

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: P565637

Luminaire Tested: **2SNX-25SL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565637
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-L850-CD
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

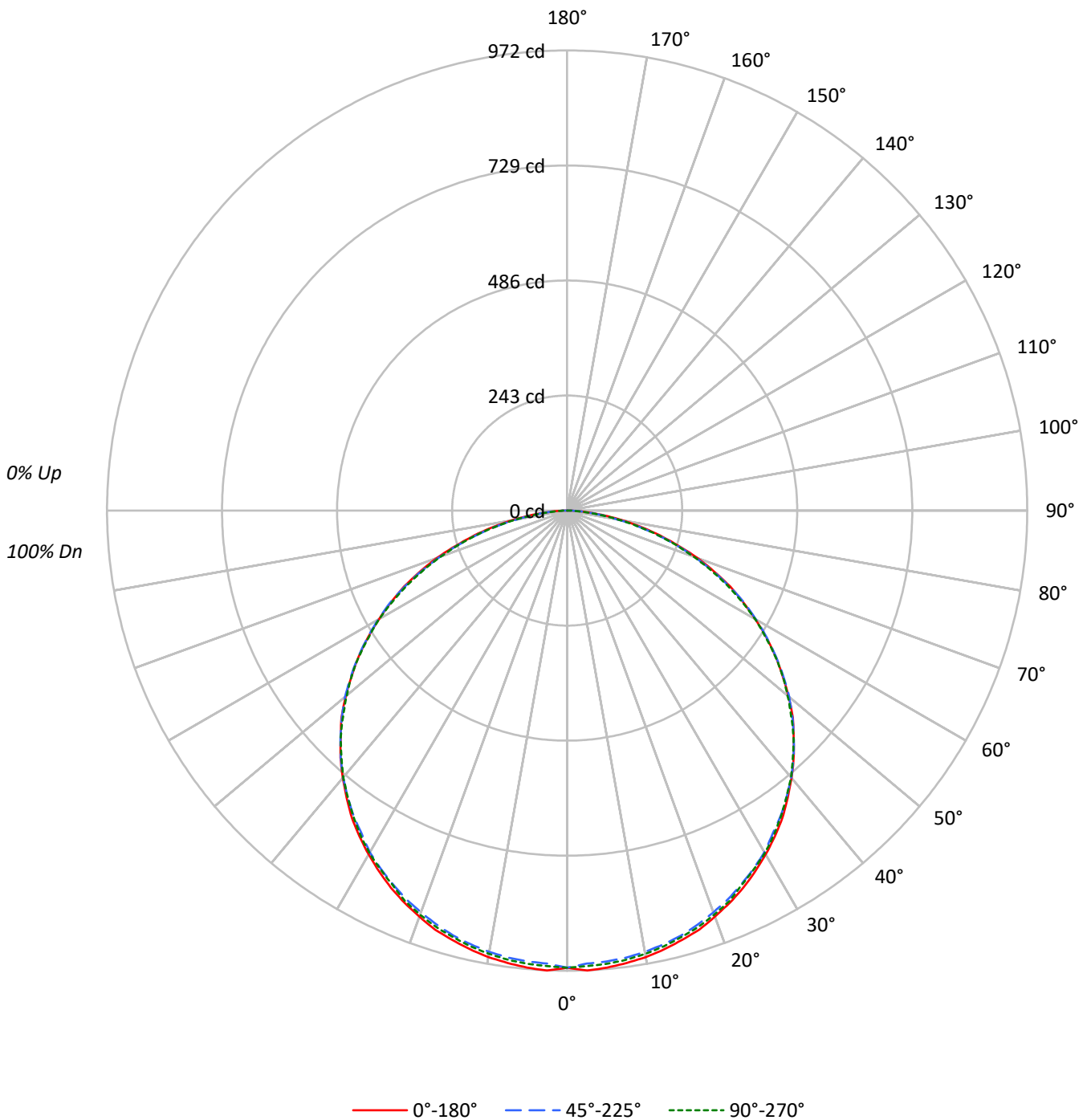
Lumens per Lamp: N/A
Luminaire Lumens: 2887.0 lumens
Efficiency: N/A
Efficacy: 165.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 2' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P565637

