

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: P567629

Luminaire Tested: **8SNX-180HL-UNV-L850-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567629  
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-180HL-UNV-L850-CD  
Description: 8FT 18000 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

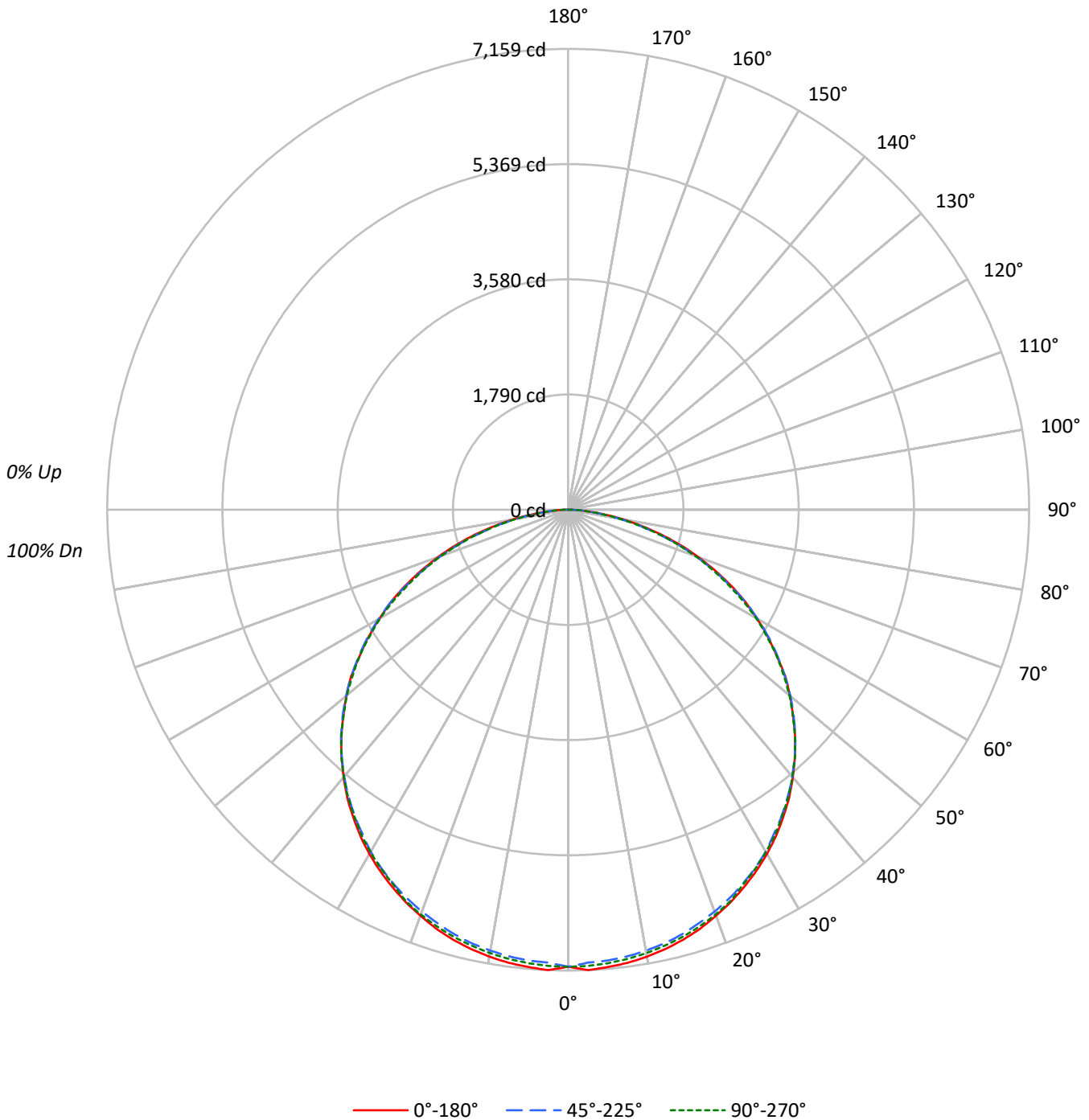
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21251.0 lumens  
Efficiency: N/A  
Efficacy: 165.0 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): 128.8  
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°	38208	38208	38208
5°	38516	37980	38208
10°	38535	38009	38223
15°	38518	38049	38267
20°	38440	38045	38319
25°	38393	38090	38162
30°	38368	38125	38163
35°	38274	38037	38096
40°	38120	38035	38057
45°	37913	37982	37913
50°	37657	37732	37531
55°	37070	37267	37070
60°	36446	36607	36284
65°	35543	35123	34739
70°	33849	33092	32998
75°	31237	29738	29863
80°	26723	25049	25514
85°	19853	19482	18180



