

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: P567630

Luminaire Tested: **8SNX-180HL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567630
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-L930-CD
Description: 8FT 18000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

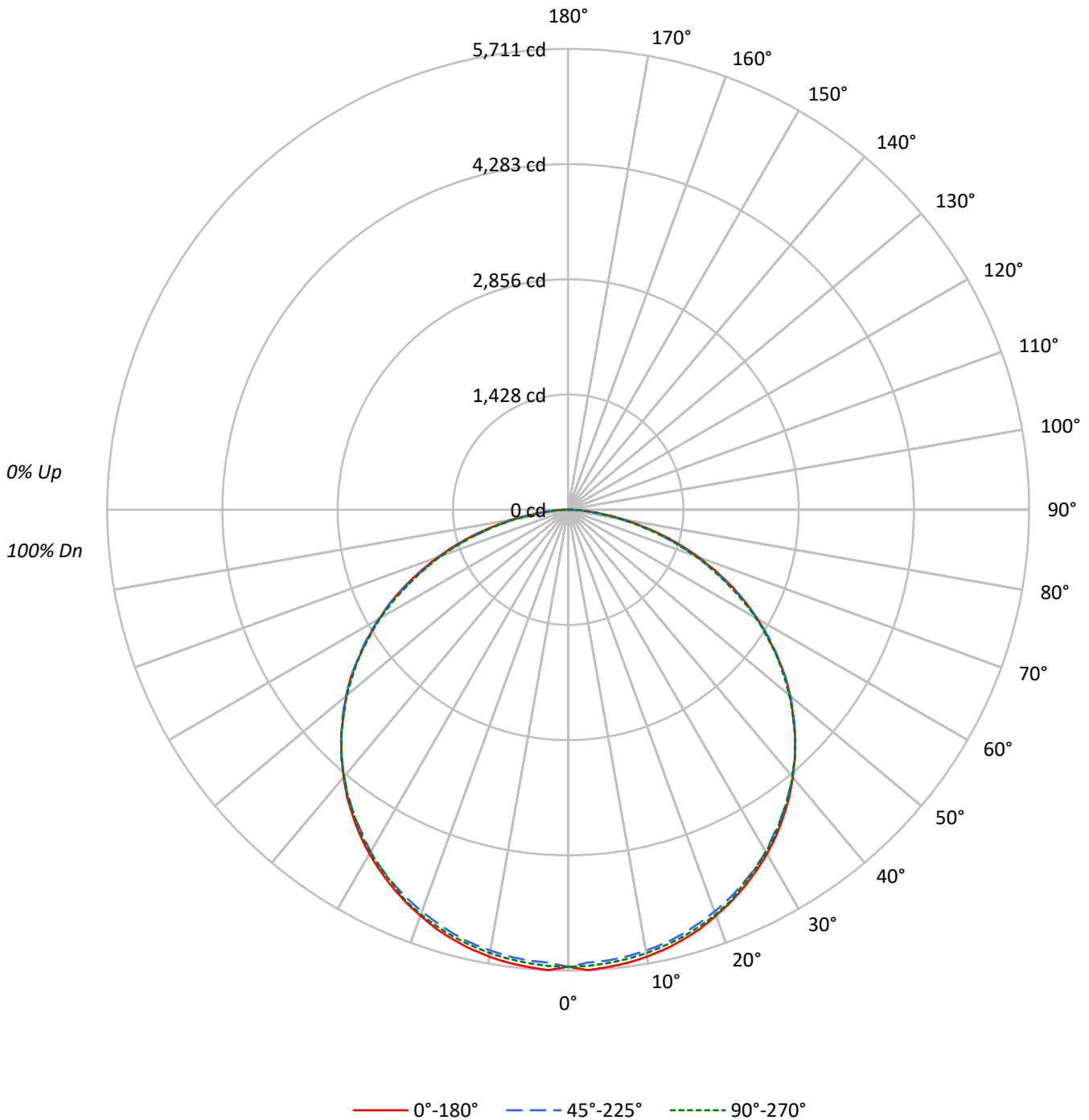
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16952.0 lumens
Efficiency: N/A
Efficacy: 131.6 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): 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°	30479	30479	30479
5°	30725	30297	30478
10°	30739	30320	30490
15°	30726	30352	30525
20°	30664	30348	30568
25°	30626	30385	30442
30°	30606	30413	30443
35°	30531	30342	30390
40°	30408	30341	30358
45°	30243	30298	30243
50°	30039	30099	29939
55°	29571	29729	29571
60°	29072	29201	28943
65°	28353	28017	27712
70°	27001	26398	26323
75°	24918	23722	23822
80°	21317	19981	20353
85°	15833	15537	14505



