

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: P566272

Luminaire Tested: **4SNX-31SL-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566272
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-31SL-UNV-L840-CD
Description: 4FT 3100 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

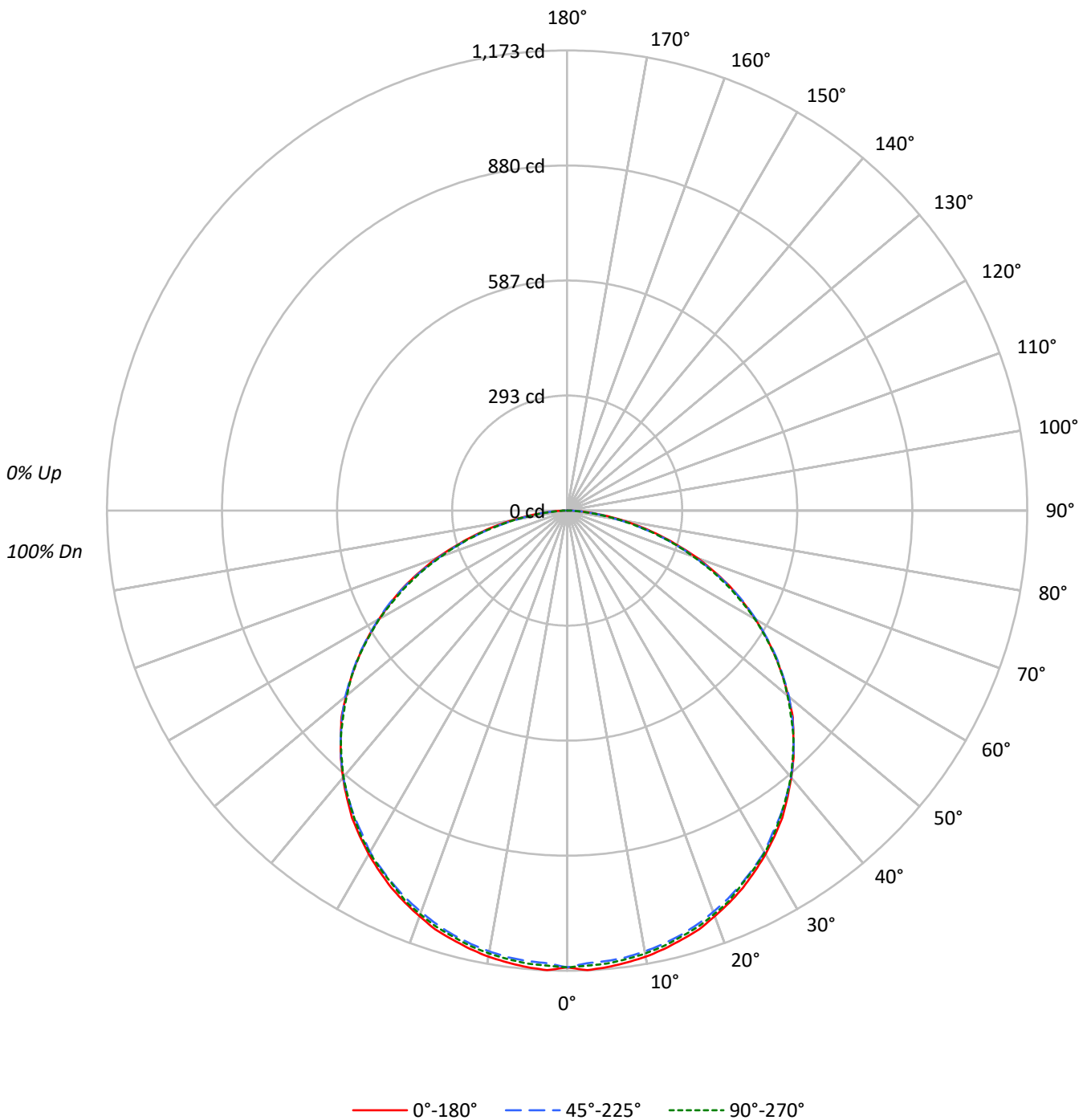
Lumens per Lamp: N/A
Luminaire Lumens: 3481.0 lumens
Efficiency: N/A
Efficacy: 178.5 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 19.5
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12531	12531	12531
5°	12625	12455	12523
10°	12622	12473	12530
15°	12612	12483	12530
20°	12605	12472	12544
25°	12596	12472	12497
30°	12571	12492	12519
35°	12561	12464	12478
40°	12490	12475	12461
45°	12415	12431	12415
50°	12325	12360	12273
55°	12162	12202	12142
60°	11922	11967	11901
65°	11680	11599	11438
70°	11103	10873	10741
75°	10143	9798	9840
80°	8759	8114	8306
85°	6595	6336	5693