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	673.7	3.2
10°-20°	1941.2	9.1
20°-30°	2971.8	14.0
30°-40°	3635.4	17.1
40°-50°	3845.1	18.1
50°-60°	3542.8	16.7
60°-70°	2726.8	12.8
70°-80°	1532.0	7.2
80°-90°	382.2	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°	5586.8	26.3
0°-40°	9222.1	43.4
0°-60°	16610.1	78.2
0°-90°	21251.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	21251.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7099	7099	7099	7099	7099	
5°	7129	7108	7030	7093	7072	678
15°	6913	6895	6829	6889	6868	1951
25°	6465	6459	6414	6459	6426	2982
35°	5825	5816	5789	5816	5798	3645
45°	4981	4996	4990	4978	4981	3841
55°	3951	3987	3972	3960	3951	3538
65°	2791	2797	2758	2719	2728	2753
75°	1502	1478	1430	1409	1436	1582
85°	322	316	316	306	294	397
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	7099.2	7099.2	7099.2	7099.2	7099.2
2.5°	7159.3	7120.3	7042.2	7111.3	7093.2
5°	7129.3	7108.2	7030.1	7093.2	7072.2
7.5°	7099.2	7075.2	7000.1	7069.2	7039.1
10°	7051.2	7030.1	6955.0	7021.1	6994.1
12.5°	6988.1	6970.0	6900.9	6964.0	6937.0
15°	6913.0	6894.9	6828.8	6888.9	6867.9
17.5°	6822.8	6801.8	6738.7	6801.8	6786.8
20°	6711.7	6699.7	6642.6	6699.7	6690.6
22.5°	6597.5	6582.5	6537.4	6579.5	6582.5
25°	6465.3	6459.3	6414.2	6459.3	6426.3
27.5°	6327.1	6327.1	6282.1	6312.1	6291.1
30°	6173.9	6170.9	6134.8	6149.9	6140.9
32.5°	6008.7	6005.7	5957.6	5996.6	5981.6
35°	5825.4	5816.4	5789.3	5816.4	5798.4
37.5°	5636.1	5627.1	5606.1	5621.1	5618.1
40°	5425.8	5425.8	5413.8	5425.8	5416.8
42.5°	5209.5	5218.5	5203.5	5215.5	5215.5
45°	4981.2	4996.2	4990.2	4978.2	4981.2
47.5°	4737.8	4764.9	4749.8	4746.8	4731.8
50°	4497.5	4521.5	4506.5	4491.5	4482.5
52.5°	4248.1	4260.1	4242.1	4236.1	4215.1
55°	3950.7	3986.7	3971.7	3959.7	3950.7
57.5°	3677.3	3704.3	3692.3	3668.3	3653.3
60°	3385.9	3406.9	3400.9	3373.9	3370.9
62.5°	3100.5	3106.5	3100.5	3052.4	3055.4
65°	2791.0	2797.0	2758.0	2718.9	2727.9
67.5°	2466.6	2484.6	2430.5	2373.4	2412.5
70°	2151.1	2145.1	2103.0	2039.9	2097.0
72.5°	1826.6	1820.6	1772.6	1727.5	1766.5
75°	1502.2	1478.1	1430.1	1409.0	1436.1
77.5°	1165.7	1138.6	1117.6	1102.6	1114.6
80°	862.2	826.2	808.2	796.1	823.2
82.5°	573.8	546.8	537.8	546.8	540.8
85°	321.5	315.5	315.5	306.4	294.4
87.5°	132.2	138.2	141.2	138.2	132.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)