

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: P566284

Luminaire Tested: **4SNX-33SL-FDL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566284
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: 4SNX-33SL-FDL-UNV-L940-CD
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

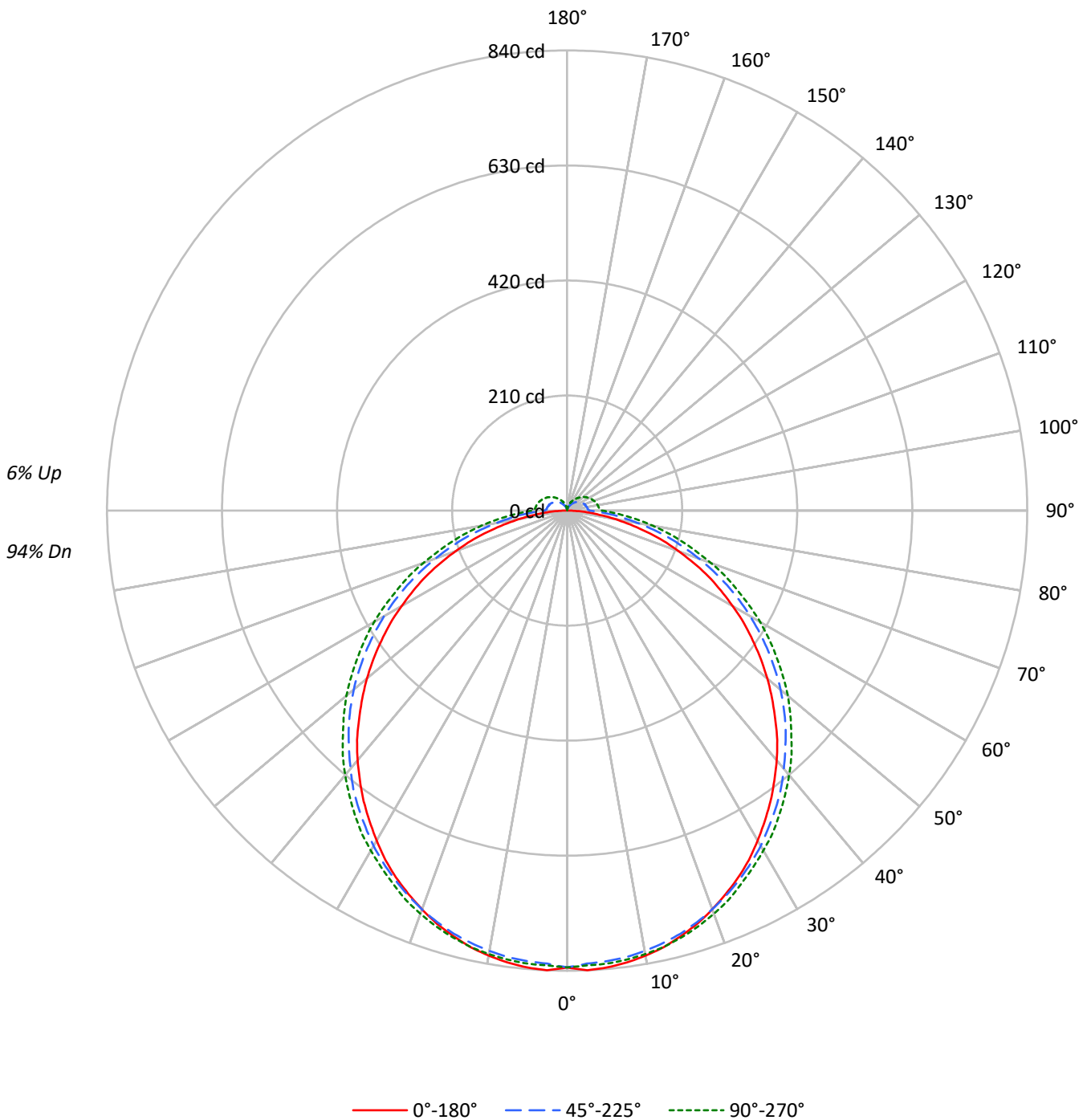
Lumens per Lamp: N/A
Luminaire Lumens: 2650.0 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: Direct

Input Watts (W): 21.1
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

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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	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°	8976	8976	8976
5°	9038	8827	8841
10°	9001	8732	8730
15°	8933	8621	8605
20°	8842	8488	8458
25°	8736	8341	8285
30°	8593	8191	8125
35°	8448	8017	7957
40°	8288	7822	7769
45°	8089	7631	7549
50°	7895	7412	7350
55°	7654	7141	7071
60°	7382	6832	6797
65°	7098	6463	6419
70°	6606	5999	6027
75°	6013	5453	5559
80°	5139	4730	5038
85°	4039	4099	4430



