

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: P566271

Luminaire Tested: **4SNX-31SL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566271
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-L835-CD
Description: 4FT 3100 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

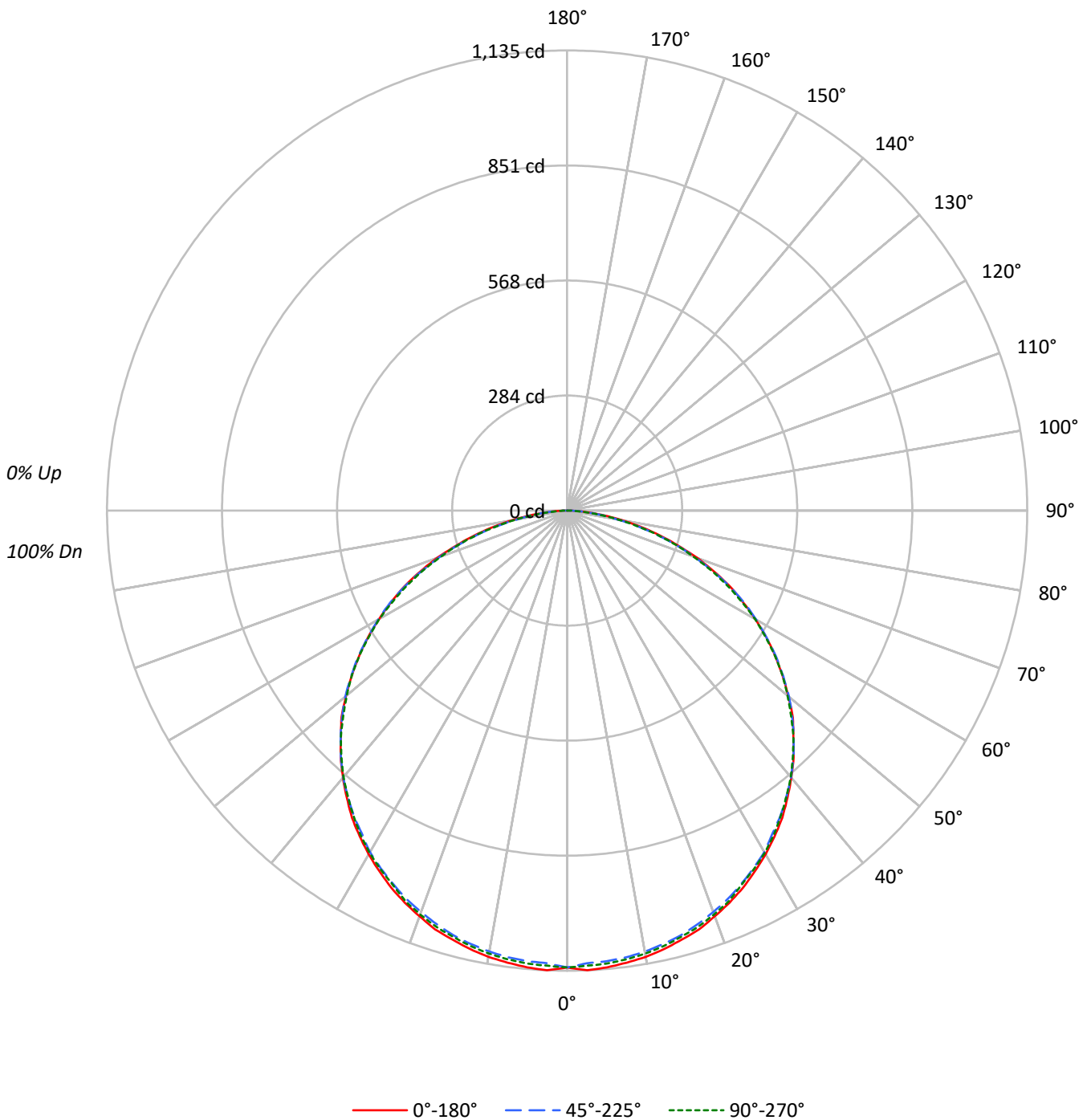
Lumens per Lamp: N/A
Luminaire Lumens: 3369.0 lumens
Efficiency: N/A
Efficacy: 172.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 19.5
Input Voltage (V): NR
Input Current (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	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°	12129	12129	12129
5°	12218	12054	12120
10°	12215	12072	12127
15°	12206	12082	12128
20°	12198	12071	12141
25°	12190	12070	12094
30°	12166	12090	12116
35°	12156	12063	12076
40°	12088	12074	12059
45°	12015	12032	12015
50°	11928	11963	11878
55°	11770	11808	11751
60°	11539	11582	11517
65°	11303	11227	11072
70°	10748	10524	10395
75°	9819	9482	9524
80°	8480	7854	8040
85°	6385	6138	5508



