

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: P565594

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565594
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-25SL-FDL-UNV-L830-CD
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

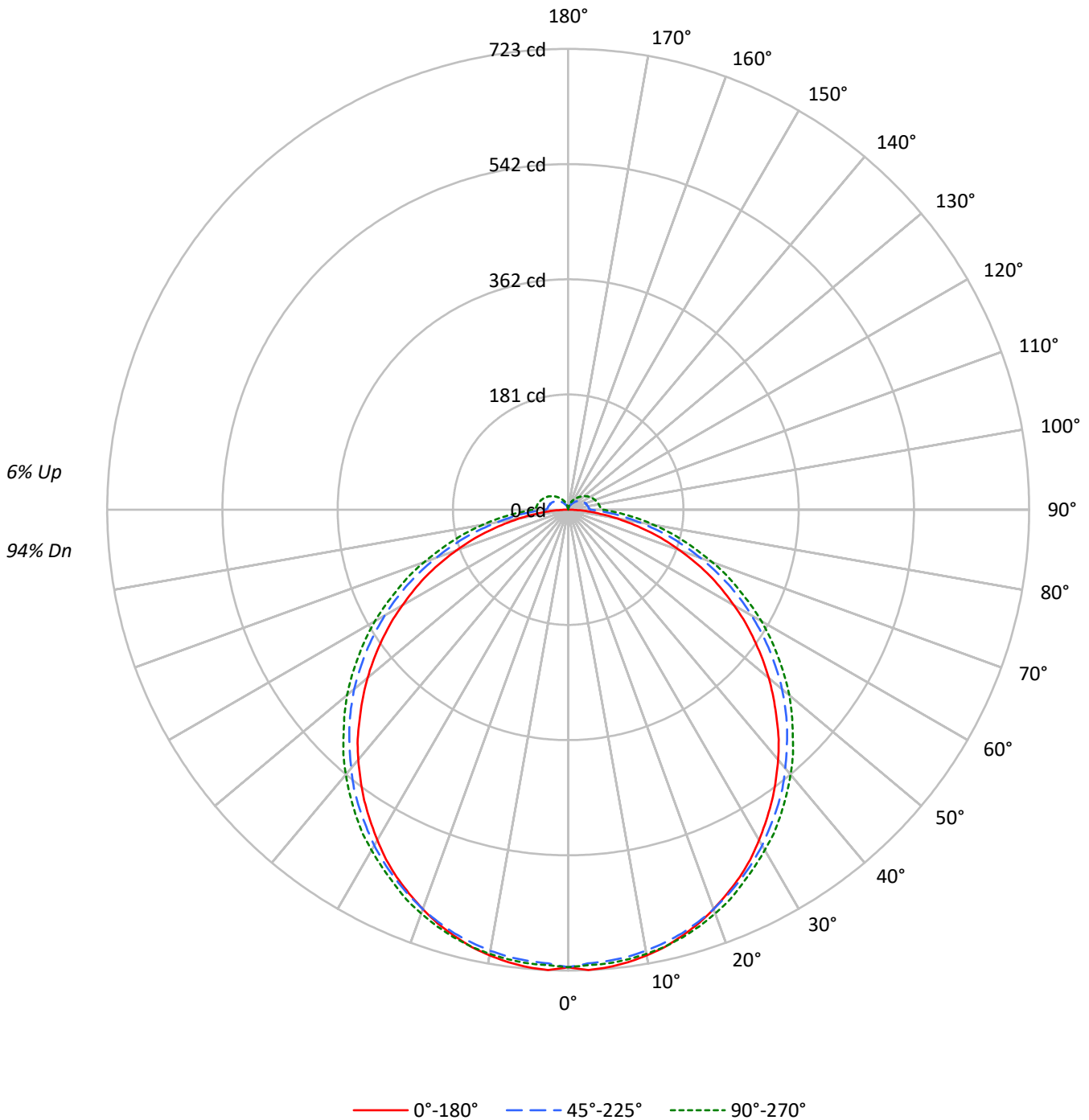
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2281.0 lumens
Efficiency: N/A
Efficacy: 130.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.04')
CIE Type: Direct

