

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: P567722

Luminaire Tested: **8SNX-200HL-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567722  
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-L830-CD  
Description: 8FT 20000 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

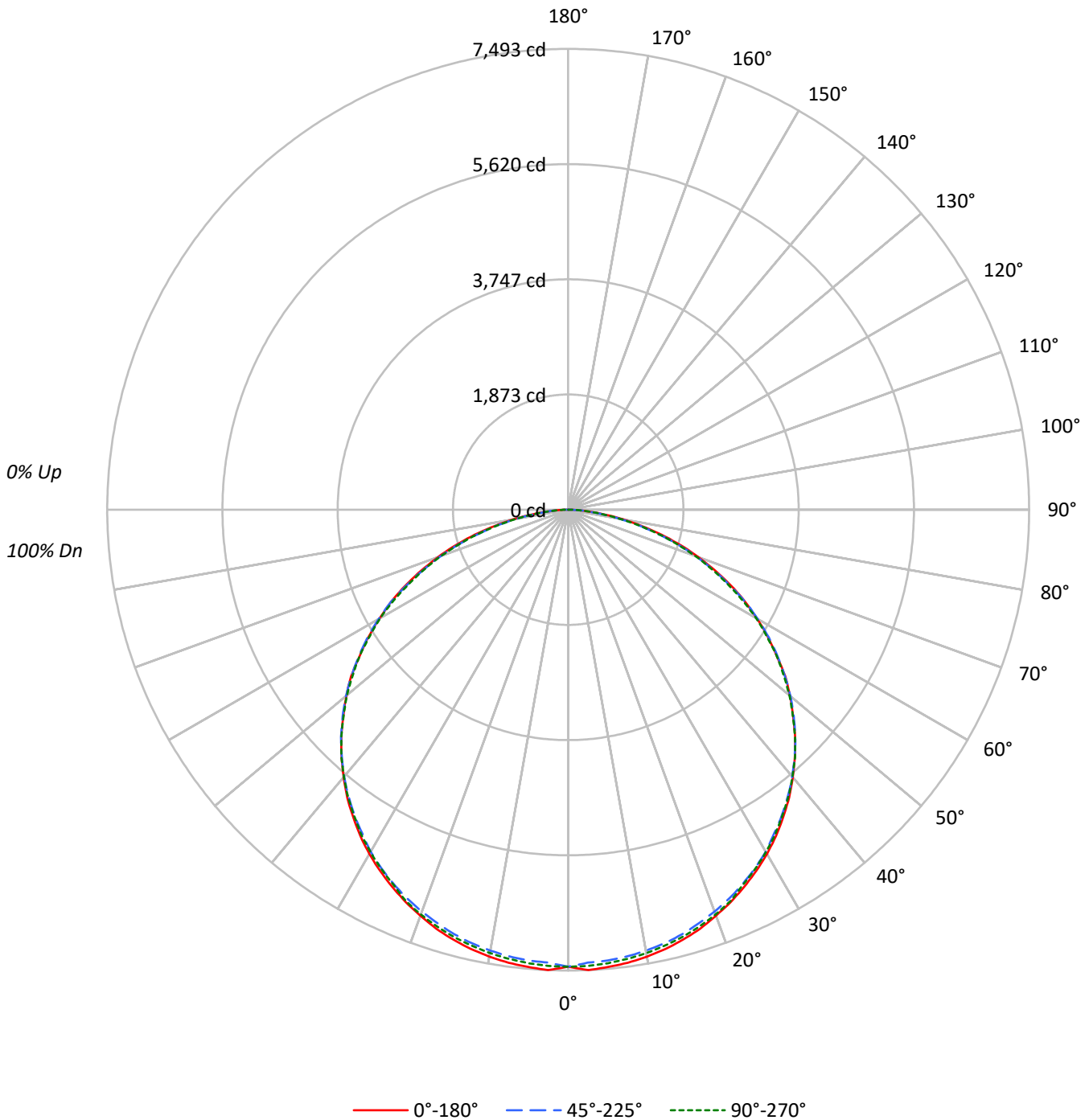
Lumens per Lamp: N/A  
Luminaire Lumens: 22242.0 lumens  
Efficiency: N/A  
Efficacy: 153.4 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')  
CIE Type: Direct

