

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: P567724

Luminaire Tested: **8SNX-200HL-UNV-L840-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567724  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-200HL-UNV-L840-CD  
Description: 8FT 20000 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

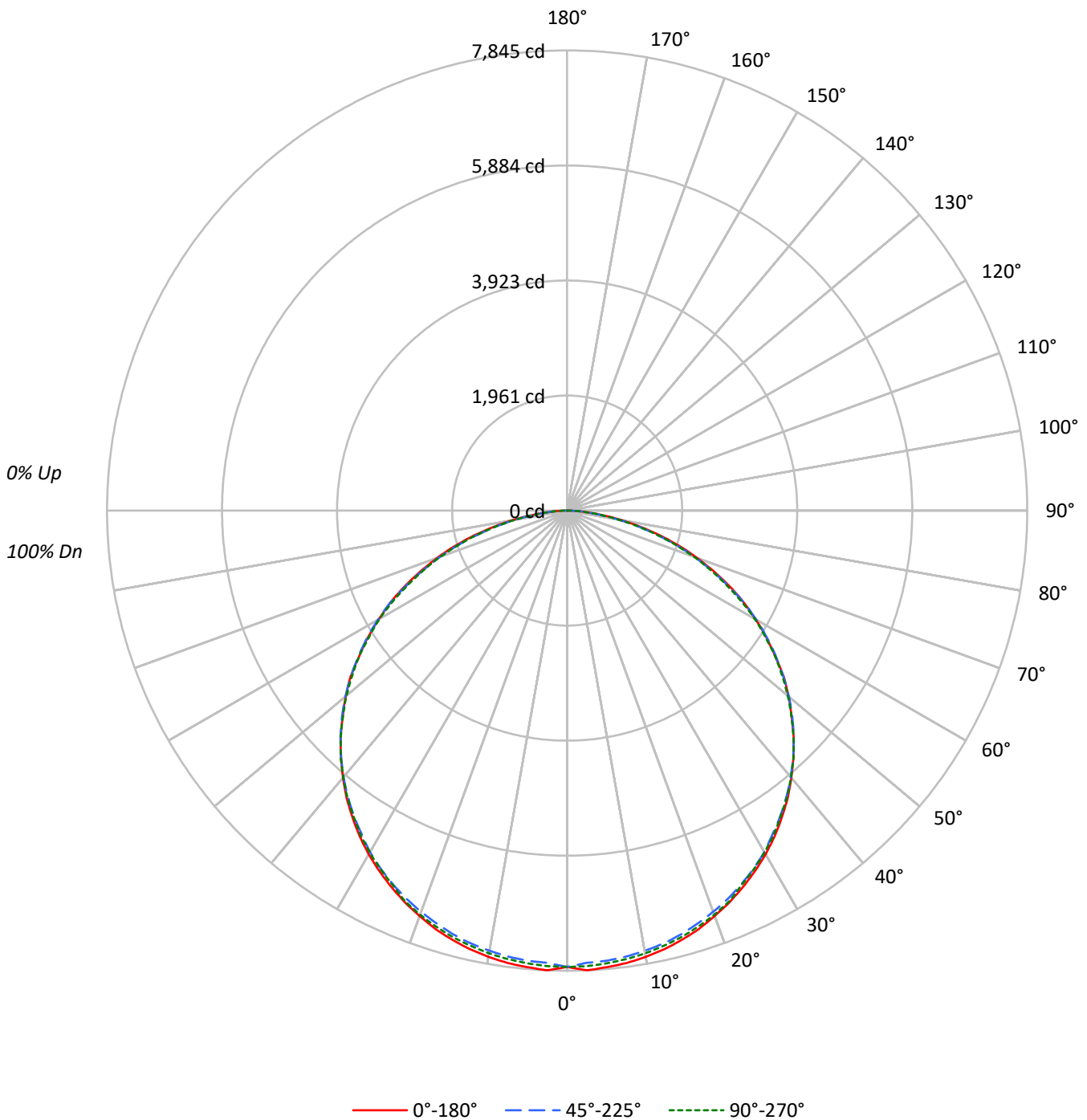
Lumens per Lamp: N/A  
Luminaire Lumens: 23286.0 lumens  
Efficiency: N/A  
Efficacy: 160.6 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')  
CIE Type: Direct