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.9	3.2
10°-20°	308.0	9.1
20°-30°	471.3	14.0
30°-40°	576.2	17.1
40°-50°	609.5	18.1
50°-60°	561.6	16.7
60°-70°	432.8	12.8
70°-80°	242.5	7.2
80°-90°	60.3	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°	886.2	26.3
0°-40°	1462.4	43.4
0°-60°	2633.5	78.2
0°-90°	3369.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3369.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1127	1127	1127	1127	1127	
5°	1131	1127	1116	1127	1122	107
15°	1095	1093	1084	1093	1088	309
25°	1026	1024	1016	1024	1018	473
35°	925	923	918	921	919	578
45°	789	792	790	789	789	610
55°	627	632	629	629	626	560
65°	444	444	441	430	435	437
75°	236	233	228	220	229	250
85°	52	49	50	50	45	64
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1126.8	1126.8	1126.8	1126.8	1126.8
2.5°	1134.9	1129.8	1117.6	1128.8	1123.7
5°	1130.8	1126.8	1115.6	1126.8	1121.7
7.5°	1124.7	1121.7	1111.6	1121.7	1116.6
10°	1117.6	1114.6	1104.5	1114.6	1109.5
12.5°	1107.5	1105.5	1095.3	1105.5	1100.4
15°	1095.3	1093.3	1084.2	1093.3	1088.3
17.5°	1083.2	1079.1	1070.0	1080.1	1076.1
20°	1064.9	1062.9	1053.8	1062.9	1059.9
22.5°	1046.7	1044.7	1036.6	1044.7	1042.7
25°	1026.4	1024.4	1016.3	1024.4	1018.3
27.5°	1003.1	1004.2	995.0	1000.1	997.1
30°	978.8	978.8	972.7	974.8	974.8
32.5°	952.5	952.5	943.4	949.4	948.4
35°	925.1	923.1	918.0	921.1	919.0
37.5°	892.7	891.7	888.6	890.7	888.6
40°	860.3	861.3	859.3	858.2	858.2
42.5°	826.8	828.9	825.8	824.8	823.8
45°	789.3	792.4	790.4	789.3	789.3
47.5°	754.9	755.9	752.9	751.8	748.8
50°	712.3	716.4	714.4	712.3	709.3
52.5°	669.8	675.9	671.8	669.8	669.8
55°	627.2	632.3	629.2	629.2	626.2
57.5°	582.6	587.7	583.6	583.6	579.6
60°	536.0	541.1	538.0	535.0	535.0
62.5°	489.4	493.5	492.5	487.4	484.3
65°	443.8	443.8	440.8	429.6	434.7
67.5°	392.1	391.1	387.1	375.9	383.0
70°	341.5	341.5	334.4	321.2	330.3
72.5°	286.8	289.8	280.7	271.6	280.7
75°	236.1	233.1	228.0	219.9	229.0
77.5°	187.5	182.4	176.3	172.3	177.3
80°	136.8	133.8	126.7	126.7	129.7
82.5°	93.2	90.2	85.1	86.1	82.1
85°	51.7	48.6	49.7	49.7	44.6
87.5°	21.3	21.3	21.3	19.3	17.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)