

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: P567675

Luminaire Tested: **8SNX-186HL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567675
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-L835-CD
Description: 8FT 18600 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

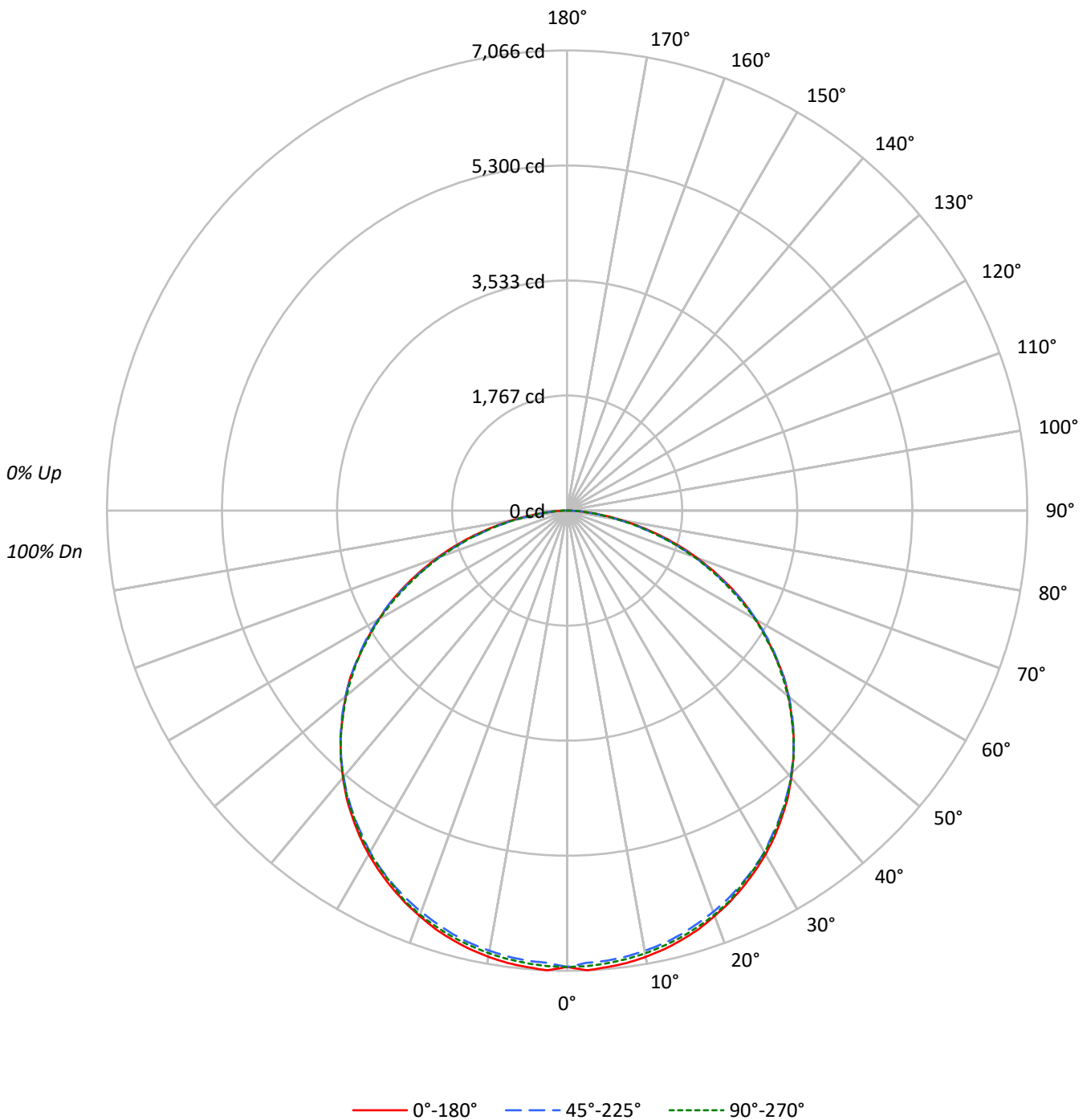
Lumens per Lamp: N/A
Luminaire Lumens: 20974.0 lumens
Efficiency: N/A
Efficacy: 155.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P567675

CATALOG NUMBER: 8SNX-186HL-UNV-L835-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567675

