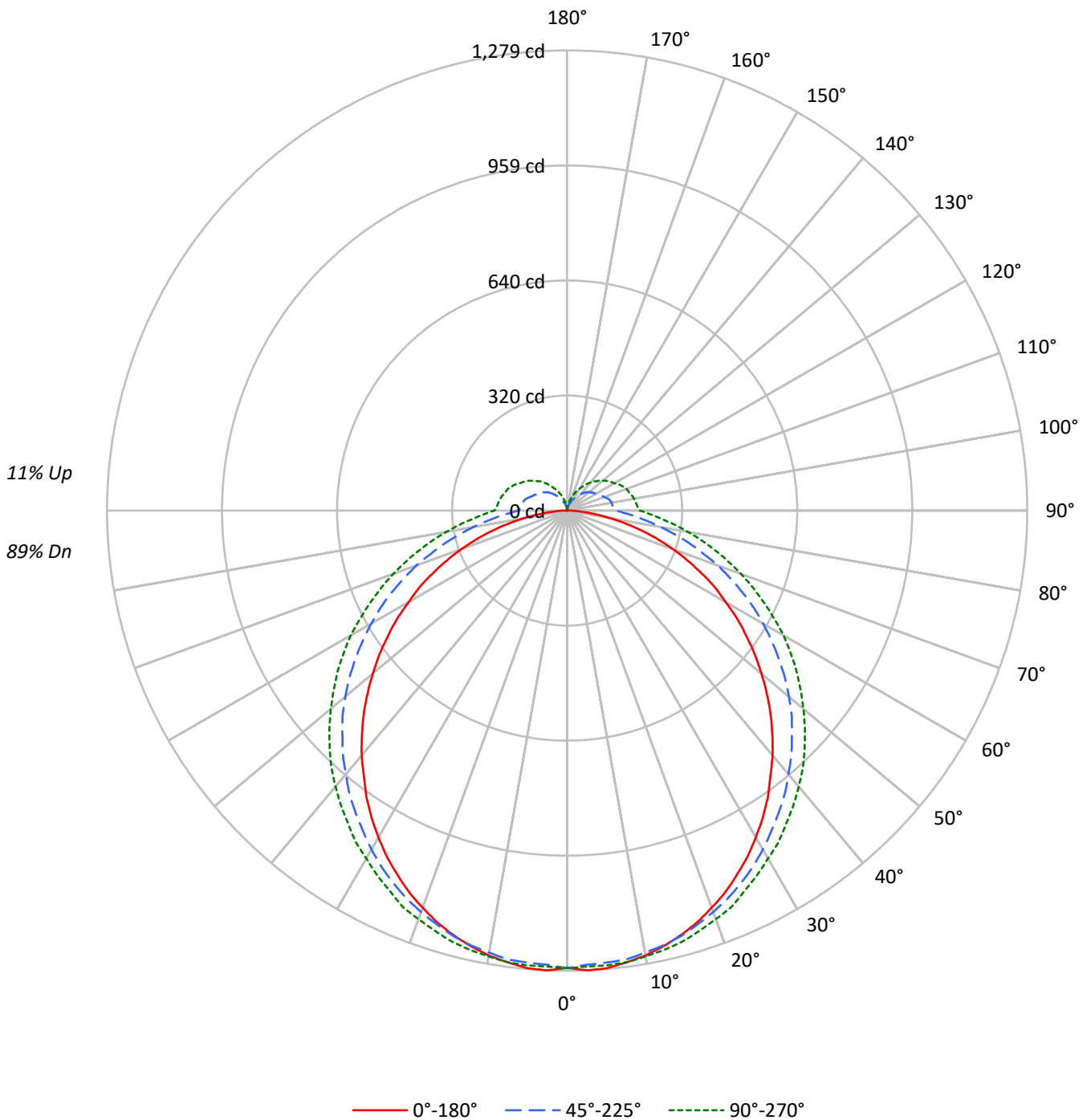
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4526.0 lumens
Efficiency: N/A
Efficacy: 141.0 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): 32.1
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: P566494
CATALOG NUMBER: 4SNX-48SL-LW-UNV-L830-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566494

CATALOG NUMBER: 4SNX-48SL-LW-UNV-L830-CD

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	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°	13685	13685	13685
5°	13744	13052	12953
10°	13624	12532	12307
15°	13463	12028	11723
20°	13251	11505	11140
25°	13010	11004	10569
30°	12726	10489	10022
35°	12417	9972	9511
40°	12064	9466	9023
45°	11684	8960	8523
50°	11249	8439	7999
55°	10773	7858	7484
60°	10210	7252	6941
65°	9623	6599	6320
70°	8808	5902	5710
75°	7738	5092	5064
80°	6047	4274	4419
85°	3949	3515	3755