Input Watts (W): 17.5
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

TEST NUMBER: P565594
CATALOG NUMBER: 2SNX-25SL-FDL-UNV-L830-CD

Luminous Intensity Polar Plot





TEST NUMBER: P565594

CATALOG NUMBER: 2SNX-25SL-FDL-UNV-L830-CD

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	118	118	118	118	114	114	114	114	108	108	108		102	102	102		97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87		88	86	83		84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71		77	73	69		73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59		68	62	57		64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50		60	54	49		57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43		54	47	42		51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38		49	42	37		47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33		44	38	33		43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30		41	34	29		39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27		37	31	26		36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24		35	28	24		33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15453	15453	15453
5°	15544	15186	15221
10°	15466	15012	15029
15°	15335	14814	14815
20°	15163	14575	14562
25°	14966	14313	14262
30°	14703	14046	13987
35°	14438	13736	13699
40°	14147	13393	13375
45°	13781	13051	12996
50°	13425	12665	12652
55°	12986	12187	12172
60°	12488	11639	11700
65°	11956	10990	11052
70°	11062	10173	10375
75°	9979	9215	9569
80°	8371	7947	8674
85°	6284	6825	7627



TEST NUMBER: P565594

CATALOG NUMBER: 2SNX-25SL-FDL-UNV-L830-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.1	3.0
10°-20°	195.3	8.6
20°-30°	296.0	13.0
30°-40°	357.4	15.7
40°-50°	373.2	16.4
50°-60°	342.8	15.0
60°-70°	271.1	11.9
70°-80°	171.6	7.5
80°-90°	73.8	3.2
90°-100°	32.4	1.4
100°-110°	29.0	1.3
110°-120°	24.5	1.1
120°-130°	19.1	0.8
130°-140°	13.3	0.6
140°-150°	7.9	0.3
150°-160°	3.9	0.2
160°-170°	1.3	0.1
170°-180°	0.2	0.0
0°-30°	559.4	24.5
0°-40°	916.8	40.2
0°-60°	1632.8	71.6
0°-90°	2149.2	94.2
90°-120°	86.0	3.8
90°-150°	126.3	5.5
90°-180°	132.0	5.8
0°-180°	2281.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	718	718	718	718	718	
5°	721	719	711	717	715	68
15°	692	692	688	696	694	195
25°	636	639	640	648	647	293
35°	557	564	571	580	582	348
45°	462	473	486	495	498	357
55°	356	371	386	399	402	319
65°	245	259	277	290	294	241
75°	129	145	166	180	187	137
85°	32	48	70	84	90	35
90°	2	17	36	50	55	3
95°	0	15	32	45	50	0
105°	0	14	30	42	47	0
115°	0	12	28	38	42	0
125°	1	10	23	33	37	1
135°	1	8	19	26	30	1
145°	1	6	13	20	22	1
155°	1	4	8	12	15	0
165°	1	3	4	6	8	0
175°	1	2	2	2	1	0
180°	1	1	1	1	1	



