

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: P567627

Luminaire Tested: **8SNX-180HL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567627
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-L835-CD
Description: 8FT 18000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

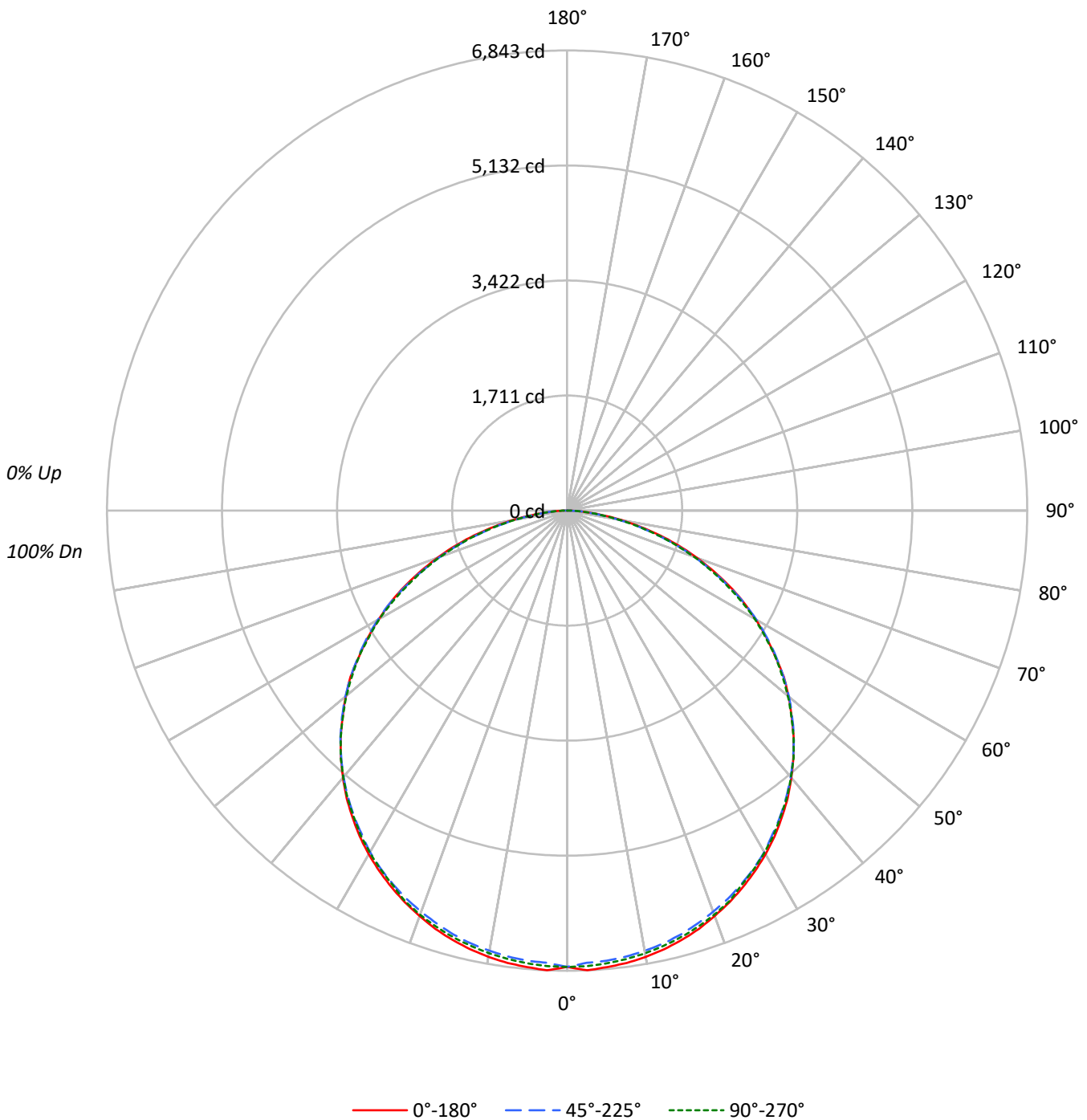
Lumens per Lamp: N/A
Luminaire Lumens: 20311.0 lumens
Efficiency: N/A
Efficacy: 157.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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°	36518	36518	36518
5°	36812	36301	36518
10°	36830	36328	36532
15°	36814	36366	36574
20°	36740	36362	36625
25°	36695	36405	36473
30°	36671	36439	36474
35°	36581	36355	36411
40°	36434	36353	36373
45°	36236	36302	36236
50°	35991	36063	35871
55°	35430	35618	35430
60°	34833	34988	34679
65°	33971	33569	33203
70°	32353	31629	31539
75°	29854	28422	28540
80°	25542	23939	24386
85°	18970	18618	17377