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.1	3.0
10°-20°	226.9	8.6
20°-30°	343.9	13.0
30°-40°	415.2	15.7
40°-50°	433.5	16.4
50°-60°	398.3	15.0
60°-70°	315.0	11.9
70°-80°	199.3	7.5
80°-90°	85.7	3.2
90°-100°	37.7	1.4
100°-110°	33.8	1.3
110°-120°	28.5	1.1
120°-130°	22.2	0.8
130°-140°	15.4	0.6
140°-150°	9.2	0.3
150°-160°	4.5	0.2
160°-170°	1.6	0.1
170°-180°	0.2	0.0
0°-30°	649.9	24.5
0°-40°	1065.1	40.2
0°-60°	1896.9	71.6
0°-90°	2496.9	94.2
90°-120°	100.0	3.8
90°-150°	146.8	5.5
90°-180°	153.0	5.8
0°-180°	2650.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	834	834	834	834	834	
5°	837	835	826	833	830	79
15°	804	804	800	808	807	227
25°	739	742	743	753	752	340
35°	648	655	664	674	676	405
45°	537	550	564	575	579	415
55°	414	431	449	463	466	370
65°	285	301	322	337	342	281
75°	150	168	192	209	217	159
85°	37	56	81	98	104	40
90°	2	20	41	58	64	3
95°	0	17	38	53	58	0
105°	0	16	35	49	54	1
115°	0	14	32	45	49	1
125°	1	12	27	38	43	1
135°	1	9	22	30	34	1
145°	1	7	15	23	25	1
155°	1	5	10	14	17	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°	833.9	833.9	833.9	833.9	833.9
2.5°	840.0	837.2	827.8	834.4	831.1
5°	837.2	834.8	825.9	833.0	830.2
7.5°	832.0	830.2	822.2	829.7	826.9
10°	825.0	823.6	816.5	824.1	822.2
12.5°	816.1	815.6	808.6	817.0	815.6
15°	803.9	803.9	799.6	808.1	806.7
17.5°	790.7	791.2	787.9	796.8	795.9
20°	774.8	777.1	774.8	784.2	783.2
22.5°	757.4	760.7	759.8	769.1	769.6
25°	739.1	742.4	743.3	753.2	751.8
27.5°	718.9	724.1	726.0	734.9	734.4
30°	695.5	702.5	706.7	714.2	716.6
32.5°	671.5	680.0	685.1	695.5	698.3
35°	647.6	655.1	663.6	673.9	676.2
37.5°	621.3	629.8	641.0	650.9	653.7
40°	595.0	604.4	615.2	626.0	630.2
42.5°	567.8	577.7	589.4	602.1	606.3
45°	536.9	550.0	564.1	574.9	578.6
47.5°	507.3	521.8	536.9	548.6	552.8
50°	477.3	492.7	508.7	519.5	526.1
52.5°	445.8	462.7	478.7	492.3	496.5
55°	413.9	430.8	448.6	463.2	466.5
57.5°	382.9	399.4	417.2	430.8	437.4
60°	349.1	367.0	386.2	399.8	406.9
62.5°	316.3	333.7	354.3	368.9	374.5
65°	284.9	300.8	321.9	336.9	342.1
67.5°	250.1	268.4	288.6	306.0	312.5
70°	215.9	233.2	256.2	272.6	279.2
72.5°	184.0	200.9	223.8	240.3	246.4
75°	150.2	168.0	192.4	208.8	216.8
77.5°	117.8	137.5	161.0	178.8	187.7
80°	87.8	105.1	130.5	150.2	158.1
82.5°	59.6	78.4	104.6	123.0	131.9
85°	36.6	56.3	80.7	98.1	104.2
87.5°	17.4	36.1	58.7	75.6	83.1
90°	2.3	20.2	41.3	57.7	63.8
92.5°	0.5	17.4	38.0	53.5	59.1
95°	0.5	17.4	37.5	52.6	58.2
97.5°	0.5	16.9	37.1	52.1	57.3
100°	0.5	16.4	36.6	51.2	56.8
102.5°	0.5	16.4	35.7	50.2	55.4
105°	0.5	16.0	35.2	49.3	54.4
107.5°	0.5	15.5	34.3	48.3	53.5
110°	0.5	14.5	33.8	46.9	52.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	14.1	32.8	46.0	50.7
115°	0.5	13.6	31.9	44.6	49.3
117.5°	0.5	13.1	30.5	43.2	47.9
120°	0.9	13.1	29.6	41.8	46.0
122.5°	0.9	12.7	28.2	39.9	44.1
125°	0.9	12.2	26.7	38.5	42.7
127.5°	0.9	11.7	25.3	36.6	40.4
130°	0.9	10.8	24.4	34.7	38.5
132.5°	0.9	10.3	23.0	32.4	36.1
135°	0.9	9.4	21.6	30.5	34.3
137.5°	0.9	8.9	20.2	28.6	31.9
140°	0.9	8.4	18.3	26.7	30.0
142.5°	0.9	7.5	16.9	24.9	27.7
145°	0.9	7.0	15.0	23.0	25.3
147.5°	0.9	6.1	13.6	21.1	23.5
150°	0.9	5.6	12.2	19.2	21.6
152.5°	0.9	5.2	10.8	16.9	19.2
155°	0.9	4.7	9.9	14.5	17.4
157.5°	0.9	4.2	8.4	12.7	15.5
160°	1.4	3.8	7.5	10.8	13.1
162.5°	1.4	3.3	6.1	8.9	11.7
165°	1.4	3.3	5.2	7.0	9.9
167.5°	1.4	2.8	4.2	5.6	8.0
170°	1.4	2.3	3.8	4.2	6.1
172.5°	1.4	1.9	2.8	2.8	3.3
175°	1.4	1.9	2.3	2.3	1.4
177.5°	1.4	1.4	1.4	1.4	0.9
180°	1.4	1.4	1.4	1.4	1.4

(END OF REPORT)