

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: P567626

Luminaire Tested: **8SNX-180HL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567626
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-L830-CD
Description: 8FT 18000 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

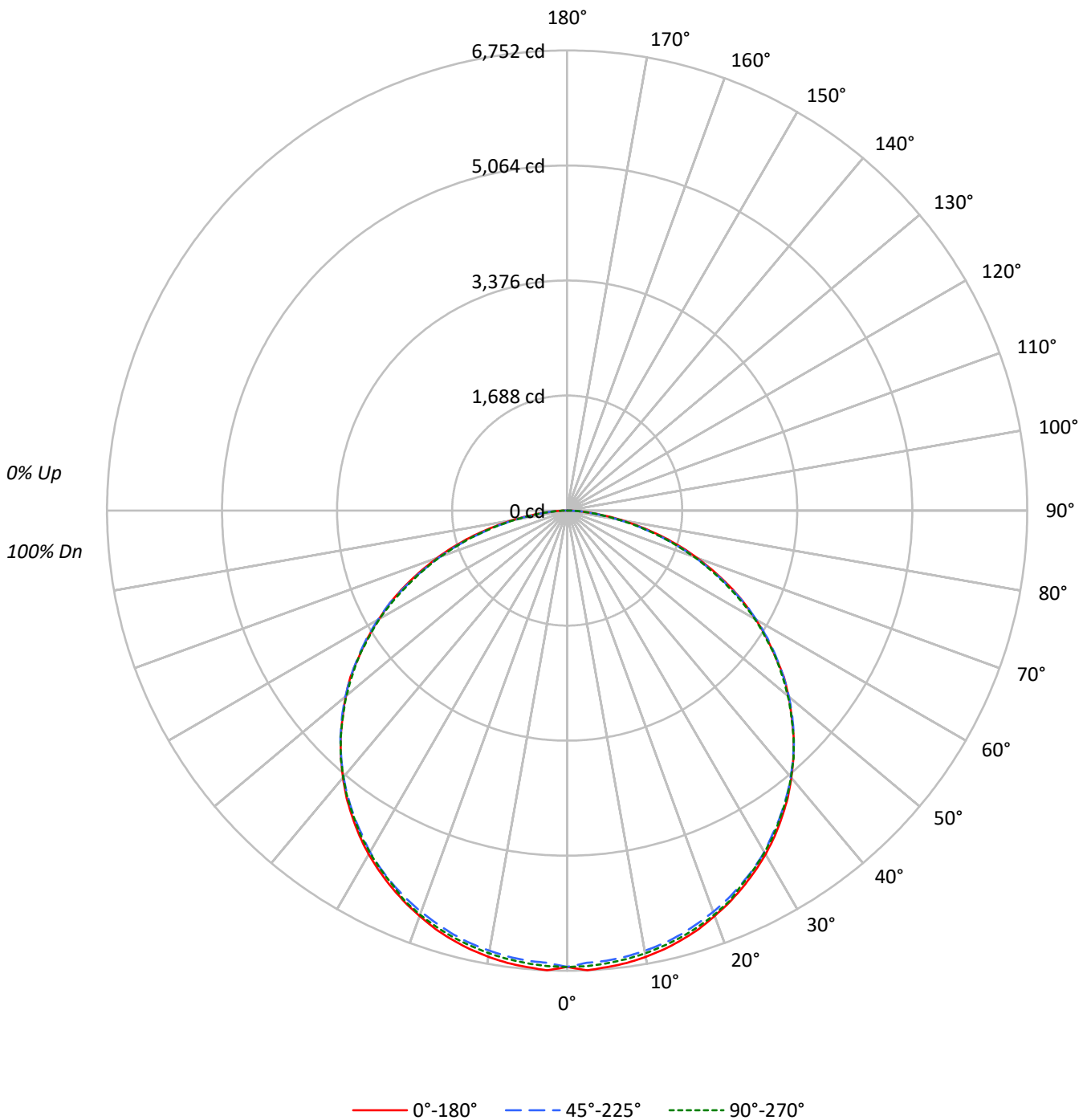
Lumens per Lamp: N/A
Luminaire Lumens: 20042.0 lumens
Efficiency: N/A
Efficacy: 155.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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	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°	36034	36034	36034
5°	36325	35820	36034
10°	36342	35846	36048
15°	36327	35884	36090
20°	36253	35880	36140
25°	36209	35923	35990
30°	36185	35956	35992
35°	36096	35873	35929
40°	35951	35872	35891
45°	35756	35821	35756
50°	35514	35585	35395
55°	34961	35147	34961
60°	34372	34524	34220
65°	33521	33124	32763
70°	31923	31210	31121
75°	29459	28045	28164
80°	25204	23623	24063
85°	18723	18371	17148



