

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: P565528

Luminaire Tested: **2SNX-19SL-LW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565528
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: 2SNX-19SL-LW-UNV-L940-CD
Description: 2FT 1900 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

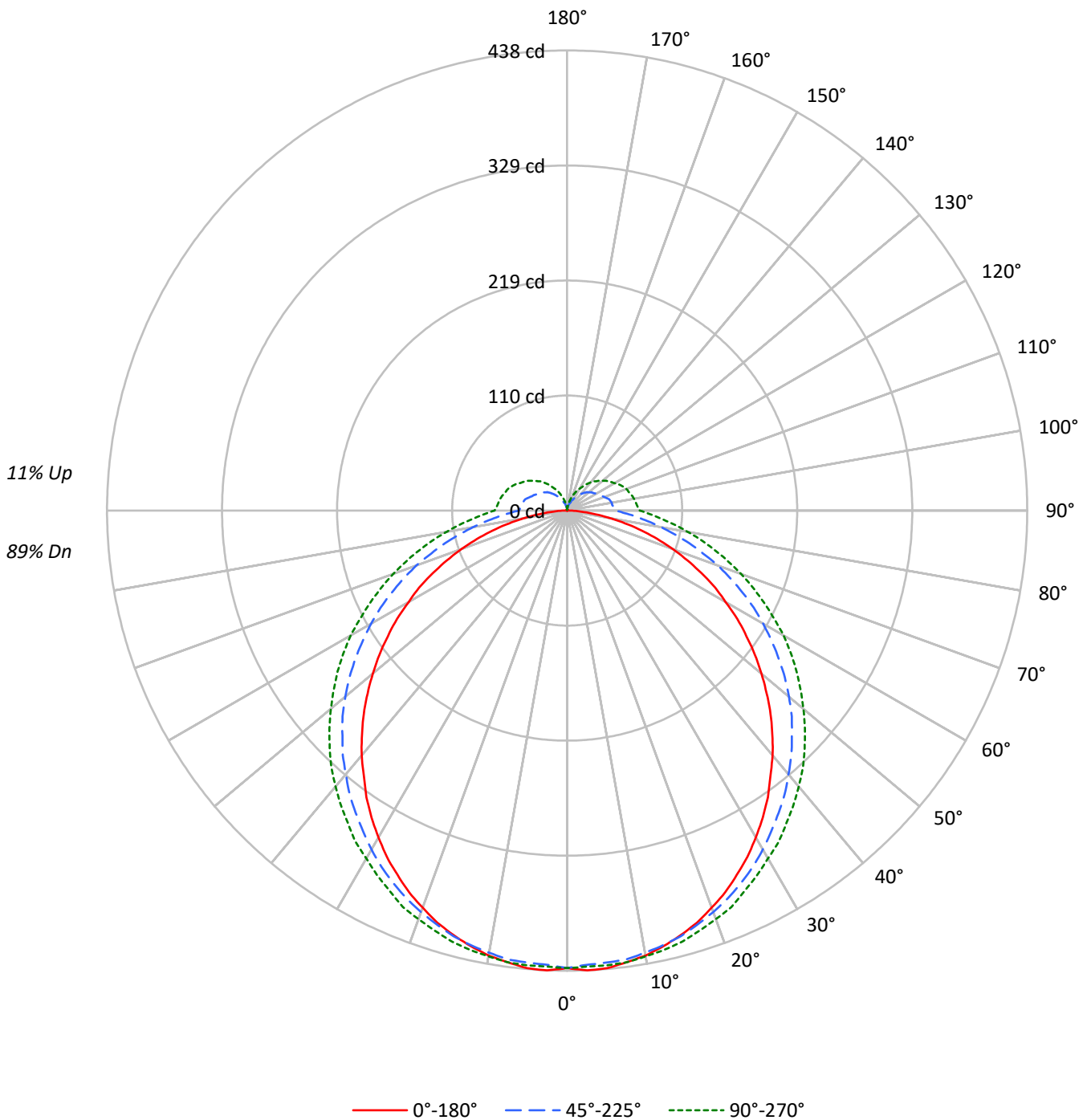
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1550.0 lumens
Efficiency: N/A
Efficacy: 129.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 12
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	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°	9373	9373	9373
5°	9380	8917	8872
10°	9264	8542	8429
15°	9119	8180	8029
20°	8943	7810	7631
25°	8744	7454	7239
30°	8517	7091	6864
35°	8271	6727	6515
40°	7993	6373	6179
45°	7695	6018	5838
50°	7357	5656	5479
55°	6987	5254	5126
60°	6554	4836	4754
65°	6089	4385	4329
70°	5470	3909	3912
75°	4670	3359	3467
80°	3477	2806	3026
85°	2049	2291	2573



