

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: P566308

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566308
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-33SL-LW-UNV-L940-CD
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

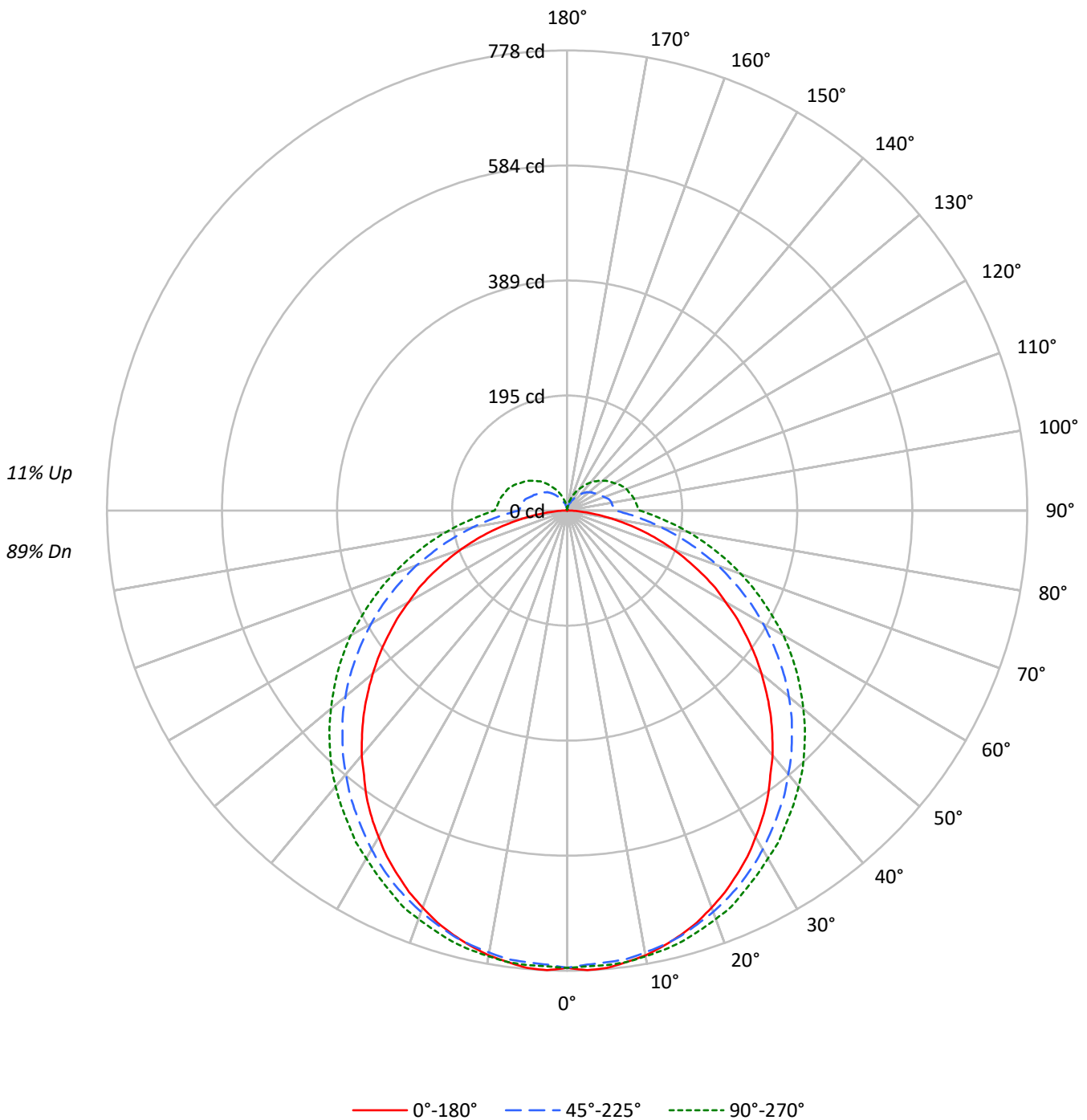
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2752.0 lumens
Efficiency: N/A
Efficacy: 130.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-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	0
RCR																		
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8321	8321	8321
5°	8356	7936	7876
10°	8284	7620	7483
15°	8186	7314	7128
20°	8058	6995	6773
25°	7911	6690	6426
30°	7739	6378	6094
35°	7550	6063	5783
40°	7335	5756	5487
45°	7104	5447	5182
50°	6841	5131	4864
55°	6550	4778	4551
60°	6208	4409	4220
65°	5850	4013	3843
70°	5357	3589	3472
75°	4704	3096	3079
80°	3675	2599	2686
85°	2401	2138	2284