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	537.4	3.2
10°-20°	1548.5	9.1
20°-30°	2370.6	14.0
30°-40°	2900.0	17.1
40°-50°	3067.2	18.1
50°-60°	2826.2	16.7
60°-70°	2175.2	12.8
70°-80°	1222.0	7.2
80°-90°	304.8	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°	4456.6	26.3
0°-40°	7356.5	43.4
0°-60°	13249.9	78.2
0°-90°	16952.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16952.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5663	5663	5663	5663	5663	
5°	5687	5670	5608	5658	5642	541
15°	5514	5500	5447	5495	5478	1557
25°	5157	5153	5117	5153	5126	2379
35°	4647	4640	4618	4640	4625	2908
45°	3974	3986	3981	3971	3974	3064
55°	3152	3180	3168	3159	3152	2822
65°	2226	2231	2200	2169	2176	2196
75°	1198	1179	1141	1124	1146	1262
85°	256	252	252	244	235	316
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5663.1	5663.1	5663.1	5663.1	5663.1
2.5°	5711.0	5679.9	5617.6	5672.7	5658.3
5°	5687.1	5670.3	5608.0	5658.3	5641.5
7.5°	5663.1	5643.9	5584.0	5639.1	5615.2
10°	5624.7	5608.0	5548.1	5600.8	5579.2
12.5°	5574.4	5560.0	5504.9	5555.2	5533.7
15°	5514.5	5500.1	5447.4	5495.3	5478.5
17.5°	5442.6	5425.8	5375.5	5425.8	5413.8
20°	5353.9	5344.3	5298.8	5344.3	5337.2
22.5°	5262.9	5250.9	5214.9	5248.5	5250.9
25°	5157.4	5152.6	5116.7	5152.6	5126.3
27.5°	5047.2	5047.2	5011.2	5035.2	5018.4
30°	4924.9	4922.5	4893.8	4905.8	4898.6
32.5°	4793.1	4790.7	4752.4	4783.5	4771.6
35°	4646.9	4639.8	4618.2	4639.8	4625.4
37.5°	4496.0	4488.8	4472.0	4484.0	4481.6
40°	4328.2	4328.2	4318.6	4328.2	4321.0
42.5°	4155.6	4162.8	4150.9	4160.4	4160.4
45°	3973.5	3985.5	3980.7	3971.1	3973.5
47.5°	3779.4	3801.0	3789.0	3786.6	3774.6
50°	3587.7	3606.8	3594.8	3582.9	3575.7
52.5°	3388.7	3398.3	3384.0	3379.2	3362.4
55°	3151.5	3180.2	3168.3	3158.7	3151.5
57.5°	2933.4	2955.0	2945.4	2926.2	2914.2
60°	2700.9	2717.7	2712.9	2691.3	2688.9
62.5°	2473.3	2478.0	2473.3	2434.9	2437.3
65°	2226.4	2231.2	2200.0	2168.9	2176.1
67.5°	1967.6	1982.0	1938.8	1893.3	1924.4
70°	1715.9	1711.1	1677.6	1627.3	1672.8
72.5°	1457.1	1452.3	1414.0	1378.0	1409.2
75°	1198.3	1179.1	1140.8	1124.0	1145.6
77.5°	929.9	908.3	891.5	879.5	889.1
80°	687.8	659.1	644.7	635.1	656.7
82.5°	457.7	436.2	429.0	436.2	431.4
85°	256.4	251.6	251.6	244.4	234.9
87.5°	105.4	110.2	112.6	110.2	105.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)