

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: P565636

Luminaire Tested: **2SNX-25SL-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565636
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-25SL-UNV-L840-CD
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

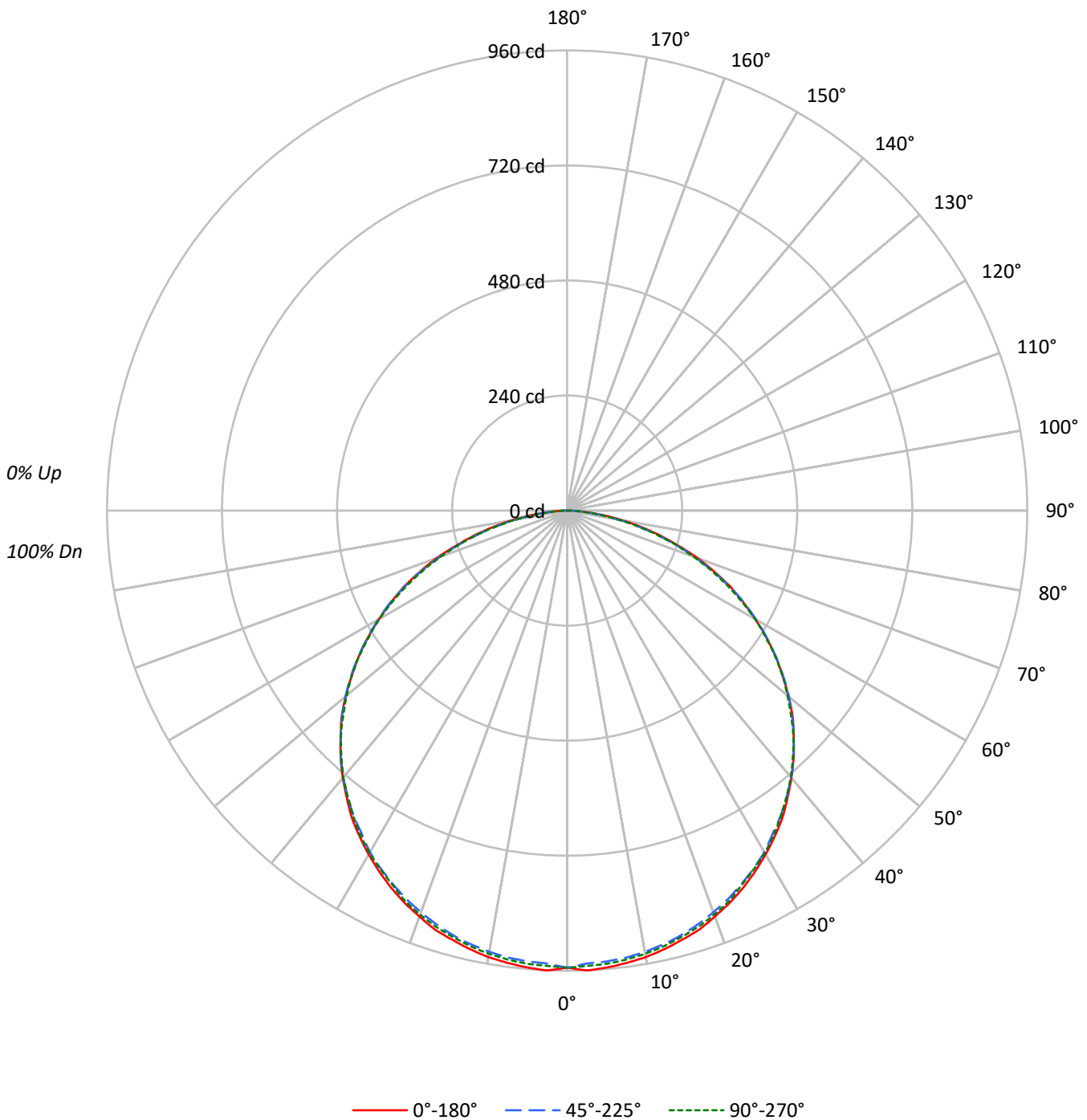
Lumens per Lamp: N/A
Luminaire Lumens: 2851.0 lumens
Efficiency: N/A
Efficacy: 162.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 17.5
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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20527	20527	20527
5°	20679	20402	20512
10°	20675	20432	20524
15°	20658	20449	20524
20°	20646	20431	20547
25°	20632	20428	20471
30°	20590	20463	20506
35°	20575	20417	20438
40°	20459	20433	20411
45°	20337	20362	20337
50°	20189	20246	20102
55°	19922	19986	19889
60°	19530	19603	19491
65°	19133	19000	18741
70°	18191	17813	17593
75°	16619	16045	16120
80°	14356	13290	13612
85°	10794	10374	9312



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.5	3.2
10°-20°	260.6	9.1
20°-30°	398.8	14.0
30°-40°	487.6	17.1
40°-50°	515.8	18.1
50°-60°	475.2	16.7
60°-70°	366.2	12.8
70°-80°	205.2	7.2
80°-90°	51.0	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	749.9	26.3
0°-40°	1237.5	43.4
0°-60°	2228.6	78.2
0°-90°	2851.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2851.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	954	954	954	954	954	
5°	957	954	944	954	949	91
15°	927	925	918	925	921	262
25°	869	867	860	867	862	400
35°	783	781	777	779	778	489
45°	668	670	669	668	668	516
55°	531	535	532	532	530	474
65°	376	376	373	364	368	369
75°	200	197	193	186	194	212
85°	44	41	42	42	38	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	953.5	953.5	953.5	953.5	953.5
2.5°	960.4	956.1	945.8	955.2	950.9
5°	956.9	953.5	944.1	953.5	949.2
7.5°	951.8	949.2	940.7	949.2	944.9
10°	945.8	943.2	934.7	943.2	938.9
12.5°	937.2	935.5	926.9	935.5	931.2
15°	926.9	925.2	917.5	925.2	920.9
17.5°	916.6	913.2	905.5	914.1	910.6
20°	901.2	899.5	891.8	899.5	896.9
22.5°	885.8	884.1	877.2	884.1	882.3
25°	868.6	866.9	860.0	866.9	861.8
27.5°	848.9	849.8	842.0	846.3	843.8
30°	828.3	828.3	823.2	824.9	824.9
32.5°	806.0	806.0	798.3	803.5	802.6
35°	782.9	781.2	776.9	779.4	777.7
37.5°	755.4	754.6	752.0	753.7	752.0
40°	728.0	728.9	727.1	726.3	726.3
42.5°	699.7	701.4	698.8	698.0	697.1
45°	668.0	670.5	668.8	668.0	668.0
47.5°	638.8	639.7	637.1	636.2	633.7
50°	602.8	606.2	604.5	602.8	600.2
52.5°	566.8	571.9	568.5	566.8	566.8
55°	530.8	535.1	532.5	532.5	529.9
57.5°	493.0	497.3	493.9	493.9	490.5
60°	453.6	457.9	455.3	452.7	452.7
62.5°	414.2	417.6	416.7	412.4	409.9
65°	375.6	375.6	373.0	363.6	367.9
67.5°	331.8	331.0	327.6	318.1	324.1
70°	289.0	289.0	283.0	271.8	279.5
72.5°	242.7	245.2	237.5	229.8	237.5
75°	199.8	197.2	192.9	186.1	193.8
77.5°	158.6	154.3	149.2	145.8	150.1
80°	115.8	113.2	107.2	107.2	109.8
82.5°	78.9	76.3	72.0	72.9	69.5
85°	43.7	41.2	42.0	42.0	37.7
87.5°	18.0	18.0	18.0	16.3	14.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)