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.4	2.7
10°-20°	118.9	7.7
20°-30°	180.7	11.7
30°-40°	219.4	14.2
40°-50°	231.8	15.0
50°-60°	217.0	14.0
60°-70°	178.0	11.5
70°-80°	122.4	7.9
80°-90°	67.1	4.3
90°-100°	43.2	2.8
100°-110°	38.8	2.5
110°-120°	32.1	2.1
120°-130°	24.7	1.6
130°-140°	17.3	1.1
140°-150°	10.5	0.7
150°-160°	5.0	0.3
160°-170°	1.6	0.1
170°-180°	0.2	0.0
0°-30°	341.0	22.0
0°-40°	560.4	36.2
0°-60°	1009.2	65.1
0°-90°	1376.7	88.8
90°-120°	114.0	7.4
90°-150°	166.5	10.7
90°-180°	173.0	11.2
0°-180°	1550.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	435	435	435	435	435	
5°	437	436	432	435	434	41
15°	418	420	419	425	425	118
25°	382	387	391	400	400	176
35°	333	341	351	361	364	208
45°	274	286	302	316	320	211
55°	208	225	246	261	267	186
65°	141	160	184	201	206	140
75°	74	93	120	139	145	78
85°	16	39	66	84	90	19
90°	0	22	46	63	69	1
95°	0	21	44	60	66	0
105°	0	17	41	57	62	1
115°	1	15	35	50	57	1
125°	1	13	30	43	48	1
135°	1	10	24	35	40	1
145°	1	7	17	27	30	1
155°	1	4	11	17	20	0
165°	1	3	5	8	10	0
175°	1	1	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°	435.4	435.4	435.4	435.4	435.4
2.5°	438.1	437.2	432.7	436.3	434.5
5°	437.2	436.3	431.8	435.4	434.5
7.5°	433.6	433.6	430.9	434.5	433.6
10°	430.0	430.0	427.3	431.8	430.9
12.5°	424.6	425.5	423.7	429.1	428.2
15°	418.3	420.1	419.2	424.6	424.6
17.5°	411.2	413.0	413.0	419.2	419.2
20°	402.2	404.9	406.7	413.9	413.9
22.5°	393.2	396.8	399.5	405.8	408.5
25°	382.4	386.9	391.4	399.5	399.5
27.5°	371.7	377.0	382.4	390.5	391.4
30°	359.1	365.4	372.6	380.6	382.4
32.5°	346.5	354.6	361.8	371.7	374.4
35°	333.1	341.1	351.0	360.9	363.6
37.5°	317.8	327.7	340.2	351.0	353.7
40°	304.3	315.1	327.7	340.2	342.9
42.5°	289.1	300.7	316.0	327.7	332.2
45°	273.8	286.4	302.5	316.0	319.6
47.5°	257.6	272.0	290.0	302.5	307.0
50°	241.5	256.8	275.6	290.0	293.6
52.5°	225.3	241.5	261.2	275.6	280.1
55°	208.3	225.3	246.0	261.2	266.6
57.5°	192.1	209.2	230.7	246.9	252.3
60°	174.2	193.9	215.5	231.6	237.9
62.5°	158.9	176.9	200.2	216.4	221.7
65°	140.9	159.8	184.0	201.1	206.5
67.5°	123.9	143.6	167.9	185.8	191.2
70°	106.8	126.6	152.6	169.7	176.0
72.5°	89.8	110.4	135.6	154.4	160.7
75°	73.6	93.4	120.3	139.1	145.4
77.5°	56.6	78.1	105.0	123.9	131.1
80°	41.3	63.7	90.7	109.5	116.7
82.5°	27.8	50.3	77.2	96.1	103.2
85°	16.2	38.6	65.5	83.5	89.8
87.5°	8.1	29.6	54.8	72.7	79.0
90°	0.0	21.5	45.8	62.8	69.1
92.5°	0.0	20.6	44.9	61.0	67.3
95°	0.0	20.6	44.0	60.1	66.4
97.5°	0.0	19.8	43.1	60.1	65.5
100°	0.0	18.9	43.1	59.3	64.6
102.5°	0.0	18.0	42.2	58.4	63.7
105°	0.0	17.1	41.3	56.6	61.9
107.5°	0.9	17.1	39.5	55.7	61.0
110°	0.9	16.2	37.7	54.8	60.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	15.3	35.9	53.0	58.4
115°	0.9	15.3	35.0	50.3	56.6
117.5°	0.9	14.4	33.2	48.5	54.8
120°	0.9	14.4	32.3	46.7	52.1
122.5°	0.9	13.5	30.5	44.9	50.3
125°	0.9	12.6	29.6	43.1	48.5
127.5°	0.9	11.7	28.7	41.3	46.7
130°	0.9	10.8	26.9	39.5	44.0
132.5°	0.9	10.8	26.0	36.8	42.2
135°	0.9	9.9	24.2	35.0	39.5
137.5°	0.9	9.0	22.4	33.2	37.7
140°	0.9	8.1	20.6	31.4	35.0
142.5°	0.9	8.1	18.9	28.7	32.3
145°	0.9	7.2	17.1	26.9	29.6
147.5°	0.9	6.3	15.3	24.2	26.9
150°	0.9	6.3	13.5	21.5	24.2
152.5°	0.9	5.4	11.7	19.8	22.4
155°	0.9	4.5	10.8	17.1	19.8
157.5°	0.9	4.5	9.0	14.4	17.1
160°	0.9	3.6	8.1	11.7	14.4
162.5°	0.9	3.6	7.2	9.9	12.6
165°	0.9	2.7	5.4	8.1	9.9
167.5°	0.9	2.7	4.5	6.3	8.1
170°	0.9	1.8	3.6	4.5	6.3
172.5°	0.9	1.8	2.7	2.7	2.7
175°	0.9	0.9	1.8	1.8	0.9
177.5°	0.9	0.9	0.9	0.9	0.9
180°	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)