

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: P567674

Luminaire Tested: **8SNX-186HL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567674
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-186HL-UNV-L830-CD
Description: 8FT 18600 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

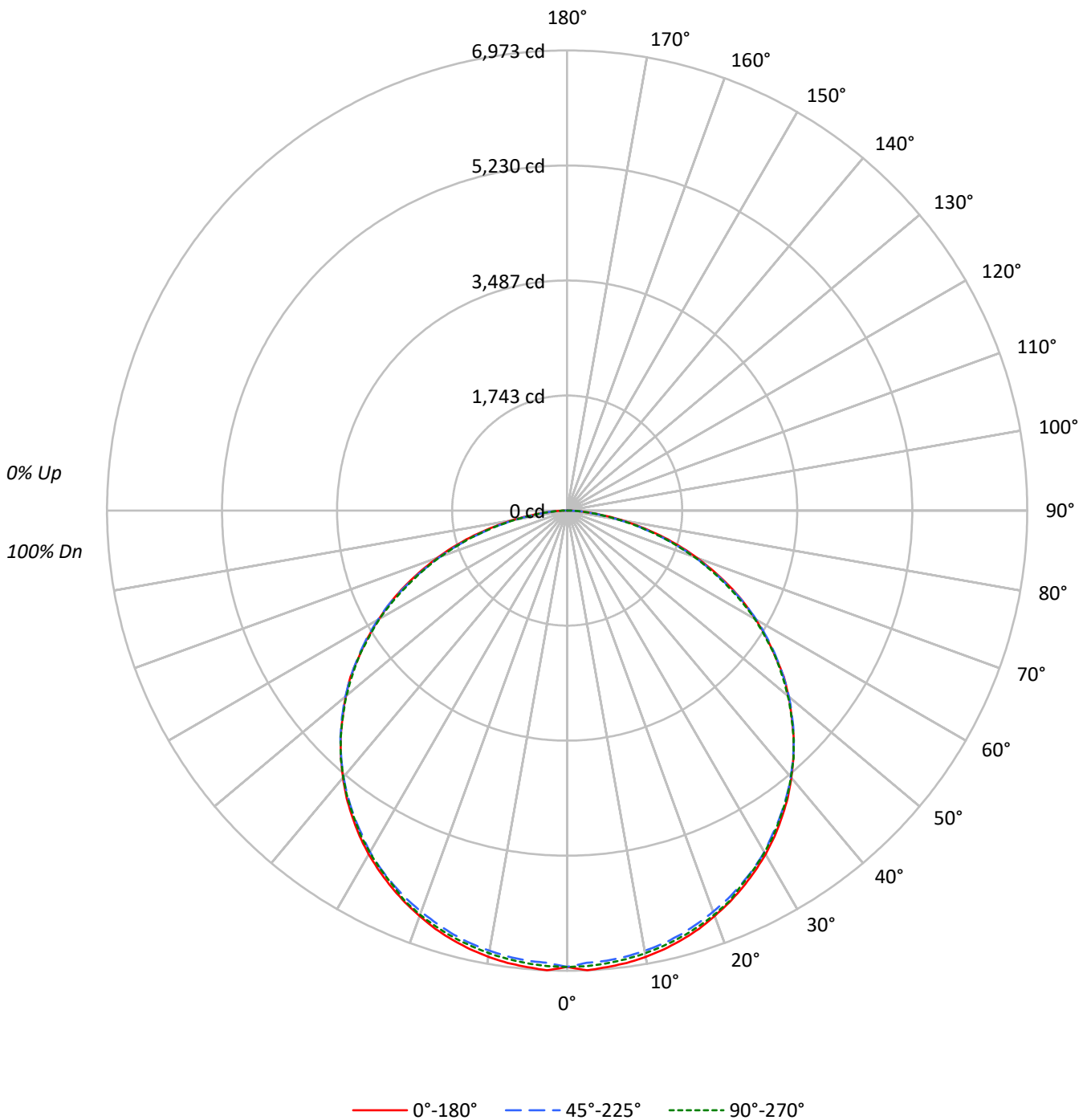
Lumens per Lamp: N/A
Luminaire Lumens: 20697.0 lumens
Efficiency: N/A
Efficacy: 153.5 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 134.8
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°	37212	37212	37212
5°	37512	36990	37211
10°	37530	37018	37226
15°	37513	37057	37269
20°	37438	37053	37321
25°	37392	37097	37166
30°	37368	37131	37168
35°	37276	37045	37103
40°	37126	37044	37065
45°	36924	36991	36924
50°	36675	36748	36552
55°	36104	36296	36104
60°	35495	35652	35338
65°	34617	34207	33834
70°	32966	32230	32139
75°	30422	28962	29083
80°	26028	24395	24847
85°	19334	18970	17704



