

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: P565634

Luminaire Tested: **2SNX-25SL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565634
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: 2SNX-25SL-UNV-L830-CD
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

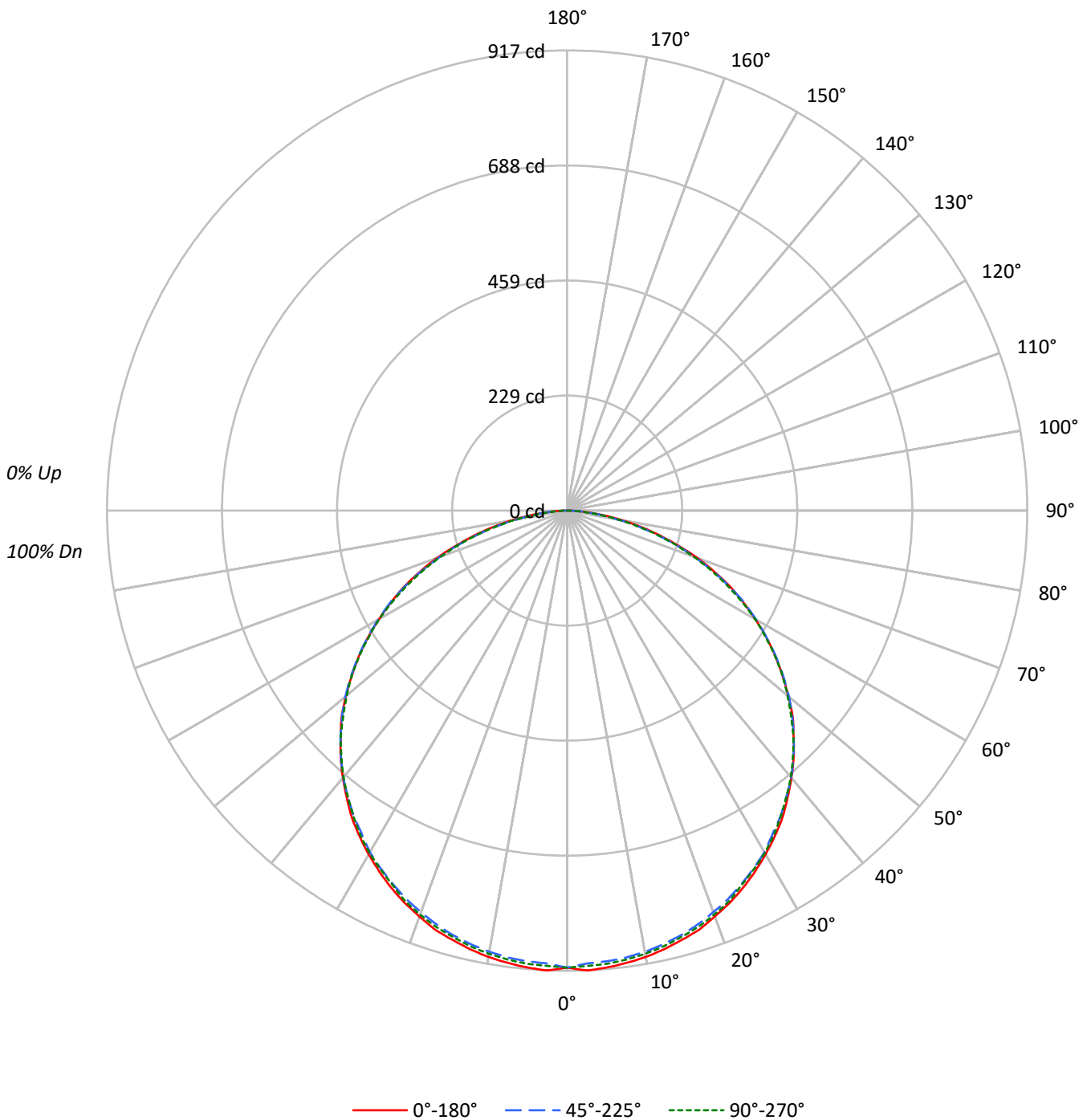
Lumens per Lamp: N/A
Luminaire Lumens: 2723.0 lumens
Efficiency: N/A
Efficacy: 155.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 17.5
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°	19605	19605	19605
5°	19752	19486	19592
10°	19746	19514	19604
15°	19731	19530	19604
20°	19718	19512	19627
25°	19706	19511	19551
30°	19665	19544	19586
35°	19650	19500	19521
40°	19540	19517	19495
45°	19424	19448	19424
50°	19281	19338	19201
55°	19025	19089	18995
60°	18652	18725	18617
65°	18272	18150	17895
70°	17372	17014	16806
75°	15870	15330	15396
80°	13712	12695	12992
85°	10325	9905	8892



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.4	3.2
10°-20°	248.9	9.1
20°-30°	380.9	14.0
30°-40°	465.7	17.1
40°-50°	492.6	18.1
50°-60°	453.9	16.7
60°-70°	349.8	12.8
70°-80°	196.0	7.2
80°-90°	48.7	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°	716.2	26.3
0°-40°	1182.0	43.4
0°-60°	2128.5	78.2
0°-90°	2723.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2723.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	911	911	911	911	911	
5°	914	911	902	911	907	87
15°	885	884	876	884	880	250
25°	830	828	821	828	823	382
35°	748	746	742	744	743	467
45°	638	640	639	638	638	493
55°	507	511	509	509	506	453
65°	359	359	356	347	351	353
75°	191	188	184	178	185	202
85°	42	39	40	40	36	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	910.7	910.7	910.7	910.7	910.7
2.5°	917.3	913.2	903.3	912.3	908.2
5°	914.0	910.7	901.7	910.7	906.6
7.5°	909.1	906.6	898.4	906.6	902.5
10°	903.3	900.9	892.7	900.9	896.8
12.5°	895.1	893.5	885.3	893.5	889.4
15°	885.3	883.7	876.3	883.7	879.6
17.5°	875.5	872.2	864.8	873.0	869.8
20°	860.7	859.1	851.7	859.1	856.7
22.5°	846.0	844.4	837.8	844.4	842.7
25°	829.6	828.0	821.4	828.0	823.1
27.5°	810.8	811.6	804.2	808.3	805.9
30°	791.1	791.1	786.2	787.9	787.9
32.5°	769.8	769.8	762.5	767.4	766.6
35°	747.7	746.1	742.0	744.5	742.8
37.5°	721.5	720.7	718.2	719.9	718.2
40°	695.3	696.1	694.5	693.7	693.7
42.5°	668.3	669.9	667.5	666.6	665.8
45°	638.0	640.4	638.8	638.0	638.0
47.5°	610.1	611.0	608.5	607.7	605.2
50°	575.7	579.0	577.4	575.7	573.3
52.5°	541.3	546.3	543.0	541.3	541.3
55°	506.9	511.0	508.6	508.6	506.1
57.5°	470.9	475.0	471.7	471.7	468.5
60°	433.2	437.3	434.9	432.4	432.4
62.5°	395.6	398.8	398.0	393.9	391.5
65°	358.7	358.7	356.3	347.2	351.3
67.5°	316.9	316.1	312.9	303.8	309.6
70°	276.0	276.0	270.3	259.6	267.0
72.5°	231.8	234.2	226.9	219.5	226.9
75°	190.8	188.4	184.3	177.7	185.1
77.5°	151.5	147.4	142.5	139.2	143.3
80°	110.6	108.1	102.4	102.4	104.8
82.5°	75.3	72.9	68.8	69.6	66.3
85°	41.8	39.3	40.1	40.1	36.0
87.5°	17.2	17.2	17.2	15.6	13.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)