

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: P565643

Luminaire Tested: **2SNX-30SL-FDL-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565643  
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-30SL-FDL-UNV-L835-CD  
Description: 2FT 3000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

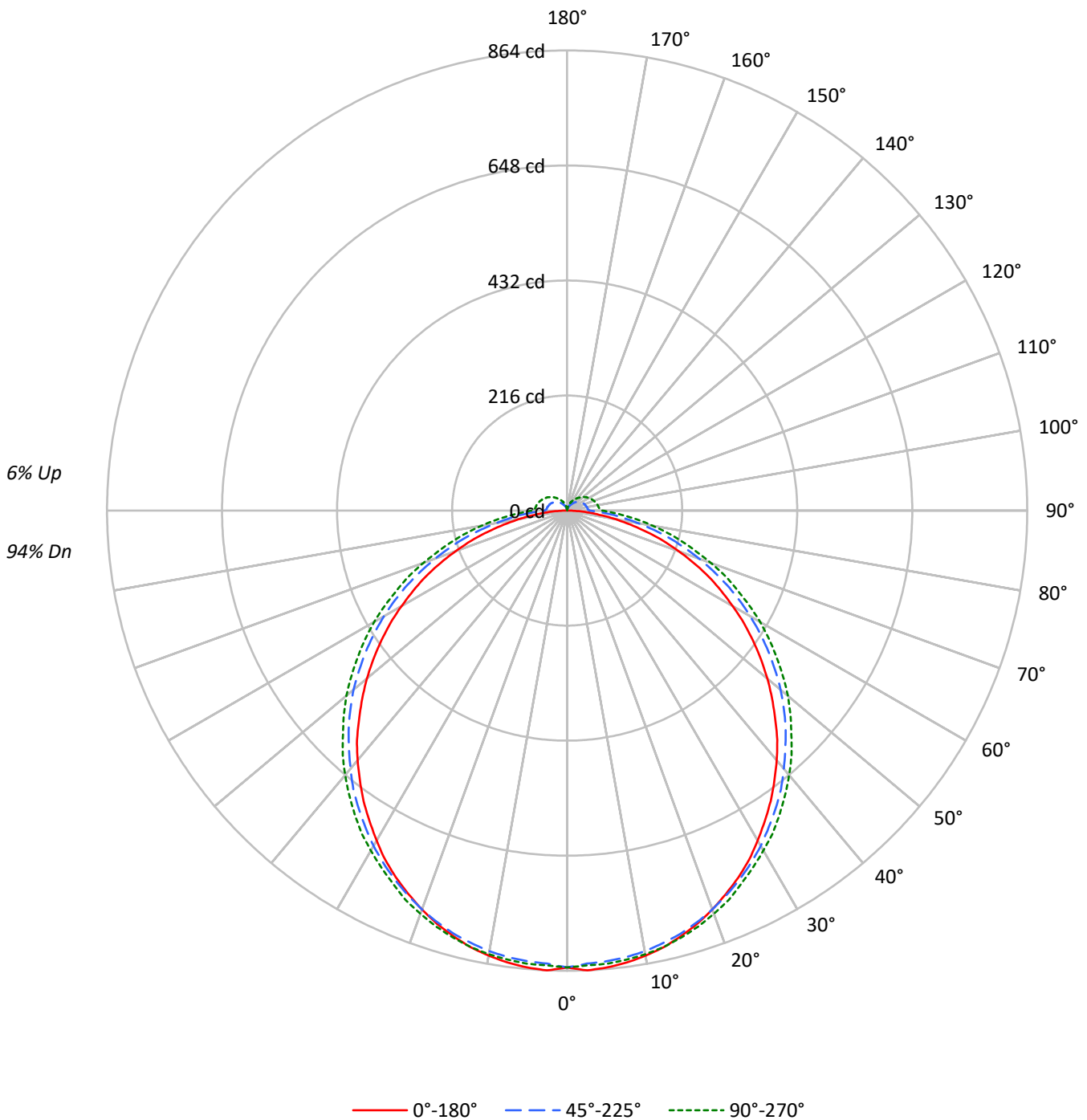
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2726.1 lumens  
Efficiency: N/A  
Efficacy: 129.8 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): 21  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	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°	18467	18467	18467
5°	18577	18149	18190
10°	18482	17943	17961
15°	18327	17705	17703
20°	18121	17418	17402
25°	17886	17107	17044
30°	17572	16787	16715
35°	17256	16415	16370
40°	16906	16006	15984
45°	16469	15596	15532
50°	16043	15135	15119
55°	15520	14564	14546
60°	14927	13911	13982
65°	14287	13136	13206
70°	13223	12162	12399
75°	11924	11012	11435
80°	10012	9497	10369
85°	7521	8150	9115