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	656.2	3.2
10°-20°	1890.6	9.1
20°-30°	2894.3	14.0
30°-40°	3540.6	17.1
40°-50°	3744.8	18.1
50°-60°	3450.5	16.7
60°-70°	2655.7	12.8
70°-80°	1492.0	7.2
80°-90°	372.2	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°	5441.1	26.3
0°-40°	8981.7	43.4
0°-60°	16177.1	78.2
0°-90°	20697.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	20697.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6914	6914	6914	6914	6914	
5°	6943	6923	6847	6908	6888	660
15°	6733	6715	6651	6709	6689	1901
25°	6297	6291	6247	6291	6259	2904
35°	5674	5665	5638	5665	5647	3550
45°	4851	4866	4860	4848	4851	3741
55°	3848	3883	3868	3856	3848	3446
65°	2718	2724	2686	2648	2657	2681
75°	1463	1440	1393	1372	1399	1541
85°	313	307	307	298	287	386
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6914.2	6914.2	6914.2	6914.2	6914.2
2.5°	6972.7	6934.6	6858.6	6925.9	6908.3
5°	6943.4	6922.9	6846.9	6908.3	6887.8
7.5°	6914.2	6890.8	6817.6	6884.9	6855.6
10°	6867.3	6846.9	6773.7	6838.1	6811.8
12.5°	6805.9	6788.3	6721.0	6782.5	6756.2
15°	6732.7	6715.2	6650.8	6709.3	6688.9
17.5°	6645.0	6624.5	6563.0	6624.5	6609.9
20°	6536.7	6525.0	6469.4	6525.0	6516.2
22.5°	6425.5	6410.9	6367.0	6408.0	6410.9
25°	6296.8	6290.9	6247.0	6290.9	6258.7
27.5°	6162.2	6162.2	6118.3	6147.5	6127.1
30°	6013.0	6010.0	5974.9	5989.5	5980.8
32.5°	5852.0	5849.1	5802.3	5840.3	5825.7
35°	5673.5	5664.8	5638.4	5664.8	5647.2
37.5°	5489.2	5480.4	5459.9	5474.6	5471.6
40°	5284.4	5284.4	5272.7	5284.4	5275.6
42.5°	5073.7	5082.5	5067.8	5079.6	5079.6
45°	4851.3	4866.0	4860.1	4848.4	4851.3
47.5°	4614.3	4640.7	4626.0	4623.1	4608.5
50°	4380.2	4403.6	4389.0	4374.4	4365.6
52.5°	4137.4	4149.1	4131.5	4125.7	4105.2
55°	3847.7	3882.8	3868.2	3856.5	3847.7
57.5°	3581.4	3607.8	3596.1	3572.7	3558.0
60°	3297.6	3318.1	3312.2	3285.9	3283.0
62.5°	3019.6	3025.5	3019.6	2972.8	2975.8
65°	2718.3	2724.1	2686.1	2648.0	2656.8
67.5°	2402.3	2419.8	2367.1	2311.5	2349.6
70°	2095.0	2089.2	2048.2	1986.8	2042.4
72.5°	1779.0	1773.2	1726.3	1682.5	1720.5
75°	1463.0	1439.6	1392.8	1372.3	1398.6
77.5°	1135.3	1109.0	1088.5	1073.8	1085.5
80°	839.8	804.7	787.1	775.4	801.7
82.5°	558.9	532.5	523.8	532.5	526.7
85°	313.1	307.2	307.2	298.5	286.7
87.5°	128.7	134.6	137.5	134.6	128.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)