

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: P565648

Luminaire Tested: **2SNX-30SL-FDL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565648
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-L940-CD
Description: 2FT 3000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

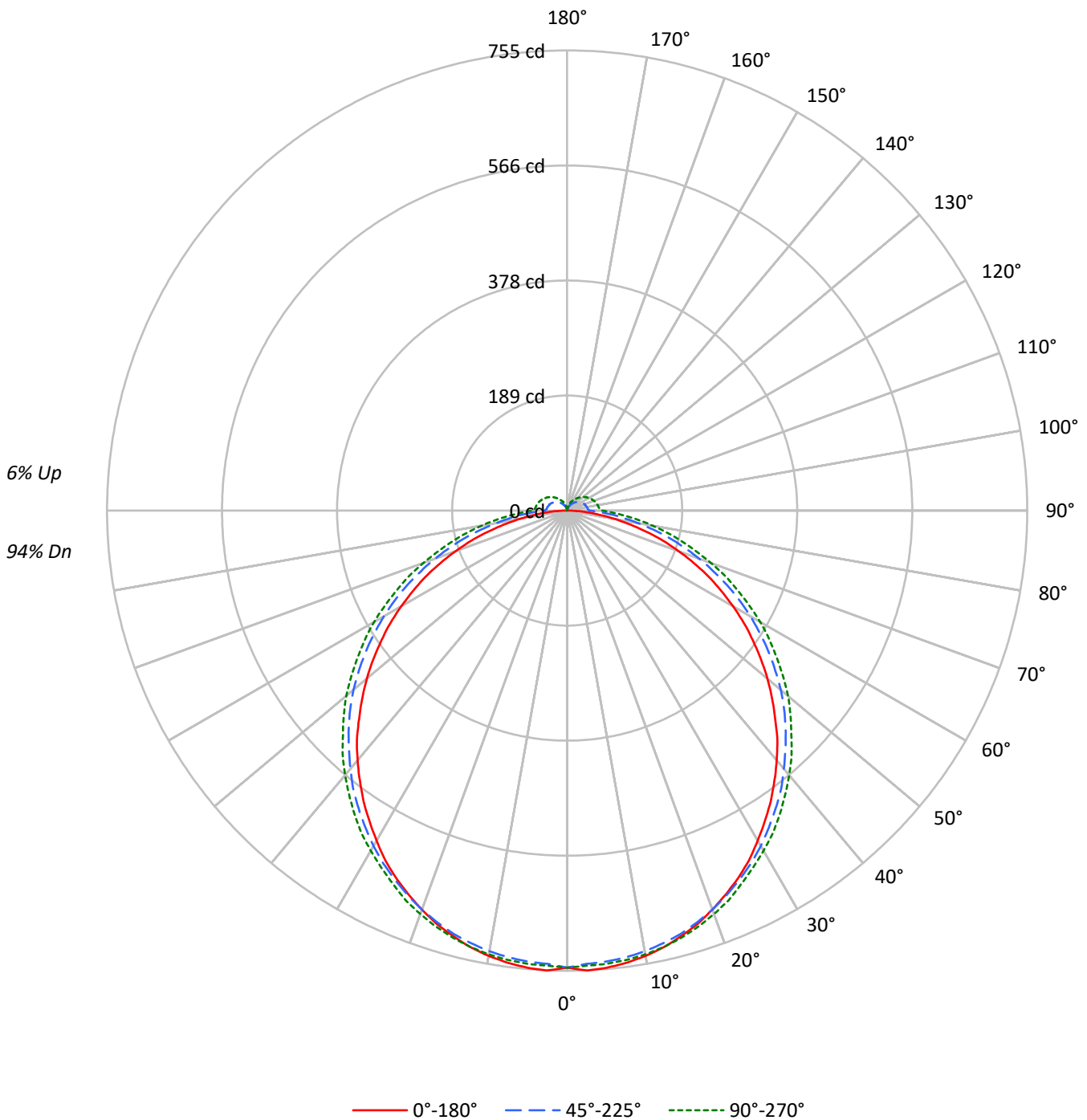
Lumens per Lamp: N/A
Luminaire Lumens: 2382.9 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.04')
CIE Type: Direct

Input Watts (W): 21
Input Voltage (V): NR
Input Current (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	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°	16144	16144	16144
5°	16238	15866	15900
10°	16159	15685	15700
15°	16022	15477	15476
20°	15841	15226	15212
25°	15635	14952	14899
30°	15362	14674	14613
35°	15086	14350	14311
40°	14779	13990	13972
45°	14399	13634	13578
50°	14026	13229	13219
55°	13566	12730	12718
60°	13049	12161	12225
65°	12492	11482	11543
70°	11556	10630	10841
75°	10419	9626	10000
80°	8748	8301	9063
85°	6563	7129	7967