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.4	2.7
10°-20°	211.0	7.7
20°-30°	320.9	11.7
30°-40°	389.5	14.2
40°-50°	411.6	15.0
50°-60°	385.2	14.0
60°-70°	316.0	11.5
70°-80°	217.4	7.9
80°-90°	119.1	4.3
90°-100°	76.7	2.8
100°-110°	68.8	2.5
110°-120°	56.9	2.1
120°-130°	43.8	1.6
130°-140°	30.8	1.1
140°-150°	18.6	0.7
150°-160°	8.9	0.3
160°-170°	2.9	0.1
170°-180°	0.3	0.0
0°-30°	605.4	22.0
0°-40°	994.9	36.2
0°-60°	1791.8	65.1
0°-90°	2444.3	88.8
90°-120°	202.4	7.4
90°-150°	295.6	10.7
90°-180°	308.0	11.2
0°-180°	2752.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	773	773	773	773	773	
5°	776	775	767	773	771	74
15°	743	746	744	754	754	209
25°	679	687	695	709	709	313
35°	591	606	623	641	646	369
45°	486	508	537	561	567	375
55°	370	400	437	464	473	331
65°	250	284	327	357	367	248
75°	131	166	214	247	258	138
85°	29	68	116	148	159	33
90°	0	38	81	112	123	2
95°	0	37	78	107	118	0
105°	0	30	73	100	110	1
115°	2	27	62	89	100	2
125°	2	22	53	76	86	1
135°	2	18	43	62	70	1
145°	2	13	30	48	53	1
155°	2	8	19	30	35	1
165°	2	5	10	14	18	0
175°	2	2	3	3	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	773.0	773.0	773.0	773.0	773.0
2.5°	777.8	776.2	768.3	774.6	771.4
5°	776.2	774.6	766.7	773.0	771.4
7.5°	769.9	769.9	765.1	771.4	769.9
10°	763.5	763.5	758.7	766.7	765.1
12.5°	753.9	755.5	752.3	761.9	760.3
15°	742.8	745.9	744.4	753.9	753.9
17.5°	730.0	733.2	733.2	744.4	744.4
20°	714.1	718.9	722.0	734.8	734.8
22.5°	698.1	704.5	709.3	720.4	725.2
25°	679.0	687.0	694.9	709.3	709.3
27.5°	659.9	669.4	679.0	693.3	694.9
30°	637.6	648.7	661.5	675.8	679.0
32.5°	615.2	629.6	642.3	659.9	664.7
35°	591.3	605.7	623.2	640.7	645.5
37.5°	564.2	581.8	604.1	623.2	628.0
40°	540.3	559.5	581.8	604.1	608.9
42.5°	513.2	534.0	561.1	581.8	589.7
45°	486.1	508.5	537.1	561.1	567.4
47.5°	457.5	483.0	514.8	537.1	545.1
50°	428.8	455.9	489.3	514.8	521.2
52.5°	400.1	428.8	463.8	489.3	497.3
55°	369.8	400.1	436.7	463.8	473.4
57.5°	341.1	371.4	409.6	438.3	447.9
60°	309.2	344.3	382.5	411.2	422.4
62.5°	282.1	314.0	355.4	384.1	393.7
65°	250.2	283.7	326.8	357.0	366.6
67.5°	220.0	255.0	298.1	329.9	339.5
70°	189.7	224.7	271.0	301.2	312.4
72.5°	159.4	196.1	240.7	274.2	285.3
75°	130.7	165.8	213.6	247.1	258.2
77.5°	100.4	138.7	186.5	220.0	232.7
80°	73.3	113.2	161.0	194.5	207.2
82.5°	49.4	89.3	137.1	170.5	183.3
85°	28.7	68.5	116.4	148.2	159.4
87.5°	14.3	52.6	97.2	129.1	140.3
90°	0.0	38.3	81.3	111.6	122.7
92.5°	0.0	36.7	79.7	108.4	119.5
95°	0.0	36.7	78.1	106.8	117.9
97.5°	0.0	35.1	76.5	106.8	116.4
100°	0.0	33.5	76.5	105.2	114.8
102.5°	0.0	31.9	74.9	103.6	113.2
105°	0.0	30.3	73.3	100.4	110.0
107.5°	1.6	30.3	70.1	98.8	108.4
110°	1.6	28.7	66.9	97.2	106.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.6	27.1	63.8	94.0	103.6
115°	1.6	27.1	62.2	89.3	100.4
117.5°	1.6	25.5	59.0	86.1	97.2
120°	1.6	25.5	57.4	82.9	92.4
122.5°	1.6	23.9	54.2	79.7	89.3
125°	1.6	22.3	52.6	76.5	86.1
127.5°	1.6	20.7	51.0	73.3	82.9
130°	1.6	19.1	47.8	70.1	78.1
132.5°	1.6	19.1	46.2	65.4	74.9
135°	1.6	17.5	43.0	62.2	70.1
137.5°	1.6	15.9	39.8	59.0	66.9
140°	1.6	14.3	36.7	55.8	62.2
142.5°	1.6	14.3	33.5	51.0	57.4
145°	1.6	12.8	30.3	47.8	52.6
147.5°	1.6	11.2	27.1	43.0	47.8
150°	1.6	11.2	23.9	38.3	43.0
152.5°	1.6	9.6	20.7	35.1	39.8
155°	1.6	8.0	19.1	30.3	35.1
157.5°	1.6	8.0	15.9	25.5	30.3
160°	1.6	6.4	14.3	20.7	25.5
162.5°	1.6	6.4	12.8	17.5	22.3
165°	1.6	4.8	9.6	14.3	17.5
167.5°	1.6	4.8	8.0	11.2	14.3
170°	1.6	3.2	6.4	8.0	11.2
172.5°	1.6	3.2	4.8	4.8	4.8
175°	1.6	1.6	3.2	3.2	1.6
177.5°	1.6	1.6	1.6	1.6	1.6
180°	1.6	1.6	1.6	1.6	1.6

(END OF REPORT)