

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: P565536

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565536
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-SLW-UNV-L940-CD
Description: 2FT 1900 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

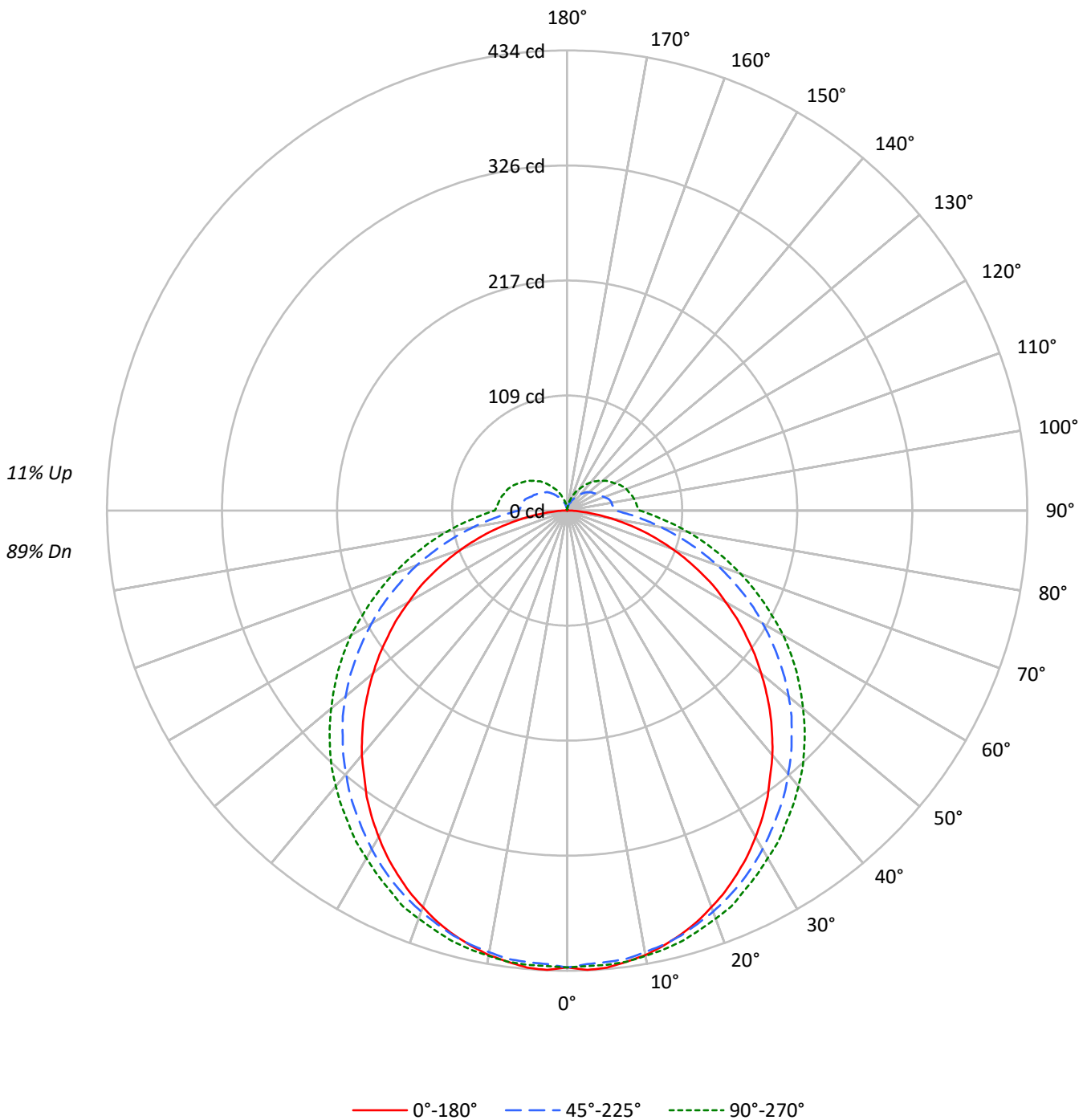
Lumens per Lamp: N/A
Luminaire Lumens: 1534.0 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')
CIE Type: Semi-Direct

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	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°	9276	9276	9276
5°	9317	9028	9030
10°	9236	8833	8808
15°	9125	8636	8600
20°	8982	8412	8372
25°	8820	8193	8133
30°	8628	7953	7895
35°	8417	7705	7672
40°	8180	7460	7460
45°	7922	7211	7230
50°	7627	6949	6971
55°	7303	6633	6719
60°	6925	6298	6435
65°	6525	5922	6079
70°	5972	5508	5731
75°	5250	4989	5346
80°	4105	4452	4967
85°	2681	3989	4575