TEST NUMBER: P565594

CATALOG NUMBER: 2SNX-25SL-FDL-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	717.8	717.8	717.8	717.8	717.8
2.5°	723.0	720.6	712.5	718.2	715.4
5°	720.6	718.6	710.9	717.0	714.6
7.5°	716.2	714.6	707.7	714.2	711.7
10°	710.1	708.9	702.8	709.3	707.7
12.5°	702.4	702.0	696.0	703.2	702.0
15°	691.9	691.9	688.3	695.6	694.4
17.5°	680.6	681.0	678.2	685.9	685.1
20°	666.9	668.9	666.9	675.0	674.2
22.5°	651.9	654.8	654.0	662.0	662.4
25°	636.2	639.0	639.8	648.3	647.1
27.5°	618.8	623.3	624.9	632.6	632.2
30°	598.6	604.7	608.3	614.8	616.8
32.5°	578.0	585.3	589.7	598.6	601.1
35°	557.4	563.9	571.2	580.0	582.1
37.5°	534.8	542.1	551.8	560.3	562.7
40°	512.2	520.3	529.6	538.8	542.5
42.5°	488.8	497.2	507.3	518.2	521.9
45°	462.1	473.4	485.5	494.8	498.0
47.5°	436.7	449.2	462.1	472.2	475.8
50°	410.8	424.1	437.9	447.2	452.8
52.5°	383.7	398.3	412.0	423.7	427.4
55°	356.3	370.8	386.2	398.7	401.5
57.5°	329.6	343.7	359.1	370.8	376.5
60°	300.5	315.9	332.4	344.2	350.2
62.5°	272.3	287.2	305.0	317.5	322.3
65°	245.2	258.9	277.1	290.0	294.5
67.5°	215.3	231.0	248.4	263.4	269.0
70°	185.8	200.8	220.5	234.7	240.3
72.5°	158.3	172.9	192.7	206.8	212.1
75°	129.3	144.6	165.6	179.7	186.6
77.5°	101.4	118.4	138.5	153.9	161.6
80°	75.5	90.5	112.3	129.3	136.1
82.5°	51.3	67.5	90.1	105.8	113.5
85°	31.5	48.5	69.5	84.4	89.7
87.5°	14.9	31.1	50.5	65.0	71.5
90°	2.0	17.4	35.5	49.7	54.9
92.5°	0.4	14.9	32.7	46.0	50.9
95°	0.4	14.9	32.3	45.2	50.1
97.5°	0.4	14.5	31.9	44.8	49.3
100°	0.4	14.1	31.5	44.0	48.9
102.5°	0.4	14.1	30.7	43.2	47.7
105°	0.4	13.7	30.3	42.4	46.9
107.5°	0.4	13.3	29.5	41.6	46.0
110°	0.4	12.5	29.1	40.4	44.8



TEST NUMBER: P565594

CATALOG NUMBER: 2SNX-25SL-FDL-UNV-L830-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	12.1	28.3	39.6	43.6
115°	0.4	11.7	27.5	38.4	42.4
117.5°	0.4	11.3	26.3	37.2	41.2
120°	0.8	11.3	25.4	35.9	39.6
122.5°	0.8	10.9	24.2	34.3	38.0
125°	0.8	10.5	23.0	33.1	36.8
127.5°	0.8	10.1	21.8	31.5	34.7
130°	0.8	9.3	21.0	29.9	33.1
132.5°	0.8	8.9	19.8	27.9	31.1
135°	0.8	8.1	18.6	26.3	29.5
137.5°	0.8	7.7	17.4	24.6	27.5
140°	0.8	7.3	15.8	23.0	25.9
142.5°	0.8	6.5	14.5	21.4	23.8
145°	0.8	6.1	12.9	19.8	21.8
147.5°	0.8	5.3	11.7	18.2	20.2
150°	0.8	4.8	10.5	16.6	18.6
152.5°	0.8	4.4	9.3	14.5	16.6
155°	0.8	4.0	8.5	12.5	14.9
157.5°	0.8	3.6	7.3	10.9	13.3
160°	1.2	3.2	6.5	9.3	11.3
162.5°	1.2	2.8	5.3	7.7	10.1
165°	1.2	2.8	4.4	6.1	8.5
167.5°	1.2	2.4	3.6	4.8	6.9
170°	1.2	2.0	3.2	3.6	5.3
172.5°	1.2	1.6	2.4	2.4	2.8
175°	1.2	1.6	2.0	2.0	1.2
177.5°	1.2	1.2	1.2	1.2	0.8
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)