CATALOG NUMBER: 2SNX-25SL-UNV-L850-CD

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	38	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°	20787	20787	20787
5°	20940	20659	20772
10°	20935	20690	20784
15°	20919	20707	20785
20°	20907	20687	20806
25°	20893	20687	20727
30°	20851	20722	20764
35°	20835	20675	20699
40°	20717	20692	20669
45°	20593	20620	20593
50°	20443	20503	20356
55°	20174	20238	20140
60°	19775	19853	19741
65°	19372	19240	18975
70°	18417	18033	17819
75°	16827	16253	16319
80°	14530	13451	13773
85°	10942	10498	9436



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.6	3.2
10°-20°	263.9	9.1
20°-30°	403.8	14.0
30°-40°	493.8	17.1
40°-50°	522.3	18.1
50°-60°	481.3	16.7
60°-70°	370.9	12.8
70°-80°	207.8	7.2
80°-90°	51.6	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°	759.4	26.3
0°-40°	1253.2	43.4
0°-60°	2256.7	78.2
0°-90°	2887.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2887.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	966	966	966	966	966	
5°	969	966	956	966	961	92
15°	939	937	929	937	933	265
25°	880	878	871	878	873	405
35°	793	791	787	789	788	495
45°	676	679	677	676	676	523
55°	538	542	539	539	537	480
65°	380	380	378	368	372	374
75°	202	200	195	188	196	214
85°	44	42	42	42	38	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	965.6	965.6	965.6	965.6	965.6
2.5°	972.5	968.2	957.7	967.3	963.0
5°	969.0	965.6	956.0	965.6	961.2
7.5°	963.8	961.2	952.5	961.2	956.9
10°	957.7	955.1	946.5	955.1	950.8
12.5°	949.1	947.3	938.6	947.3	943.0
15°	938.6	936.9	929.1	936.9	932.6
17.5°	928.2	924.7	916.9	925.6	922.1
20°	912.6	910.9	903.0	910.9	908.2
22.5°	897.0	895.2	888.3	895.2	893.5
25°	879.6	877.9	870.9	877.9	872.6
27.5°	859.6	860.5	852.7	857.0	854.4
30°	838.8	838.8	833.6	835.3	835.3
32.5°	816.2	816.2	808.4	813.6	812.7
35°	792.8	791.0	786.7	789.3	787.6
37.5°	765.0	764.1	761.5	763.2	761.5
40°	737.2	738.1	736.3	735.5	735.5
42.5°	708.5	710.3	707.7	706.8	705.9
45°	676.4	679.0	677.3	676.4	676.4
47.5°	646.9	647.8	645.2	644.3	641.7
50°	610.4	613.9	612.2	610.4	607.8
52.5°	573.9	579.2	575.7	573.9	573.9
55°	537.5	541.8	539.2	539.2	536.6
57.5°	499.3	503.6	500.1	500.1	496.7
60°	459.3	463.7	461.1	458.5	458.5
62.5°	419.4	422.9	422.0	417.7	415.0
65°	380.3	380.3	377.7	368.2	372.5
67.5°	336.0	335.2	331.7	322.1	328.2
70°	292.6	292.6	286.5	275.3	283.1
72.5°	245.7	248.3	240.5	232.7	240.5
75°	202.3	199.7	195.4	188.4	196.2
77.5°	160.6	156.3	151.1	147.6	152.0
80°	117.2	114.6	108.5	108.5	111.1
82.5°	79.9	77.3	72.9	73.8	70.3
85°	44.3	41.7	42.5	42.5	38.2
87.5°	18.2	18.2	18.2	16.5	14.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)