Input Watts (W): 145  
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°	41867	41867	41867
5°	42204	41617	41866
10°	42225	41649	41883
15°	42206	41693	41931
20°	42121	41688	41989
25°	42070	41738	41815
30°	42042	41776	41817
35°	41939	41679	41744
40°	41770	41678	41701
45°	41544	41619	41544
50°	41263	41345	41125
55°	40620	40836	40620
60°	39935	40113	39759
65°	38947	38486	38067
70°	37091	36262	36158
75°	34227	32585	32722
80°	29283	27448	27956
85°	21749	21347	19921



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	738.2	3.2
10°-20°	2127.1	9.1
20°-30°	3256.4	14.0
30°-40°	3983.5	17.1
40°-50°	4213.3	18.1
50°-60°	3882.1	16.7
60°-70°	2987.9	12.8
70°-80°	1678.7	7.2
80°-90°	418.8	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°	6121.8	26.3
0°-40°	10105.3	43.4
0°-60°	18200.7	78.2
0°-90°	23286.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23286.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7779	7779	7779	7779	7779	
5°	7812	7789	7703	7772	7749	743
15°	7575	7555	7483	7549	7526	2138
25°	7084	7078	7028	7078	7042	3268
35°	6383	6373	6344	6373	6354	3994
45°	5458	5475	5468	5455	5458	4209
55°	4329	4368	4352	4339	4329	3877
65°	3058	3065	3022	2979	2989	3017
75°	1646	1620	1567	1544	1574	1734
85°	352	346	346	336	323	435
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	7779.1	7779.1	7779.1	7779.1	7779.1
2.5°	7844.9	7802.1	7716.5	7792.2	7772.5
5°	7812.0	7788.9	7703.3	7772.5	7749.4
7.5°	7779.1	7752.7	7670.4	7746.1	7713.2
10°	7726.4	7703.3	7621.0	7693.5	7663.8
12.5°	7657.3	7637.5	7561.8	7630.9	7601.3
15°	7575.0	7555.2	7482.8	7548.6	7525.6
17.5°	7476.2	7453.1	7384.0	7453.1	7436.7
20°	7354.4	7341.2	7278.7	7341.2	7331.3
22.5°	7229.3	7212.8	7163.4	7209.5	7212.8
25°	7084.4	7077.9	7028.5	7077.9	7041.6
27.5°	6933.0	6933.0	6883.6	6916.5	6893.5
30°	6765.1	6761.8	6722.3	6738.8	6728.9
32.5°	6584.1	6580.8	6528.1	6570.9	6554.4
35°	6383.2	6373.4	6343.7	6373.4	6353.6
37.5°	6175.8	6166.0	6142.9	6159.4	6156.1
40°	5945.4	5945.4	5932.2	5945.4	5935.5
42.5°	5708.4	5718.3	5701.8	5715.0	5715.0
45°	5458.2	5474.6	5468.1	5454.9	5458.2
47.5°	5191.5	5221.2	5204.7	5201.4	5184.9
50°	4928.2	4954.5	4938.0	4921.6	4911.7
52.5°	4654.9	4668.1	4648.3	4641.8	4618.7
55°	4329.0	4368.5	4352.1	4338.9	4329.0
57.5°	4029.4	4059.1	4045.9	4019.6	4003.1
60°	3710.1	3733.2	3726.6	3696.9	3693.7
62.5°	3397.4	3404.0	3397.4	3344.7	3348.0
65°	3058.3	3064.9	3022.1	2979.3	2989.2
67.5°	2702.8	2722.5	2663.2	2600.7	2643.5
70°	2357.1	2350.5	2304.4	2235.3	2297.8
72.5°	2001.6	1995.0	1942.3	1892.9	1935.7
75°	1646.0	1619.7	1567.0	1544.0	1573.6
77.5°	1277.3	1247.7	1224.6	1208.2	1221.3
80°	944.8	905.3	885.6	872.4	902.0
82.5°	628.8	599.1	589.3	599.1	592.6
85°	352.2	345.7	345.7	335.8	322.6
87.5°	144.8	151.4	154.7	151.4	144.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)