

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: P566127

Luminaire Tested: **4SNX-20SL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566127
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-20SL-UNV-L835-CD
Description: 4FT 2000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

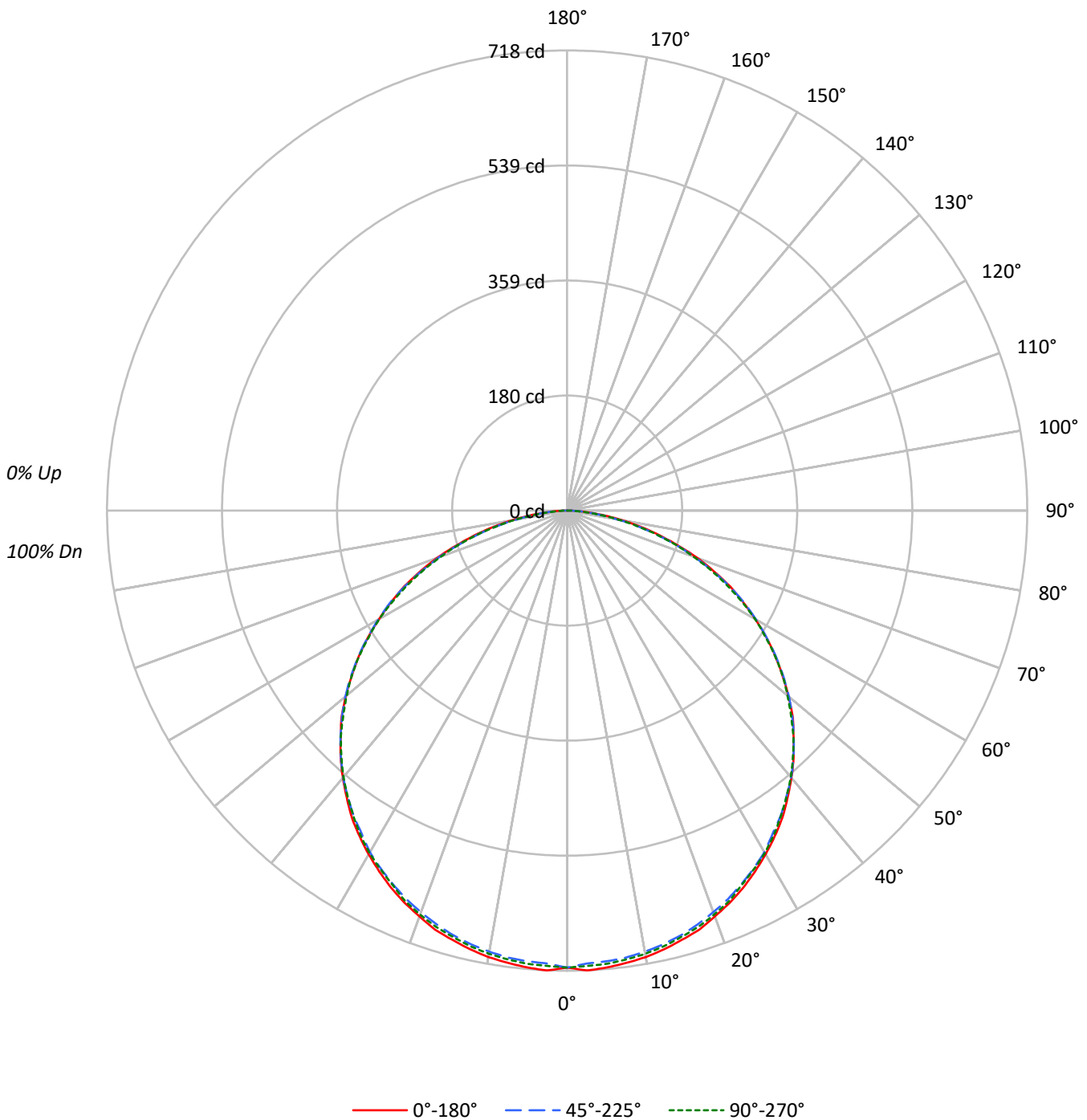
Lumens per Lamp: N/A
Luminaire Lumens: 2132.0 lumens
Efficiency: N/A
Efficacy: 176.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 12.1
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

