

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: P566317

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566317
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-SLW-UNV-L950-CD
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

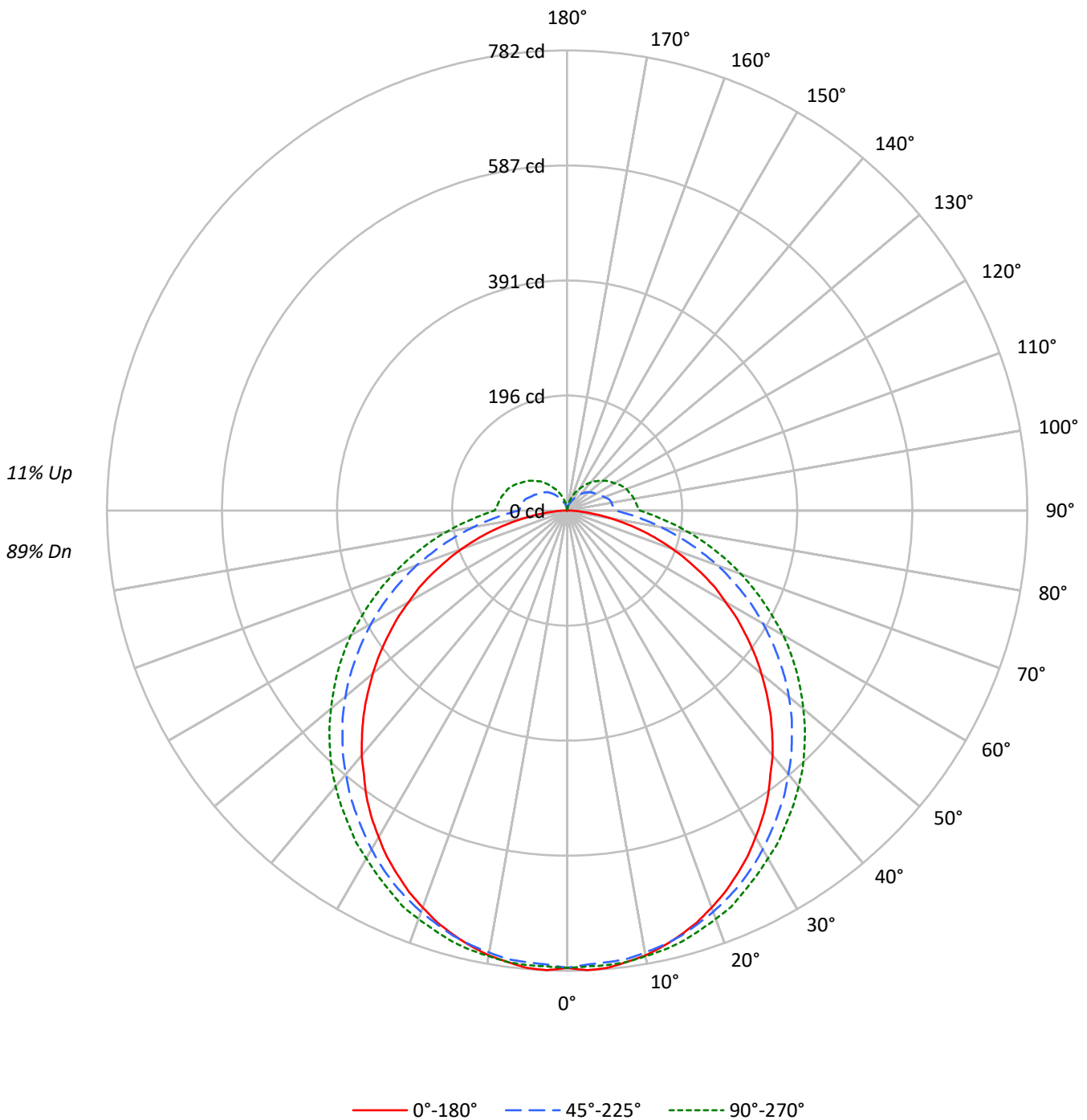
Lumens per Lamp: N/A
Luminaire Lumens: 2765.9 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

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°	8364	8364	8364
5°	8415	8149	8142
10°	8357	7984	7940
15°	8273	7814	7755
20°	8159	7621	7547
25°	8028	7431	7332
30°	7870	7223	7118
35°	7697	7007	6917
40°	7501	6794	6726
45°	7287	6578	6518
50°	7042	6348	6286
55°	6775	6075	6057
60°	6459	5780	5802
65°	6133	5449	5482
70°	5675	5085	5168
75°	5072	4624	4820
80°	4087	4154	4479
85°	2875	3749	4126



