

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: P565676

Luminaire Tested: **2SNX-30SL-SLW-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565676
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-30SL-SLW-UNV-L840-CD
Description: 2FT 3000 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

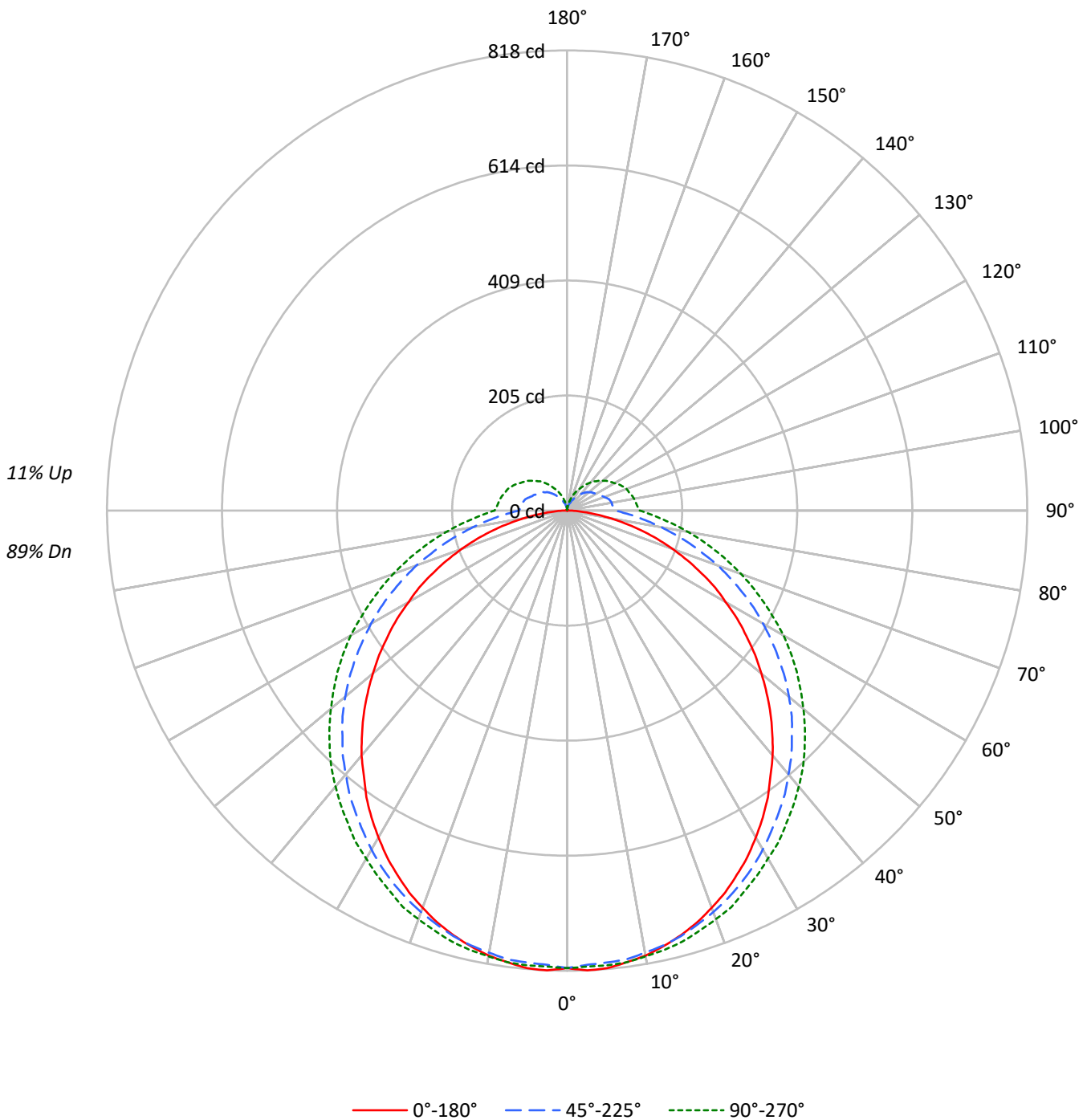
Lumens per Lamp: N/A
Luminaire Lumens: 2895.0 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 21
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°	17506	17506	17506
5°	17583	17035	17042
10°	17430	16670	16620
15°	17224	16298	16232
20°	16953	15876	15800
25°	16645	15462	15347
30°	16282	15008	14900
35°	15888	14541	14481
40°	15436	14079	14078
45°	14949	13610	13643
50°	14393	13114	13157
55°	13783	12520	12679
60°	13067	11888	12145
65°	12312	11177	11473
70°	11272	10396	10817
75°	9903	9412	10090
80°	7737	8403	9375
85°	5060	7523	8639