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.1	3.0
10°-20°	204.1	8.6
20°-30°	309.3	13.0
30°-40°	373.3	15.7
40°-50°	389.9	16.4
50°-60°	358.2	15.0
60°-70°	283.2	11.9
70°-80°	179.2	7.5
80°-90°	77.0	3.2
90°-100°	33.9	1.4
100°-110°	30.4	1.3
110°-120°	25.6	1.1
120°-130°	20.0	0.8
130°-140°	13.8	0.6
140°-150°	8.3	0.3
150°-160°	4.1	0.2
160°-170°	1.4	0.1
170°-180°	0.2	0.0
0°-30°	584.4	24.5
0°-40°	957.8	40.2
0°-60°	1705.8	71.6
0°-90°	2245.3	94.2
90°-120°	89.9	3.8
90°-150°	132.0	5.5
90°-180°	138.0	5.8
0°-180°	2382.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	750	750	750	750	750	
5°	753	751	743	749	746	71
15°	723	723	719	727	725	204
25°	665	668	668	677	676	306
35°	582	589	597	606	608	364
45°	483	495	507	517	520	373
55°	372	387	403	416	420	333
65°	256	270	290	303	308	252
75°	135	151	173	188	195	143
85°	33	51	73	88	94	36
90°	2	18	37	52	57	3
95°	0	16	34	47	52	0
105°	0	14	32	44	49	0
115°	0	12	29	40	44	0
125°	1	11	24	35	38	1
135°	1	8	19	27	31	1
145°	1	6	14	21	23	1
155°	1	4	9	13	16	0
165°	1	3	5	6	9	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°	749.9	749.9	749.9	749.9	749.9
2.5°	755.4	752.8	744.4	750.3	747.4
5°	752.8	750.7	742.7	749.0	746.5
7.5°	748.2	746.5	739.3	746.1	743.6
10°	741.9	740.6	734.3	741.0	739.3
12.5°	733.8	733.4	727.1	734.7	733.4
15°	722.9	722.9	719.1	726.7	725.4
17.5°	711.1	711.5	708.5	716.5	715.7
20°	696.7	698.8	696.7	705.2	704.3
22.5°	681.1	684.1	683.2	691.6	692.1
25°	664.6	667.6	668.4	677.3	676.0
27.5°	646.5	651.1	652.8	660.8	660.4
30°	625.4	631.7	635.5	642.3	644.4
32.5°	603.9	611.5	616.1	625.4	627.9
35°	582.4	589.1	596.7	606.0	608.1
37.5°	558.7	566.3	576.4	585.3	587.8
40°	535.1	543.5	553.2	562.9	566.7
42.5°	510.6	519.5	530.0	541.4	545.2
45°	482.8	494.6	507.2	516.9	520.3
47.5°	456.2	469.3	482.8	493.3	497.1
50°	429.2	443.1	457.4	467.1	473.1
52.5°	400.9	416.1	430.4	442.7	446.5
55°	372.2	387.4	403.4	416.5	419.5
57.5°	344.3	359.1	375.2	387.4	393.3
60°	314.0	330.0	347.3	359.5	365.9
62.5°	284.4	300.0	318.6	331.7	336.8
65°	256.2	270.5	289.5	303.0	307.6
67.5°	224.9	241.4	259.5	275.1	281.0
70°	194.1	209.7	230.4	245.2	251.1
72.5°	165.4	180.6	201.3	216.1	221.5
75°	135.0	151.1	173.0	187.8	195.0
77.5°	105.9	123.6	144.7	160.8	168.8
80°	78.9	94.5	117.3	135.0	142.2
82.5°	53.6	70.5	94.1	110.6	118.6
85°	32.9	50.6	72.6	88.2	93.7
87.5°	15.6	32.5	52.7	67.9	74.7
90°	2.1	18.1	37.1	51.9	57.4
92.5°	0.4	15.6	34.2	48.1	53.2
95°	0.4	15.6	33.8	47.3	52.3
97.5°	0.4	15.2	33.3	46.8	51.5
100°	0.4	14.8	32.9	46.0	51.1
102.5°	0.4	14.8	32.1	45.2	49.8
105°	0.4	14.3	31.6	44.3	49.0
107.5°	0.4	13.9	30.8	43.5	48.1
110°	0.4	13.1	30.4	42.2	46.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	12.7	29.5	41.4	45.6
115°	0.4	12.2	28.7	40.1	44.3
117.5°	0.4	11.8	27.4	38.8	43.0
120°	0.8	11.8	26.6	37.6	41.4
122.5°	0.8	11.4	25.3	35.9	39.7
125°	0.8	11.0	24.1	34.6	38.4
127.5°	0.8	10.5	22.8	32.9	36.3
130°	0.8	9.7	21.9	31.2	34.6
132.5°	0.8	9.3	20.7	29.1	32.5
135°	0.8	8.4	19.4	27.4	30.8
137.5°	0.8	8.0	18.1	25.7	28.7
140°	0.8	7.6	16.5	24.1	27.0
142.5°	0.8	6.8	15.2	22.4	24.9
145°	0.8	6.3	13.5	20.7	22.8
147.5°	0.8	5.5	12.2	19.0	21.1
150°	0.8	5.1	11.0	17.3	19.4
152.5°	0.8	4.6	9.7	15.2	17.3
155°	0.8	4.2	8.9	13.1	15.6
157.5°	0.8	3.8	7.6	11.4	13.9
160°	1.3	3.4	6.8	9.7	11.8
162.5°	1.3	3.0	5.5	8.0	10.5
165°	1.3	3.0	4.6	6.3	8.9
167.5°	1.3	2.5	3.8	5.1	7.2
170°	1.3	2.1	3.4	3.8	5.5
172.5°	1.3	1.7	2.5	2.5	3.0
175°	1.3	1.7	2.1	2.1	1.3
177.5°	1.3	1.3	1.3	1.3	0.8
180°	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)