

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: P566309

Luminaire Tested: **4SNX-33SL-LW-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566309
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-L950-CD
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

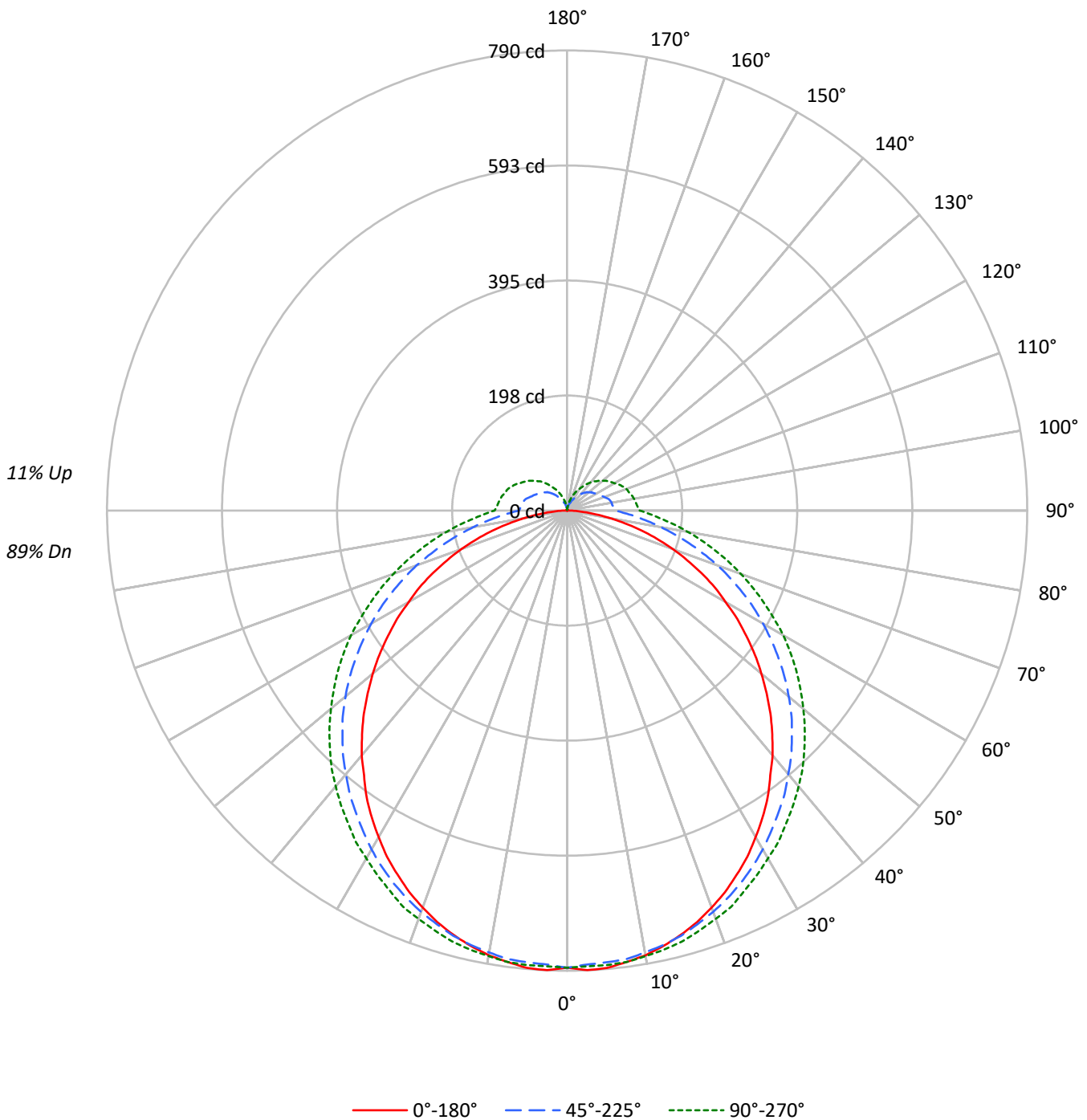
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2793.9 lumens
Efficiency: N/A
Efficacy: 132.4 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 (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	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	77	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°	8448	8448	8448
5°	8485	8058	7996
10°	8410	7736	7596
15°	8311	7425	7237
20°	8181	7103	6877
25°	8032	6793	6524
30°	7856	6475	6187
35°	7666	6155	5871
40°	7448	5844	5570
45°	7213	5531	5262
50°	6945	5210	4938
55°	6649	4851	4620
60°	6303	4477	4284
65°	5941	4073	3902
70°	5439	3644	3525
75°	4776	3142	3126
80°	3730	2637	2728
85°	2434	2169	2318



