

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: P566128

Luminaire Tested: **4SNX-20SL-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566128
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: 4SNX-20SL-UNV-L840-CD
Description: 4FT 2000 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

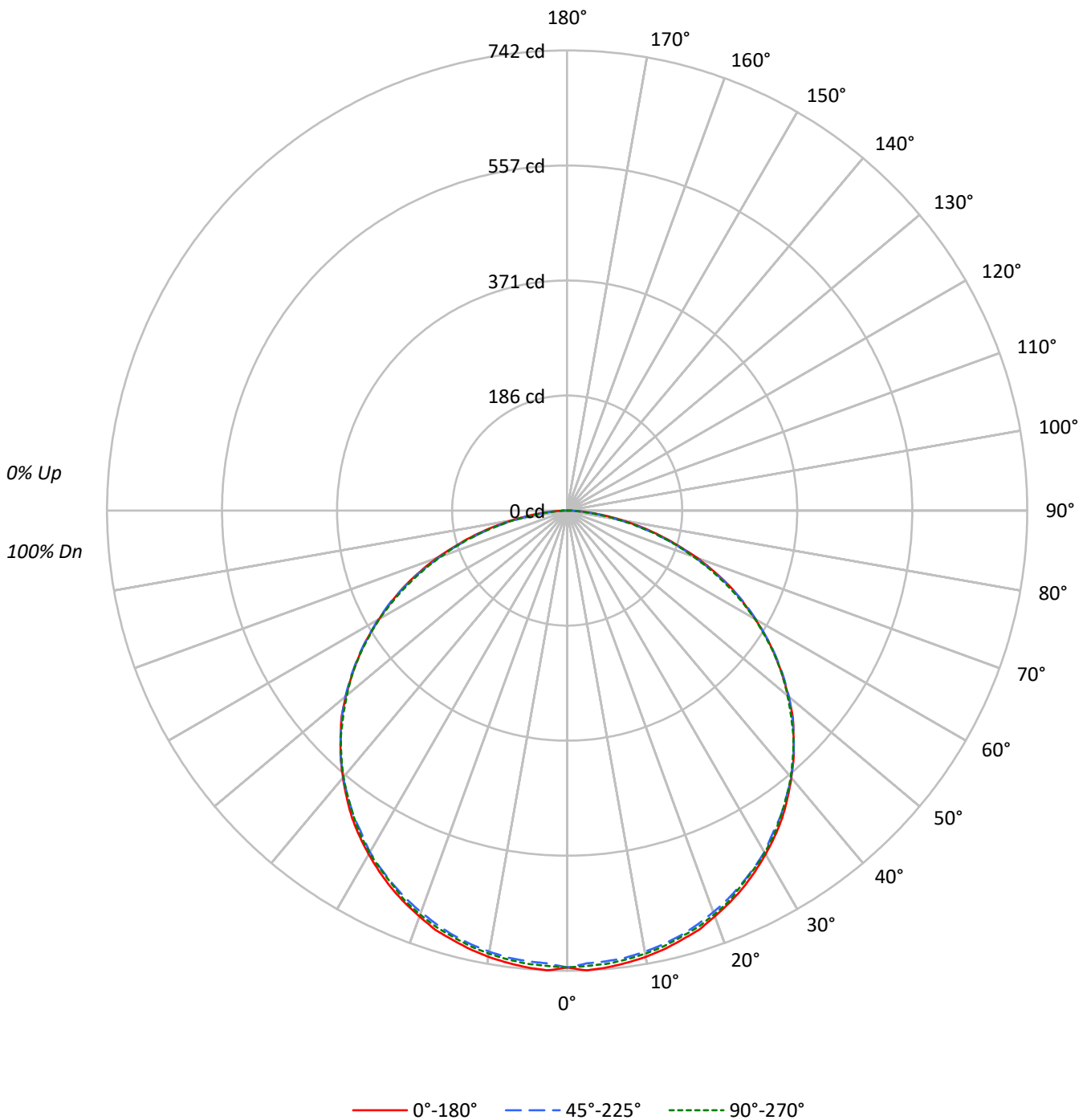
Lumens per Lamp: N/A
Luminaire Lumens: 2203.0 lumens
Efficiency: N/A
Efficacy: 182.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 12.1
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7931	7931	7931
5°	7989	7882	7925
10°	7988	7894	7930
15°	7982	7901	7930
20°	7977	7893	7939
25°	7972	7893	7909
30°	7956	7906	7922
35°	7949	7888	7897
40°	7904	7895	7886
45°	7858	7867	7858
50°	7800	7822	7767
55°	7696	7722	7685
60°	7546	7573	7530
65°	7391	7340	7238
70°	7028	6883	6798
75°	6421	6201	6226
80°	5542	5133	5256
85°	4174	4014	3606