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.8	2.7
10°-20°	212.1	7.7
20°-30°	322.5	11.7
30°-40°	391.5	14.2
40°-50°	413.7	15.0
50°-60°	387.2	14.0
60°-70°	317.7	11.5
70°-80°	218.5	7.9
80°-90°	119.6	4.3
90°-100°	77.0	2.8
100°-110°	69.1	2.5
110°-120°	57.2	2.1
120°-130°	44.1	1.6
130°-140°	31.0	1.1
140°-150°	18.7	0.7
150°-160°	8.9	0.3
160°-170°	2.9	0.1
170°-180°	0.3	0.0
0°-30°	608.5	22.0
0°-40°	1000.0	36.2
0°-60°	1800.9	65.1
0°-90°	2456.7	88.8
90°-120°	203.4	7.4
90°-150°	297.1	10.7
90°-180°	309.0	11.2
0°-180°	2765.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	777	777	777	777	777	
5°	780	779	771	777	775	74
15°	746	750	748	758	758	211
25°	682	690	698	713	713	314
35°	594	609	626	644	649	371
45°	489	511	540	564	570	377
55°	372	402	439	466	476	333
65°	252	285	328	359	368	249
75°	131	167	215	248	260	138
85°	29	69	117	149	160	33
90°	0	38	82	112	123	2
95°	0	37	78	107	118	0
105°	0	30	74	101	110	1
115°	2	27	62	90	101	2
125°	2	22	53	77	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°	777.0	777.0	777.0	777.0	777.0
2.5°	781.8	780.2	772.2	778.6	775.4
5°	780.2	778.6	770.6	777.0	775.4
7.5°	773.8	773.8	769.0	775.4	773.8
10°	767.4	767.4	762.6	770.6	769.0
12.5°	757.8	759.4	756.1	765.8	764.2
15°	746.5	749.7	748.1	757.8	757.8
17.5°	733.7	736.9	736.9	748.1	748.1
20°	717.7	722.5	725.7	738.5	738.5
22.5°	701.7	708.1	712.9	724.1	728.9
25°	682.5	690.5	698.5	712.9	712.9
27.5°	663.2	672.8	682.5	696.9	698.5
30°	640.8	652.0	664.8	679.3	682.5
32.5°	618.4	632.8	645.6	663.2	668.0
35°	594.3	608.8	626.4	644.0	648.8
37.5°	567.1	584.7	607.2	626.4	631.2
40°	543.1	562.3	584.7	607.2	612.0
42.5°	515.8	536.7	563.9	584.7	592.7
45°	488.6	511.0	539.9	563.9	570.3
47.5°	459.8	485.4	517.4	539.9	547.9
50°	430.9	458.2	491.8	517.4	523.9
52.5°	402.1	430.9	466.2	491.8	499.8
55°	371.7	402.1	439.0	466.2	475.8
57.5°	342.8	373.3	411.7	440.6	450.2
60°	310.8	346.0	384.5	413.3	424.5
62.5°	283.6	315.6	357.2	386.1	395.7
65°	251.5	285.2	328.4	358.9	368.5
67.5°	221.1	256.3	299.6	331.6	341.2
70°	190.6	225.9	272.3	302.8	314.0
72.5°	160.2	197.0	241.9	275.5	286.8
75°	131.4	166.6	214.7	248.3	259.5
77.5°	100.9	139.4	187.4	221.1	233.9
80°	73.7	113.7	161.8	195.4	208.3
82.5°	49.7	89.7	137.8	171.4	184.2
85°	28.8	68.9	116.9	149.0	160.2
87.5°	14.4	52.9	97.7	129.8	141.0
90°	0.0	38.4	81.7	112.1	123.4
92.5°	0.0	36.8	80.1	108.9	120.2
95°	0.0	36.8	78.5	107.3	118.5
97.5°	0.0	35.2	76.9	107.3	116.9
100°	0.0	33.6	76.9	105.7	115.3
102.5°	0.0	32.0	75.3	104.1	113.7
105°	0.0	30.4	73.7	100.9	110.5
107.5°	1.6	30.4	70.5	99.3	108.9
110°	1.6	28.8	67.3	97.7	107.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.6	27.2	64.1	94.5	104.1
115°	1.6	27.2	62.5	89.7	100.9
117.5°	1.6	25.6	59.3	86.5	97.7
120°	1.6	25.6	57.7	83.3	92.9
122.5°	1.6	24.0	54.5	80.1	89.7
125°	1.6	22.4	52.9	76.9	86.5
127.5°	1.6	20.8	51.3	73.7	83.3
130°	1.6	19.2	48.1	70.5	78.5
132.5°	1.6	19.2	46.5	65.7	75.3
135°	1.6	17.6	43.3	62.5	70.5
137.5°	1.6	16.0	40.1	59.3	67.3
140°	1.6	14.4	36.8	56.1	62.5
142.5°	1.6	14.4	33.6	51.3	57.7
145°	1.6	12.8	30.4	48.1	52.9
147.5°	1.6	11.2	27.2	43.3	48.1
150°	1.6	11.2	24.0	38.4	43.3
152.5°	1.6	9.6	20.8	35.2	40.1
155°	1.6	8.0	19.2	30.4	35.2
157.5°	1.6	8.0	16.0	25.6	30.4
160°	1.6	6.4	14.4	20.8	25.6
162.5°	1.6	6.4	12.8	17.6	22.4
165°	1.6	4.8	9.6	14.4	17.6
167.5°	1.6	4.8	8.0	11.2	14.4
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)