CATALOG NUMBER: 8SNX-186HL-UNV-L835-CD

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°	37710	37710	37710
5°	38014	37485	37710
10°	38032	37514	37724
15°	38016	37553	37768
20°	37939	37549	37820
25°	37893	37593	37664
30°	37868	37628	37665
35°	37775	37541	37600
40°	37623	37539	37561
45°	37419	37486	37419
50°	37166	37241	37041
55°	36587	36782	36587
60°	35970	36130	35810
65°	35079	34664	34287
70°	33409	32661	32568
75°	30830	29349	29474
80°	26375	24720	25182
85°	19594	19223	17945



TEST NUMBER: P567675

CATALOG NUMBER: 8SNX-186HL-UNV-L835-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	664.9	3.2
10°-20°	1915.9	9.1
20°-30°	2933.1	14.0
30°-40°	3588.0	17.1
40°-50°	3795.0	18.1
50°-60°	3496.7	16.7
60°-70°	2691.3	12.8
70°-80°	1512.0	7.2
80°-90°	377.2	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°	5513.9	26.3
0°-40°	9101.9	43.4
0°-60°	16393.6	78.2
0°-90°	20974.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	20974.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7007	7007	7007	7007	7007	
5°	7036	7016	6938	7001	6980	669
15°	6823	6805	6740	6799	6778	1926
25°	6381	6375	6331	6375	6342	2943
35°	5750	5741	5714	5741	5723	3598
45°	4916	4931	4925	4913	4916	3791
55°	3899	3935	3920	3908	3899	3492
65°	2755	2761	2722	2684	2692	2717
75°	1483	1459	1411	1391	1417	1562
85°	317	311	311	302	291	392
90°	0	0	0	0	0	



TEST NUMBER: P567675

CATALOG NUMBER: 8SNX-186HL-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7006.7	7006.7	7006.7	7006.7	7006.7
2.5°	7066.0	7027.5	6950.4	7018.6	7000.8
5°	7036.4	7015.6	6938.5	7000.8	6980.0
7.5°	7006.7	6983.0	6908.8	6977.0	6947.4
10°	6959.3	6938.5	6864.4	6929.6	6902.9
12.5°	6897.0	6879.2	6811.0	6873.3	6846.6
15°	6822.9	6805.1	6739.8	6799.1	6778.4
17.5°	6733.9	6713.1	6650.9	6713.1	6698.3
20°	6624.2	6612.3	6556.0	6612.3	6603.4
22.5°	6511.5	6496.7	6452.2	6493.7	6496.7
25°	6381.0	6375.1	6330.6	6375.1	6342.5
27.5°	6244.6	6244.6	6200.2	6229.8	6209.1
30°	6093.4	6090.5	6054.9	6069.7	6060.8
32.5°	5930.3	5927.4	5879.9	5918.5	5903.7
35°	5749.5	5740.6	5713.9	5740.6	5722.8
37.5°	5562.7	5553.8	5533.0	5547.8	5544.9
40°	5355.1	5355.1	5343.2	5355.1	5346.2
42.5°	5141.6	5150.5	5135.7	5147.5	5147.5
45°	4916.3	4931.1	4925.1	4913.3	4916.3
47.5°	4676.1	4702.8	4687.9	4685.0	4670.1
50°	4438.9	4462.6	4447.8	4432.9	4424.0
52.5°	4192.8	4204.6	4186.8	4180.9	4160.1
55°	3899.2	3934.8	3920.0	3908.1	3899.2
57.5°	3629.4	3656.1	3644.2	3620.5	3605.6
60°	3341.7	3362.5	3356.6	3329.9	3326.9
62.5°	3060.1	3066.0	3060.1	3012.6	3015.6
65°	2754.6	2760.6	2722.0	2683.5	2692.4
67.5°	2434.4	2452.2	2398.8	2342.5	2381.0
70°	2123.1	2117.1	2075.6	2013.4	2069.7
72.5°	1802.8	1796.9	1749.5	1705.0	1743.5
75°	1482.6	1458.9	1411.4	1390.7	1417.4
77.5°	1150.5	1123.8	1103.0	1088.2	1100.1
80°	851.0	815.4	797.6	785.8	812.5
82.5°	566.3	539.7	530.8	539.7	533.7
85°	317.3	311.3	311.3	302.4	290.6
87.5°	130.5	136.4	139.4	136.4	130.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)