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°	39990	39990	39990
5°	40312	39752	39989
10°	40332	39782	40005
15°	40314	39823	40051
20°	40233	39818	40107
25°	40184	39866	39941
30°	40157	39903	39942
35°	40059	39811	39873
40°	39897	39809	39831
45°	39681	39753	39681
50°	39413	39491	39281
55°	38798	39005	38798
60°	38145	38314	37976
65°	37201	36760	36359
70°	35428	34636	34537
75°	32693	31123	31254
80°	27972	26217	26704
85°	20779	20390	19032



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	705.1	3.2
10°-20°	2031.8	9.1
20°-30°	3110.4	14.0
30°-40°	3804.9	17.1
40°-50°	4024.4	18.1
50°-60°	3708.1	16.7
60°-70°	2853.9	12.8
70°-80°	1603.4	7.2
80°-90°	400.0	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°	5847.3	26.3
0°-40°	9652.2	43.4
0°-60°	17384.7	78.2
0°-90°	22242.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22242.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7430	7430	7430	7430	7430	
5°	7462	7440	7358	7424	7402	710
15°	7235	7216	7147	7210	7188	2042
25°	6767	6760	6713	6760	6726	3121
35°	6097	6088	6059	6088	6069	3815
45°	5214	5229	5223	5210	5214	4020
55°	4135	4173	4157	4144	4135	3703
65°	2921	2928	2887	2846	2855	2882
75°	1572	1547	1497	1475	1503	1656
85°	336	330	330	321	308	415
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	7430.3	7430.3	7430.3	7430.3	7430.3
2.5°	7493.2	7452.3	7370.5	7442.9	7424.0
5°	7461.7	7439.7	7358.0	7424.0	7402.0
7.5°	7430.3	7405.1	7326.5	7398.8	7367.4
10°	7380.0	7358.0	7279.4	7348.5	7320.2
12.5°	7314.0	7295.1	7222.8	7288.8	7260.5
15°	7235.3	7216.5	7147.3	7210.2	7188.2
17.5°	7141.0	7119.0	7053.0	7119.0	7103.3
20°	7024.7	7012.1	6952.3	7012.1	7002.7
22.5°	6905.2	6889.5	6842.3	6886.3	6889.5
25°	6766.8	6760.5	6713.4	6760.5	6725.9
27.5°	6622.2	6622.2	6575.0	6606.5	6584.4
30°	6461.8	6458.7	6420.9	6436.7	6427.2
32.5°	6288.9	6285.7	6235.4	6276.3	6260.6
35°	6097.1	6087.6	6059.3	6087.6	6068.8
37.5°	5899.0	5889.5	5867.5	5883.2	5880.1
40°	5678.8	5678.8	5666.3	5678.8	5669.4
42.5°	5452.4	5461.9	5446.2	5458.7	5458.7
45°	5213.5	5229.2	5222.9	5210.3	5213.5
47.5°	4958.8	4987.1	4971.3	4968.2	4952.5
50°	4707.2	4732.4	4716.6	4700.9	4691.5
52.5°	4446.2	4458.8	4439.9	4433.6	4411.6
55°	4134.9	4172.7	4156.9	4144.4	4134.9
57.5°	3848.8	3877.1	3864.5	3839.4	3823.6
60°	3543.8	3565.8	3559.5	3531.2	3528.1
62.5°	3245.1	3251.3	3245.1	3194.7	3197.9
65°	2921.2	2927.5	2886.6	2845.7	2855.1
67.5°	2581.6	2600.4	2543.8	2484.1	2525.0
70°	2251.4	2245.1	2201.1	2135.1	2194.8
72.5°	1911.8	1905.5	1855.2	1808.0	1848.9
75°	1572.2	1547.1	1496.7	1474.7	1503.0
77.5°	1220.0	1191.7	1169.7	1154.0	1166.6
80°	902.5	864.7	845.9	833.3	861.6
82.5°	600.6	572.3	562.9	572.3	566.0
85°	336.5	330.2	330.2	320.7	308.2
87.5°	138.4	144.6	147.8	144.6	138.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)