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.2	2.7
10°-20°	222.0	7.7
20°-30°	337.6	11.7
30°-40°	409.8	14.2
40°-50°	433.0	15.0
50°-60°	405.2	14.0
60°-70°	332.5	11.5
70°-80°	228.7	7.9
80°-90°	125.2	4.3
90°-100°	80.6	2.8
100°-110°	72.4	2.5
110°-120°	59.9	2.1
120°-130°	46.1	1.6
130°-140°	32.4	1.1
140°-150°	19.5	0.7
150°-160°	9.4	0.3
160°-170°	3.1	0.1
170°-180°	0.4	0.0
0°-30°	636.8	22.0
0°-40°	1046.6	36.2
0°-60°	1884.9	65.1
0°-90°	2571.2	88.8
90°-120°	212.9	7.4
90°-150°	311.0	10.7
90°-180°	324.0	11.2
0°-180°	2895.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	813	813	813	813	813	
5°	817	815	806	813	812	77
15°	781	785	783	793	793	220
25°	714	723	731	746	746	329
35°	622	637	656	674	679	389
45°	511	535	565	590	597	394
55°	389	421	459	488	498	348
65°	263	298	344	376	386	261
75°	138	174	225	260	272	145
85°	30	72	122	156	168	35
90°	0	40	86	117	129	2
95°	0	39	82	112	124	0
105°	0	32	77	106	116	1
115°	2	28	65	94	106	2
125°	2	24	55	80	90	2
135°	2	18	45	65	74	1
145°	2	13	32	50	55	1
155°	2	8	20	32	37	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°	813.2	813.2	813.2	813.2	813.2
2.5°	818.2	816.6	808.2	814.9	811.5
5°	816.6	814.9	806.5	813.2	811.5
7.5°	809.9	809.9	804.8	811.5	809.9
10°	803.2	803.2	798.1	806.5	804.8
12.5°	793.1	794.8	791.4	801.5	799.8
15°	781.4	784.7	783.0	793.1	793.1
17.5°	767.9	771.3	771.3	783.0	783.0
20°	751.2	756.2	759.6	773.0	773.0
22.5°	734.4	741.1	746.1	757.9	762.9
25°	714.3	722.7	731.1	746.1	746.1
27.5°	694.2	704.2	714.3	729.4	731.1
30°	670.7	682.4	695.8	710.9	714.3
32.5°	647.2	662.3	675.7	694.2	699.2
35°	622.1	637.2	655.6	674.0	679.1
37.5°	593.6	612.0	635.5	655.6	660.6
40°	568.4	588.5	612.0	635.5	640.5
42.5°	539.9	561.7	590.2	612.0	620.4
45°	511.4	534.9	565.1	590.2	596.9
47.5°	481.2	508.0	541.6	565.1	573.4
50°	451.0	479.5	514.8	541.6	548.3
52.5°	420.9	451.0	487.9	514.8	523.1
55°	389.0	420.9	459.4	487.9	498.0
57.5°	358.8	390.7	430.9	461.1	471.2
60°	325.3	362.2	402.4	432.6	444.3
62.5°	296.8	330.3	373.9	404.1	414.2
65°	263.2	298.5	343.7	375.6	385.6
67.5°	231.4	268.3	313.5	347.1	357.1
70°	199.5	236.4	285.0	316.9	328.6
72.5°	167.7	206.2	253.2	288.4	300.1
75°	137.5	174.4	224.7	259.9	271.6
77.5°	105.6	145.9	196.2	231.4	244.8
80°	77.1	119.0	169.3	204.6	218.0
82.5°	52.0	93.9	144.2	179.4	192.8
85°	30.2	72.1	122.4	155.9	167.7
87.5°	15.1	55.3	102.3	135.8	147.6
90°	0.0	40.2	85.5	117.4	129.1
92.5°	0.0	38.6	83.8	114.0	125.8
95°	0.0	38.6	82.2	112.3	124.1
97.5°	0.0	36.9	80.5	112.3	122.4
100°	0.0	35.2	80.5	110.7	120.7
102.5°	0.0	33.5	78.8	109.0	119.0
105°	0.0	31.9	77.1	105.6	115.7
107.5°	1.7	31.9	73.8	104.0	114.0
110°	1.7	30.2	70.4	102.3	112.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.7	28.5	67.1	98.9	109.0
115°	1.7	28.5	65.4	93.9	105.6
117.5°	1.7	26.8	62.0	90.5	102.3
120°	1.7	26.8	60.4	87.2	97.3
122.5°	1.7	25.2	57.0	83.8	93.9
125°	1.7	23.5	55.3	80.5	90.5
127.5°	1.7	21.8	53.7	77.1	87.2
130°	1.7	20.1	50.3	73.8	82.2
132.5°	1.7	20.1	48.6	68.7	78.8
135°	1.7	18.4	45.3	65.4	73.8
137.5°	1.7	16.8	41.9	62.0	70.4
140°	1.7	15.1	38.6	58.7	65.4
142.5°	1.7	15.1	35.2	53.7	60.4
145°	1.7	13.4	31.9	50.3	55.3
147.5°	1.7	11.7	28.5	45.3	50.3
150°	1.7	11.7	25.2	40.2	45.3
152.5°	1.7	10.1	21.8	36.9	41.9
155°	1.7	8.4	20.1	31.9	36.9
157.5°	1.7	8.4	16.8	26.8	31.9
160°	1.7	6.7	15.1	21.8	26.8
162.5°	1.7	6.7	13.4	18.4	23.5
165°	1.7	5.0	10.1	15.1	18.4
167.5°	1.7	5.0	8.4	11.7	15.1
170°	1.7	3.4	6.7	8.4	11.7
172.5°	1.7	3.4	5.0	5.0	5.0
175°	1.7	1.7	3.4	3.4	1.7
177.5°	1.7	1.7	1.7	1.7	1.7
180°	1.7	1.7	1.7	1.7	1.7

(END OF REPORT)