TEST NUMBER: P566494

CATALOG NUMBER: 4SNX-48SL-LW-UNV-L830-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.8	2.7
10°-20°	347.1	7.7
20°-30°	527.8	11.7
30°-40°	640.7	14.2
40°-50°	677.0	15.0
50°-60°	633.5	14.0
60°-70°	519.8	11.5
70°-80°	357.5	7.9
80°-90°	195.8	4.3
90°-100°	126.1	2.8
100°-110°	113.1	2.5
110°-120°	93.6	2.1
120°-130°	72.1	1.6
130°-140°	50.7	1.1
140°-150°	30.5	0.7
150°-160°	14.6	0.3
160°-170°	4.8	0.1
170°-180°	0.6	0.0
0°-30°	995.6	22.0
0°-40°	1636.3	36.2
0°-60°	2946.8	65.1
0°-90°	4019.8	88.8
90°-120°	332.8	7.4
90°-150°	486.1	10.7
90°-180°	506.0	11.2
0°-180°	4526.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1271	1271	1271	1271	1271	
5°	1277	1274	1261	1271	1269	121
15°	1222	1227	1224	1240	1240	344
25°	1117	1130	1143	1166	1166	515
35°	972	996	1025	1054	1062	607
45°	800	836	883	923	933	616
55°	608	658	718	763	778	544
65°	412	467	537	587	603	408
75°	215	273	351	406	425	226
85°	47	113	191	244	262	55
90°	0	63	134	184	202	3
95°	0	60	128	176	194	0
105°	0	50	121	165	181	2
115°	3	45	102	147	165	3
125°	3	37	86	126	142	2
135°	3	29	71	102	115	2
145°	3	21	50	79	86	2
155°	3	13	32	50	58	1
165°	3	8	16	24	29	1
175°	3	3	5	5	3	0
180°	3	3	3	3	3	



TEST NUMBER: P566494

CATALOG NUMBER: 4SNX-48SL-LW-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1271.4	1271.4	1271.4	1271.4	1271.4
2.5°	1279.2	1276.6	1263.5	1274.0	1268.7
5°	1276.6	1274.0	1260.9	1271.4	1268.7
7.5°	1266.1	1266.1	1258.3	1268.7	1266.1
10°	1255.6	1255.6	1247.8	1260.9	1258.3
12.5°	1239.9	1242.5	1237.3	1253.0	1250.4
15°	1221.6	1226.8	1224.2	1239.9	1239.9
17.5°	1200.6	1205.8	1205.8	1224.2	1224.2
20°	1174.4	1182.2	1187.5	1208.5	1208.5
22.5°	1148.2	1158.6	1166.5	1184.9	1192.7
25°	1116.7	1129.8	1142.9	1166.5	1166.5
27.5°	1085.2	1101.0	1116.7	1140.3	1142.9
30°	1048.5	1066.9	1087.9	1111.5	1116.7
32.5°	1011.8	1035.4	1056.4	1085.2	1093.1
35°	972.5	996.1	1025.0	1053.8	1061.7
37.5°	928.0	956.8	993.5	1025.0	1032.8
40°	888.6	920.1	956.8	993.5	1001.4
42.5°	844.1	878.2	922.7	956.8	969.9
45°	799.5	836.2	883.4	922.7	933.2
47.5°	752.3	794.3	846.7	883.4	896.5
50°	705.1	749.7	804.8	846.7	857.2
52.5°	658.0	705.1	762.8	804.8	817.9
55°	608.2	658.0	718.3	762.8	778.5
57.5°	561.0	610.8	673.7	720.9	736.6
60°	508.5	566.2	629.1	676.3	694.7
62.5°	464.0	516.4	584.6	631.7	647.5
65°	411.6	466.6	537.4	587.2	602.9
67.5°	361.7	419.4	490.2	542.6	558.4
70°	311.9	369.6	445.6	495.4	513.8
72.5°	262.1	322.4	395.8	450.9	469.2
75°	215.0	272.6	351.3	406.3	424.7
77.5°	165.1	228.1	306.7	361.7	382.7
80°	120.6	186.1	264.8	319.8	340.8
82.5°	81.3	146.8	225.4	280.5	301.5
85°	47.2	112.7	191.4	243.8	262.1
87.5°	23.6	86.5	159.9	212.3	230.7
90°	0.0	62.9	133.7	183.5	201.8
92.5°	0.0	60.3	131.1	178.3	196.6
95°	0.0	60.3	128.4	175.6	194.0
97.5°	0.0	57.7	125.8	175.6	191.4
100°	0.0	55.0	125.8	173.0	188.7
102.5°	0.0	52.4	123.2	170.4	186.1
105°	0.0	49.8	120.6	165.1	180.9
107.5°	2.6	49.8	115.3	162.5	178.3
110°	2.6	47.2	110.1	159.9	175.6



TEST NUMBER: P566494

CATALOG NUMBER: 4SNX-48SL-LW-UNV-L830-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.6	44.6	104.9	154.7	170.4
115°	2.6	44.6	102.2	146.8	165.1
117.5°	2.6	41.9	97.0	141.6	159.9
120°	2.6	41.9	94.4	136.3	152.0
122.5°	2.6	39.3	89.1	131.1	146.8
125°	2.6	36.7	86.5	125.8	141.6
127.5°	2.6	34.1	83.9	120.6	136.3
130°	2.6	31.5	78.6	115.3	128.4
132.5°	2.6	31.5	76.0	107.5	123.2
135°	2.6	28.8	70.8	102.2	115.3
137.5°	2.6	26.2	65.5	97.0	110.1
140°	2.6	23.6	60.3	91.7	102.2
142.5°	2.6	23.6	55.0	83.9	94.4
145°	2.6	21.0	49.8	78.6	86.5
147.5°	2.6	18.3	44.6	70.8	78.6
150°	2.6	18.3	39.3	62.9	70.8
152.5°	2.6	15.7	34.1	57.7	65.5
155°	2.6	13.1	31.5	49.8	57.7
157.5°	2.6	13.1	26.2	41.9	49.8
160°	2.6	10.5	23.6	34.1	41.9
162.5°	2.6	10.5	21.0	28.8	36.7
165°	2.6	7.9	15.7	23.6	28.8
167.5°	2.6	7.9	13.1	18.3	23.6
170°	2.6	5.2	10.5	13.1	18.3
172.5°	2.6	5.2	7.9	7.9	7.9
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)