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.9	3.2
10°-20°	201.4	9.1
20°-30°	308.2	14.0
30°-40°	376.8	17.1
40°-50°	398.6	18.1
50°-60°	367.2	16.7
60°-70°	283.0	12.8
70°-80°	158.6	7.2
80°-90°	39.4	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°	579.5	26.3
0°-40°	956.3	43.4
0°-60°	1722.1	78.2
0°-90°	2203.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2203.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	737	737	737	737	737	
5°	739	737	730	737	734	70
15°	716	715	709	715	712	202
25°	671	670	665	670	666	309
35°	605	604	600	602	601	378
45°	516	518	517	516	516	399
55°	410	414	412	412	410	366
65°	290	290	288	281	284	285
75°	154	152	149	144	150	164
85°	34	32	32	32	29	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	736.8	736.8	736.8	736.8	736.8
2.5°	742.1	738.8	730.8	738.1	734.8
5°	739.4	736.8	729.5	736.8	733.5
7.5°	735.5	733.5	726.9	733.5	730.2
10°	730.8	728.8	722.2	728.8	725.5
12.5°	724.2	722.9	716.3	722.9	719.6
15°	716.3	714.9	709.0	714.9	711.6
17.5°	708.3	705.7	699.7	706.3	703.7
20°	696.4	695.0	689.1	695.0	693.1
22.5°	684.4	683.1	677.8	683.1	681.8
25°	671.2	669.9	664.6	669.9	665.9
27.5°	656.0	656.6	650.7	654.0	652.0
30°	640.1	640.1	636.1	637.4	637.4
32.5°	622.8	622.8	616.9	620.8	620.2
35°	604.9	603.6	600.3	602.3	601.0
37.5°	583.7	583.1	581.1	582.4	581.1
40°	562.5	563.2	561.9	561.2	561.2
42.5°	540.7	542.0	540.0	539.3	538.7
45°	516.2	518.1	516.8	516.2	516.2
47.5°	493.6	494.3	492.3	491.6	489.6
50°	465.8	468.4	467.1	465.8	463.8
52.5°	438.0	441.9	439.3	438.0	438.0
55°	410.1	413.5	411.5	411.5	409.5
57.5°	381.0	384.3	381.6	381.6	379.0
60°	350.5	353.8	351.8	349.8	349.8
62.5°	320.0	322.7	322.0	318.7	316.7
65°	290.2	290.2	288.2	280.9	284.2
67.5°	256.4	255.8	253.1	245.8	250.5
70°	223.3	223.3	218.7	210.0	216.0
72.5°	187.5	189.5	183.5	177.6	183.5
75°	154.4	152.4	149.1	143.8	149.7
77.5°	122.6	119.3	115.3	112.6	116.0
80°	89.4	87.5	82.8	82.8	84.8
82.5°	61.0	59.0	55.7	56.3	53.7
85°	33.8	31.8	32.5	32.5	29.2
87.5°	13.9	13.9	13.9	12.6	11.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)