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	643.9	3.2
10°-20°	1855.4	9.1
20°-30°	2840.4	14.0
30°-40°	3474.6	17.1
40°-50°	3675.0	18.1
50°-60°	3386.1	16.7
60°-70°	2606.2	12.8
70°-80°	1464.2	7.2
80°-90°	365.3	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°	5339.7	26.3
0°-40°	8814.2	43.4
0°-60°	15875.4	78.2
0°-90°	20311.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	20311.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6785	6785	6785	6785	6785	
5°	6814	6794	6719	6780	6759	648
15°	6607	6590	6527	6584	6564	1865
25°	6179	6174	6130	6174	6142	2850
35°	5568	5559	5533	5559	5542	3484
45°	4761	4775	4770	4758	4761	3671
55°	3776	3810	3796	3785	3776	3382
65°	2668	2673	2636	2599	2607	2631
75°	1436	1413	1367	1347	1372	1512
85°	307	302	302	293	281	379
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6785.2	6785.2	6785.2	6785.2	6785.2
2.5°	6842.6	6805.3	6730.7	6796.7	6779.5
5°	6813.9	6793.8	6719.2	6779.5	6759.4
7.5°	6785.2	6762.2	6690.5	6756.5	6727.8
10°	6739.3	6719.2	6647.4	6710.6	6684.7
12.5°	6679.0	6661.7	6595.7	6656.0	6630.2
15°	6607.2	6590.0	6526.8	6584.2	6564.1
17.5°	6521.0	6500.9	6440.6	6500.9	6486.6
20°	6414.8	6403.3	6348.8	6403.3	6394.7
22.5°	6305.7	6291.3	6248.3	6288.5	6291.3
25°	6179.3	6173.6	6130.5	6173.6	6142.0
27.5°	6047.3	6047.3	6004.2	6032.9	6012.8
30°	5900.8	5897.9	5863.5	5877.8	5869.2
32.5°	5742.9	5740.0	5694.1	5731.4	5717.0
35°	5567.7	5559.1	5533.3	5559.1	5541.9
37.5°	5386.8	5378.2	5358.1	5372.5	5369.6
40°	5185.8	5185.8	5174.3	5185.8	5177.2
42.5°	4979.1	4987.7	4973.3	4984.8	4984.8
45°	4760.8	4775.2	4769.5	4758.0	4760.8
47.5°	4528.3	4554.1	4539.7	4536.9	4522.5
50°	4298.5	4321.5	4307.2	4292.8	4284.2
52.5°	4060.2	4071.7	4054.5	4048.7	4028.6
55°	3775.9	3810.4	3796.0	3784.6	3775.9
57.5°	3514.6	3540.5	3529.0	3506.0	3491.7
60°	3236.1	3256.2	3250.5	3224.6	3221.8
62.5°	2963.3	2969.1	2963.3	2917.4	2920.3
65°	2667.6	2673.3	2636.0	2598.7	2607.3
67.5°	2357.5	2374.7	2323.0	2268.4	2305.8
70°	2056.0	2050.2	2010.0	1949.7	2004.3
72.5°	1745.8	1740.1	1694.1	1651.1	1688.4
75°	1435.7	1412.7	1366.8	1346.7	1372.5
77.5°	1114.1	1088.3	1068.2	1053.8	1065.3
80°	824.1	789.6	772.4	760.9	786.8
82.5°	548.4	522.6	514.0	522.6	516.9
85°	307.2	301.5	301.5	292.9	281.4
87.5°	126.3	132.1	135.0	132.1	126.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)