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	635.4	3.2
10°-20°	1830.8	9.1
20°-30°	2802.7	14.0
30°-40°	3428.6	17.1
40°-50°	3626.3	18.1
50°-60°	3341.3	16.7
60°-70°	2571.6	12.8
70°-80°	1444.8	7.2
80°-90°	360.4	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°	5268.9	26.3
0°-40°	8697.5	43.4
0°-60°	15665.1	78.2
0°-90°	20042.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	20042.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6695	6695	6695	6695	6695	
5°	6724	6704	6630	6690	6670	640
15°	6520	6503	6440	6497	6477	1840
25°	6098	6092	6049	6092	6061	2812
35°	5494	5486	5460	5486	5468	3438
45°	4698	4712	4706	4695	4698	3623
55°	3726	3760	3746	3734	3726	3337
65°	2632	2638	2601	2564	2573	2597
75°	1417	1394	1349	1329	1354	1492
85°	303	298	298	289	278	374
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6695.3	6695.3	6695.3	6695.3	6695.3
2.5°	6752.0	6715.2	6641.5	6706.7	6689.7
5°	6723.7	6703.8	6630.2	6689.7	6669.8
7.5°	6695.3	6672.7	6601.8	6667.0	6638.7
10°	6650.0	6630.2	6559.3	6621.7	6596.2
12.5°	6590.5	6573.5	6508.3	6567.8	6542.3
15°	6519.7	6502.7	6440.3	6497.0	6477.2
17.5°	6434.7	6414.8	6355.3	6414.8	6400.7
20°	6329.8	6318.5	6264.7	6318.5	6310.0
22.5°	6222.2	6208.0	6165.5	6205.2	6208.0
25°	6097.5	6091.8	6049.3	6091.8	6060.7
27.5°	5967.2	5967.2	5924.7	5953.0	5933.2
30°	5822.7	5819.8	5785.8	5800.0	5791.5
32.5°	5666.8	5664.0	5618.7	5655.5	5641.3
35°	5494.0	5485.5	5460.0	5485.5	5468.5
37.5°	5315.5	5307.0	5287.1	5301.3	5298.5
40°	5117.1	5117.1	5105.8	5117.1	5108.6
42.5°	4913.1	4921.6	4907.5	4918.8	4918.8
45°	4697.8	4712.0	4706.3	4695.0	4697.8
47.5°	4468.3	4493.8	4479.6	4476.8	4462.6
50°	4241.6	4264.3	4250.1	4235.9	4227.4
52.5°	4006.4	4017.8	4000.8	3995.1	3975.3
55°	3725.9	3759.9	3745.8	3734.4	3725.9
57.5°	3468.1	3493.6	3482.3	3459.6	3445.4
60°	3193.3	3213.1	3207.4	3181.9	3179.1
62.5°	2924.1	2929.7	2924.1	2878.7	2881.6
65°	2632.2	2637.9	2601.1	2564.2	2572.7
67.5°	2326.2	2343.2	2292.2	2238.4	2275.2
70°	2028.7	2023.1	1983.4	1923.9	1977.7
72.5°	1722.7	1717.0	1671.7	1629.2	1666.0
75°	1416.7	1394.0	1348.7	1328.9	1354.4
77.5°	1099.4	1073.9	1054.0	1039.9	1051.2
80°	813.2	779.2	762.2	750.9	776.4
82.5°	541.2	515.7	507.2	515.7	510.0
85°	303.2	297.5	297.5	289.0	277.7
87.5°	124.7	130.3	133.2	130.3	124.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)