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.4	3.0
10°-20°	233.4	8.6
20°-30°	353.8	13.0
30°-40°	427.1	15.7
40°-50°	446.0	16.4
50°-60°	409.7	15.0
60°-70°	324.0	11.9
70°-80°	205.0	7.5
80°-90°	88.1	3.2
90°-100°	38.8	1.4
100°-110°	34.7	1.3
110°-120°	29.3	1.1
120°-130°	22.9	0.8
130°-140°	15.8	0.6
140°-150°	9.5	0.3
150°-160°	4.6	0.2
160°-170°	1.6	0.1
170°-180°	0.2	0.0
0°-30°	668.6	24.5
0°-40°	1095.7	40.2
0°-60°	1951.3	71.6
0°-90°	2568.5	94.2
90°-120°	102.9	3.8
90°-150°	151.1	5.5
90°-180°	158.0	5.8
0°-180°	2726.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	858	858	858	858	858	
5°	861	859	850	857	854	82
15°	827	827	823	831	830	233
25°	760	764	765	775	773	350
35°	666	674	683	693	696	416
45°	552	566	580	591	595	427
55°	426	443	462	476	480	381
65°	293	309	331	347	352	289
75°	154	173	198	215	223	164
85°	38	58	83	101	107	42
90°	2	21	42	59	66	3
95°	0	18	39	54	60	0
105°	0	16	36	51	56	1
115°	0	14	33	46	51	1
125°	1	13	28	40	44	1
135°	1	10	22	31	35	1
145°	1	7	15	24	26	1
155°	1	5	10	15	18	0
165°	1	3	5	7	10	0
175°	1	2	2	2	1	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	857.8	857.8	857.8	857.8	857.8
2.5°	864.1	861.2	851.5	858.3	854.9
5°	861.2	858.8	849.6	856.9	854.0
7.5°	855.9	854.0	845.8	853.5	850.6
10°	848.6	847.2	840.0	847.7	845.8
12.5°	839.5	839.0	831.8	840.4	839.0
15°	826.9	826.9	822.6	831.3	829.8
17.5°	813.4	813.9	810.5	819.7	818.7
20°	797.0	799.4	797.0	806.7	805.7
22.5°	779.1	782.5	781.5	791.2	791.7
25°	760.3	763.7	764.7	774.8	773.3
27.5°	739.6	744.9	746.8	756.0	755.5
30°	715.4	722.7	727.0	734.7	737.1
32.5°	690.8	699.5	704.8	715.4	718.3
35°	666.2	673.9	682.6	693.2	695.6
37.5°	639.1	647.8	659.4	669.6	672.5
40°	612.1	621.8	632.9	644.0	648.3
42.5°	584.1	594.2	606.3	619.3	623.7
45°	552.2	565.8	580.2	591.4	595.2
47.5°	521.8	536.8	552.2	564.3	568.7
50°	490.9	506.9	523.3	534.4	541.1
52.5°	458.6	476.0	492.4	506.4	510.7
55°	425.8	443.2	461.5	476.5	479.8
57.5°	393.9	410.8	429.2	443.2	449.9
60°	359.2	377.5	397.3	411.3	418.5
62.5°	325.4	343.2	364.5	379.4	385.2
65°	293.0	309.4	331.2	346.6	351.9
67.5°	257.3	276.1	296.9	314.7	321.5
70°	222.1	239.9	263.6	280.5	287.2
72.5°	189.2	206.6	230.3	247.2	253.4
75°	154.5	172.8	197.9	214.8	223.0
77.5°	121.2	141.4	165.6	183.9	193.1
80°	90.3	108.1	134.2	154.5	162.7
82.5°	61.3	80.6	107.7	126.5	135.6
85°	37.7	57.9	83.0	100.9	107.2
87.5°	17.9	37.2	60.3	77.7	85.4
90°	2.4	20.8	42.5	59.4	65.7
92.5°	0.5	17.9	39.1	55.0	60.8
95°	0.5	17.9	38.6	54.1	59.9
97.5°	0.5	17.4	38.1	53.6	58.9
100°	0.5	16.9	37.7	52.6	58.4
102.5°	0.5	16.9	36.7	51.7	57.0
105°	0.5	16.4	36.2	50.7	56.0
107.5°	0.5	15.9	35.2	49.7	55.0
110°	0.5	15.0	34.8	48.3	53.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	14.5	33.8	47.3	52.1
115°	0.5	14.0	32.8	45.9	50.7
117.5°	0.5	13.5	31.4	44.4	49.2
120°	1.0	13.5	30.4	43.0	47.3
122.5°	1.0	13.0	29.0	41.0	45.4
125°	1.0	12.6	27.5	39.6	43.9
127.5°	1.0	12.1	26.1	37.7	41.5
130°	1.0	11.1	25.1	35.7	39.6
132.5°	1.0	10.6	23.7	33.3	37.2
135°	1.0	9.7	22.2	31.4	35.2
137.5°	1.0	9.2	20.8	29.4	32.8
140°	1.0	8.7	18.8	27.5	30.9
142.5°	1.0	7.7	17.4	25.6	28.5
145°	1.0	7.2	15.4	23.7	26.1
147.5°	1.0	6.3	14.0	21.7	24.1
150°	1.0	5.8	12.6	19.8	22.2
152.5°	1.0	5.3	11.1	17.4	19.8
155°	1.0	4.8	10.1	15.0	17.9
157.5°	1.0	4.3	8.7	13.0	15.9
160°	1.4	3.9	7.7	11.1	13.5
162.5°	1.4	3.4	6.3	9.2	12.1
165°	1.4	3.4	5.3	7.2	10.1
167.5°	1.4	2.9	4.3	5.8	8.2
170°	1.4	2.4	3.9	4.3	6.3
172.5°	1.4	1.9	2.9	2.9	3.4
175°	1.4	1.9	2.4	2.4	1.4
177.5°	1.4	1.4	1.4	1.4	1.0
180°	1.4	1.4	1.4	1.4	1.4

(END OF REPORT)