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.5	2.7
10°-20°	214.3	7.7
20°-30°	325.8	11.7
30°-40°	395.5	14.2
40°-50°	417.9	15.0
50°-60°	391.1	14.0
60°-70°	320.9	11.5
70°-80°	220.7	7.9
80°-90°	120.9	4.3
90°-100°	77.8	2.8
100°-110°	69.8	2.5
110°-120°	57.8	2.1
120°-130°	44.5	1.6
130°-140°	31.3	1.1
140°-150°	18.8	0.7
150°-160°	9.0	0.3
160°-170°	3.0	0.1
170°-180°	0.4	0.0
0°-30°	614.6	22.0
0°-40°	1010.1	36.2
0°-60°	1819.1	65.1
0°-90°	2481.5	88.8
90°-120°	205.5	7.4
90°-150°	300.1	10.7
90°-180°	312.0	11.2
0°-180°	2793.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	785	785	785	785	785	
5°	788	786	778	785	783	75
15°	754	757	756	765	765	213
25°	689	698	706	720	720	318
35°	600	615	633	650	655	375
45°	494	516	545	570	576	380
55°	375	406	443	471	481	336
65°	254	288	332	362	372	252
75°	133	168	217	251	262	140
85°	29	70	118	150	162	34
90°	0	39	82	113	125	2
95°	0	37	79	108	120	0
105°	0	31	74	102	112	1
115°	2	28	63	91	102	2
125°	2	23	53	78	87	1
135°	2	18	44	63	71	1
145°	2	13	31	48	53	1
155°	2	8	19	31	36	1
165°	2	5	10	15	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°	784.8	784.8	784.8	784.8	784.8
2.5°	789.7	788.1	780.0	786.5	783.2
5°	788.1	786.5	778.4	784.8	783.2
7.5°	781.6	781.6	776.7	783.2	781.6
10°	775.1	775.1	770.3	778.4	776.7
12.5°	765.4	767.0	763.8	773.5	771.9
15°	754.1	757.3	755.7	765.4	765.4
17.5°	741.1	744.4	744.4	755.7	755.7
20°	725.0	729.8	733.1	746.0	746.0
22.5°	708.8	715.3	720.1	731.4	736.3
25°	689.4	697.5	705.5	720.1	720.1
27.5°	669.9	679.7	689.4	703.9	705.5
30°	647.3	658.6	671.6	686.1	689.4
32.5°	624.6	639.2	652.1	669.9	674.8
35°	600.4	614.9	632.7	650.5	655.4
37.5°	572.9	590.7	613.3	632.7	637.6
40°	548.6	568.0	590.7	613.3	618.2
42.5°	521.1	542.1	569.6	590.7	598.7
45°	493.6	516.2	545.3	569.6	576.1
47.5°	464.4	490.3	522.7	545.3	553.4
50°	435.3	462.8	496.8	522.7	529.2
52.5°	406.2	435.3	470.9	496.8	504.9
55°	375.4	406.2	443.4	470.9	480.6
57.5°	346.3	377.0	415.9	445.0	454.7
60°	313.9	349.5	388.4	417.5	428.8
62.5°	286.4	318.8	360.9	390.0	399.7
65°	254.1	288.0	331.7	362.5	372.2
67.5°	223.3	258.9	302.6	335.0	344.7
70°	192.6	228.2	275.1	305.8	317.2
72.5°	161.8	199.0	244.4	278.3	289.7
75°	132.7	168.3	216.8	250.8	262.2
77.5°	101.9	140.8	189.3	223.3	236.3
80°	74.4	114.9	163.4	197.4	210.4
82.5°	50.2	90.6	139.2	173.2	186.1
85°	29.1	69.6	118.1	150.5	161.8
87.5°	14.6	53.4	98.7	131.1	142.4
90°	0.0	38.8	82.5	113.3	124.6
92.5°	0.0	37.2	80.9	110.0	121.4
95°	0.0	37.2	79.3	108.4	119.7
97.5°	0.0	35.6	77.7	108.4	118.1
100°	0.0	34.0	77.7	106.8	116.5
102.5°	0.0	32.4	76.1	105.2	114.9
105°	0.0	30.7	74.4	101.9	111.7
107.5°	1.6	30.7	71.2	100.3	110.0
110°	1.6	29.1	68.0	98.7	108.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.6	27.5	64.7	95.5	105.2
115°	1.6	27.5	63.1	90.6	101.9
117.5°	1.6	25.9	59.9	87.4	98.7
120°	1.6	25.9	58.3	84.1	93.9
122.5°	1.6	24.3	55.0	80.9	90.6
125°	1.6	22.7	53.4	77.7	87.4
127.5°	1.6	21.0	51.8	74.4	84.1
130°	1.6	19.4	48.5	71.2	79.3
132.5°	1.6	19.4	46.9	66.3	76.1
135°	1.6	17.8	43.7	63.1	71.2
137.5°	1.6	16.2	40.5	59.9	68.0
140°	1.6	14.6	37.2	56.6	63.1
142.5°	1.6	14.6	34.0	51.8	58.3
145°	1.6	12.9	30.7	48.5	53.4
147.5°	1.6	11.3	27.5	43.7	48.5
150°	1.6	11.3	24.3	38.8	43.7
152.5°	1.6	9.7	21.0	35.6	40.5
155°	1.6	8.1	19.4	30.7	35.6
157.5°	1.6	8.1	16.2	25.9	30.7
160°	1.6	6.5	14.6	21.0	25.9
162.5°	1.6	6.5	12.9	17.8	22.7
165°	1.6	4.9	9.7	14.6	17.8
167.5°	1.6	4.9	8.1	11.3	14.6
170°	1.6	3.2	6.5	8.1	11.3
172.5°	1.6	3.2	4.9	4.9	4.9
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)