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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°	7675	7675	7675
5°	7732	7628	7669
10°	7731	7639	7674
15°	7725	7646	7675
20°	7719	7639	7683
25°	7715	7639	7653
30°	7699	7651	7668
35°	7692	7635	7642
40°	7650	7641	7631
45°	7604	7614	7604
50°	7549	7571	7517
55°	7448	7473	7437
60°	7302	7330	7289
65°	7154	7103	7007
70°	6801	6659	6578
75°	6213	6001	6026
80°	5368	4971	5089
85°	4039	3878	3483



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.6	3.2
10°-20°	194.9	9.1
20°-30°	298.2	14.0
30°-40°	364.7	17.1
40°-50°	385.7	18.1
50°-60°	355.4	16.7
60°-70°	273.9	12.8
70°-80°	153.4	7.2
80°-90°	38.1	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°	560.8	26.3
0°-40°	925.4	43.4
0°-60°	1666.6	78.2
0°-90°	2132.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2132.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	713	713	713	713	713	
5°	716	713	706	713	710	68
15°	693	692	686	692	689	196
25°	650	648	643	648	644	299
35°	585	584	581	583	582	366
45°	500	501	500	500	500	386
55°	397	400	398	398	396	354
65°	281	281	279	272	275	276
75°	149	148	144	139	145	158
85°	33	31	31	31	28	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	713.0	713.0	713.0	713.0	713.0
2.5°	718.2	715.0	707.3	714.3	711.1
5°	715.6	713.0	706.0	713.0	709.8
7.5°	711.8	709.8	703.4	709.8	706.6
10°	707.3	705.4	698.9	705.4	702.1
12.5°	700.9	699.6	693.2	699.6	696.4
15°	693.2	691.9	686.1	691.9	688.7
17.5°	685.5	682.9	677.1	683.5	681.0
20°	673.9	672.6	666.9	672.6	670.7
22.5°	662.4	661.1	656.0	661.1	659.8
25°	649.6	648.3	643.2	648.3	644.4
27.5°	634.8	635.5	629.7	632.9	631.0
30°	619.4	619.4	615.6	616.9	616.9
32.5°	602.8	602.8	597.0	600.8	600.2
35°	585.4	584.2	581.0	582.9	581.6
37.5°	564.9	564.3	562.4	563.6	562.4
40°	544.4	545.0	543.8	543.1	543.1
42.5°	523.2	524.5	522.6	522.0	521.3
45°	499.5	501.4	500.2	499.5	499.5
47.5°	477.7	478.4	476.4	475.8	473.9
50°	450.8	453.3	452.1	450.8	448.9
52.5°	423.9	427.7	425.1	423.9	423.9
55°	396.9	400.1	398.2	398.2	396.3
57.5°	368.7	371.9	369.3	369.3	366.8
60°	339.2	342.4	340.5	338.6	338.6
62.5°	309.7	312.3	311.6	308.4	306.5
65°	280.9	280.9	278.9	271.9	275.1
67.5°	248.2	247.5	244.9	237.9	242.4
70°	216.1	216.1	211.6	203.3	209.0
72.5°	181.5	183.4	177.6	171.8	177.6
75°	149.4	147.5	144.3	139.1	144.9
77.5°	118.6	115.4	111.6	109.0	112.2
80°	86.6	84.6	80.2	80.2	82.1
82.5°	59.0	57.1	53.9	54.5	51.9
85°	32.7	30.8	31.4	31.4	28.2
87.5°	13.5	13.5	13.5	12.2	10.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)