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.4	3.2
10°-20°	318.2	9.1
20°-30°	486.9	14.0
30°-40°	595.4	17.1
40°-50°	629.8	18.1
50°-60°	580.3	16.7
60°-70°	447.1	12.8
70°-80°	250.5	7.2
80°-90°	62.3	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	915.6	26.3
0°-40°	1511.0	43.4
0°-60°	2721.0	78.2
0°-90°	3481.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3481.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1164	1164	1164	1164	1164	
5°	1168	1164	1153	1164	1159	111
15°	1132	1130	1120	1130	1124	320
25°	1061	1058	1050	1058	1052	489
35°	956	954	948	952	950	597
45°	816	819	817	816	816	630
55°	648	653	650	650	647	579
65°	459	459	455	444	449	451
75°	244	241	236	227	237	259
85°	53	50	51	51	46	66
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1164.2	1164.2	1164.2	1164.2	1164.2
2.5°	1172.6	1167.4	1154.8	1166.3	1161.1
5°	1168.4	1164.2	1152.7	1164.2	1159.0
7.5°	1162.1	1159.0	1148.5	1159.0	1153.7
10°	1154.8	1151.7	1141.2	1151.7	1146.4
12.5°	1144.3	1142.2	1131.8	1142.2	1137.0
15°	1131.8	1129.7	1120.2	1129.7	1124.4
17.5°	1119.2	1115.0	1105.6	1116.1	1111.9
20°	1100.4	1098.3	1088.8	1098.3	1095.1
22.5°	1081.5	1079.4	1071.0	1079.4	1077.3
25°	1060.6	1058.5	1050.1	1058.5	1052.2
27.5°	1036.5	1037.5	1028.1	1033.3	1030.2
30°	1011.4	1011.4	1005.1	1007.2	1007.2
32.5°	984.1	984.1	974.7	981.0	980.0
35°	955.9	953.8	948.5	951.7	949.6
37.5°	922.4	921.3	918.2	920.3	918.2
40°	888.9	889.9	887.8	886.8	886.8
42.5°	854.3	856.4	853.3	852.2	851.2
45°	815.6	818.7	816.6	815.6	815.6
47.5°	780.0	781.0	777.9	776.8	773.7
50°	736.0	740.2	738.1	736.0	732.9
52.5°	692.0	698.3	694.1	692.0	692.0
55°	648.1	653.3	650.2	650.2	647.0
57.5°	602.0	607.2	603.0	603.0	598.9
60°	553.8	559.1	555.9	552.8	552.8
62.5°	505.7	509.9	508.8	503.6	500.4
65°	458.6	458.6	455.4	443.9	449.1
67.5°	405.2	404.1	399.9	388.4	395.8
70°	352.8	352.8	345.5	331.9	341.3
72.5°	296.3	299.4	290.0	280.6	290.0
75°	243.9	240.8	235.6	227.2	236.6
77.5°	193.7	188.5	182.2	178.0	183.2
80°	141.3	138.2	130.9	130.9	134.0
82.5°	96.3	93.2	87.9	89.0	84.8
85°	53.4	50.3	51.3	51.3	46.1
87.5°	22.0	22.0	22.0	19.9	17.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)