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.9	2.7
10°-20°	117.6	7.7
20°-30°	178.9	11.7
30°-40°	217.1	14.2
40°-50°	229.5	15.0
50°-60°	214.7	14.0
60°-70°	176.2	11.5
70°-80°	121.2	7.9
80°-90°	66.4	4.3
90°-100°	42.7	2.8
100°-110°	38.4	2.5
110°-120°	31.7	2.1
120°-130°	24.4	1.6
130°-140°	17.2	1.1
140°-150°	10.4	0.7
150°-160°	5.0	0.3
160°-170°	1.6	0.1
170°-180°	0.2	0.0
0°-30°	337.5	22.0
0°-40°	554.6	36.2
0°-60°	998.7	65.1
0°-90°	1362.4	88.8
90°-120°	112.8	7.4
90°-150°	164.8	10.7
90°-180°	172.0	11.2
0°-180°	1534.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	431	431	431	431	431	
5°	433	432	427	431	430	41
15°	414	416	415	420	420	117
25°	378	383	387	395	395	174
35°	330	338	347	357	360	206
45°	271	283	299	313	316	209
55°	206	223	243	258	264	184
65°	140	158	182	199	204	138
75°	73	92	119	138	144	77
85°	16	38	65	83	89	18
90°	0	21	45	62	68	1
95°	0	20	44	60	66	0
105°	0	17	41	56	61	1
115°	1	15	35	50	56	1
125°	1	12	29	43	48	1
135°	1	10	24	35	39	1
145°	1	7	17	27	29	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°	430.9	430.9	430.9	430.9	430.9
2.5°	433.6	432.7	428.2	431.8	430.0
5°	432.7	431.8	427.4	430.9	430.0
7.5°	429.1	429.1	426.5	430.0	429.1
10°	425.6	425.6	422.9	427.4	426.5
12.5°	420.2	421.1	419.4	424.7	423.8
15°	414.0	415.8	414.9	420.2	420.2
17.5°	406.9	408.7	408.7	414.9	414.9
20°	398.0	400.7	402.5	409.6	409.6
22.5°	389.1	392.7	395.4	401.6	404.3
25°	378.5	382.9	387.4	395.4	395.4
27.5°	367.8	373.2	378.5	386.5	387.4
30°	355.4	361.6	368.7	376.7	378.5
32.5°	342.9	350.9	358.1	367.8	370.5
35°	329.6	337.6	347.4	357.2	359.8
37.5°	314.5	324.3	336.7	347.4	350.1
40°	301.2	311.9	324.3	336.7	339.4
42.5°	286.1	297.6	312.7	324.3	328.7
45°	271.0	283.4	299.4	312.7	316.3
47.5°	255.0	269.2	287.0	299.4	303.9
50°	239.0	254.1	272.8	287.0	290.5
52.5°	223.0	239.0	258.5	272.8	277.2
55°	206.1	223.0	243.4	258.5	263.9
57.5°	190.1	207.0	228.3	244.3	249.7
60°	172.4	191.9	213.2	229.2	235.4
62.5°	157.3	175.0	198.1	214.1	219.5
65°	139.5	158.1	182.1	199.0	204.3
67.5°	122.6	142.2	166.1	183.9	189.2
70°	105.7	125.3	151.0	167.9	174.1
72.5°	88.8	109.3	134.2	152.8	159.0
75°	72.9	92.4	119.1	137.7	143.9
77.5°	56.0	77.3	104.0	122.6	129.7
80°	40.9	63.1	89.7	108.4	115.5
82.5°	27.5	49.8	76.4	95.1	102.2
85°	16.0	38.2	64.9	82.6	88.8
87.5°	8.0	29.3	54.2	72.0	78.2
90°	0.0	21.3	45.3	62.2	68.4
92.5°	0.0	20.4	44.4	60.4	66.6
95°	0.0	20.4	43.5	59.5	65.7
97.5°	0.0	19.5	42.6	59.5	64.9
100°	0.0	18.7	42.6	58.6	64.0
102.5°	0.0	17.8	41.8	57.8	63.1
105°	0.0	16.9	40.9	56.0	61.3
107.5°	0.9	16.9	39.1	55.1	60.4
110°	0.9	16.0	37.3	54.2	59.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	15.1	35.5	52.4	57.8
115°	0.9	15.1	34.7	49.8	56.0
117.5°	0.9	14.2	32.9	48.0	54.2
120°	0.9	14.2	32.0	46.2	51.5
122.5°	0.9	13.3	30.2	44.4	49.8
125°	0.9	12.4	29.3	42.6	48.0
127.5°	0.9	11.6	28.4	40.9	46.2
130°	0.9	10.7	26.7	39.1	43.5
132.5°	0.9	10.7	25.8	36.4	41.8
135°	0.9	9.8	24.0	34.7	39.1
137.5°	0.9	8.9	22.2	32.9	37.3
140°	0.9	8.0	20.4	31.1	34.7
142.5°	0.9	8.0	18.7	28.4	32.0
145°	0.9	7.1	16.9	26.7	29.3
147.5°	0.9	6.2	15.1	24.0	26.7
150°	0.9	6.2	13.3	21.3	24.0
152.5°	0.9	5.3	11.6	19.5	22.2
155°	0.9	4.4	10.7	16.9	19.5
157.5°	0.9	4.4	8.9	14.2	16.9
160°	0.9	3.6	8.0	11.6	14.2
162.5°	0.9	3.6	7.1	9.8	12.4
165°	0.9	2.7	5.3	8.0	9.8
167.5°	0.9	2.7	4.4	6.2	8.0
170°	0.9	1.8	3.6	4.4	6.2
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)