

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: P567676

Luminaire Tested: **8SNX-186HL-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567676
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-L840-CD
Description: 8FT 18600 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

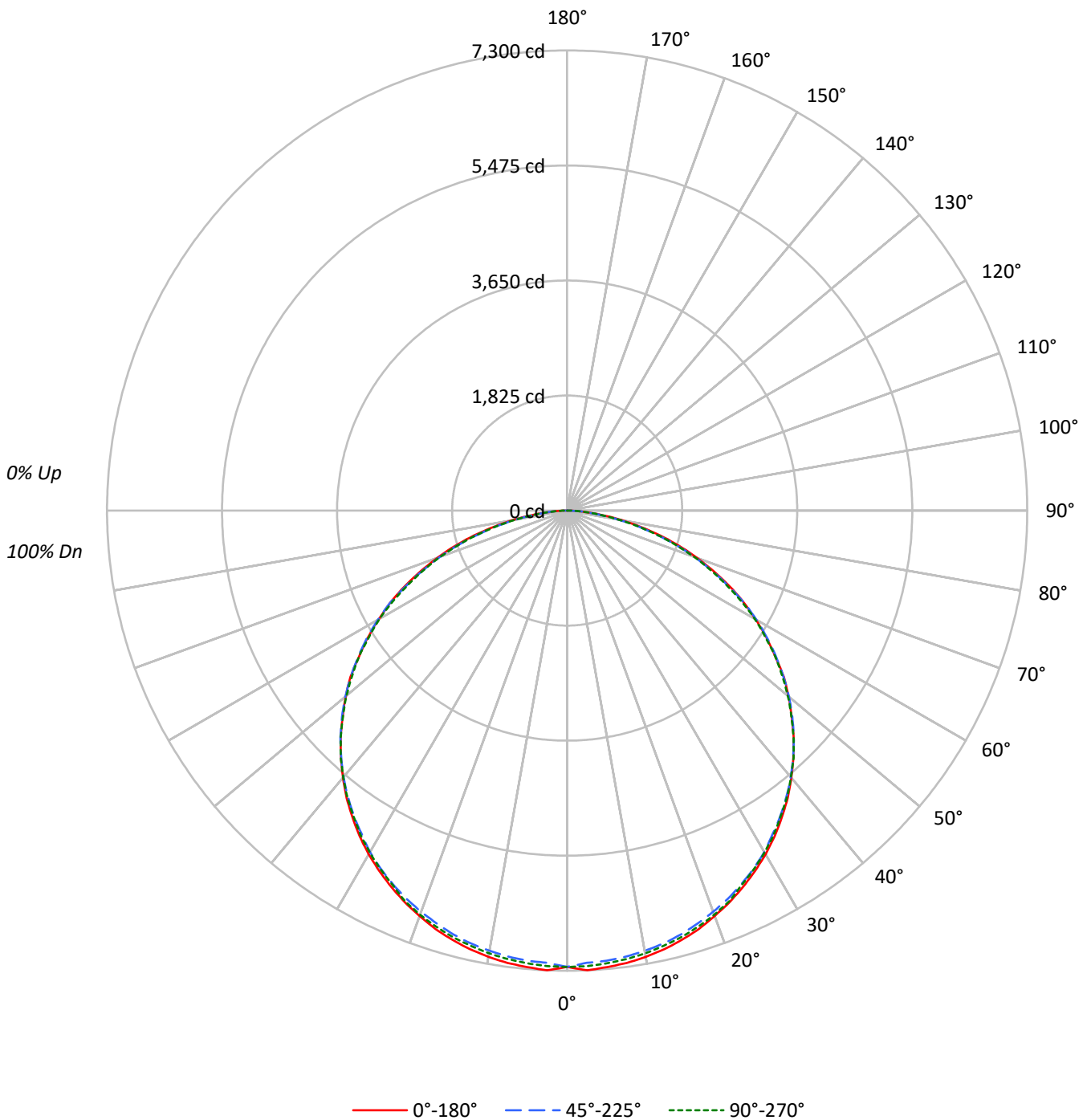
Lumens per Lamp: N/A
Luminaire Lumens: 21668.0 lumens
Efficiency: N/A
Efficacy: 160.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P567676

CATALOG NUMBER: 8SNX-186HL-UNV-L840-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567676

CATALOG NUMBER: 8SNX-186HL-UNV-L840-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	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°	38957	38957	38957
5°	39272	38726	38958
10°	39290	38755	38972
15°	39273	38795	39018
20°	39195	38791	39071
25°	39147	38837	38910
30°	39121	38873	38912
35°	39025	38783	38843
40°	38868	38782	38803
45°	38657	38727	38657
50°	38395	38472	38267
55°	37797	37999	37797
60°	37160	37325	36996
65°	36241	35812	35422
70°	34513	33742	33646
75°	31849	30320	30447
80°	27249	25539	26013
85°	20242	19859	18538



TEST NUMBER: P567676

CATALOG NUMBER: 8SNX-186HL-UNV-L840-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	686.9	3.2
10°-20°	1979.3	9.1
20°-30°	3030.1	14.0
30°-40°	3706.7	17.1
40°-50°	3920.5	18.1
50°-60°	3612.4	16.7
60°-70°	2780.3	12.8
70°-80°	1562.0	7.2
80°-90°	389.7	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°	5696.4	26.3
0°-40°	9403.1	43.4
0°-60°	16936.0	78.2
0°-90°	21668.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	21668.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7238	7238	7238	7238	7238	
5°	7269	7248	7168	7232	7211	691
15°	7049	7030	6963	7024	7003	1990
25°	6592	6586	6540	6586	6552	3040
35°	5940	5930	5903	5930	5912	3717
45°	5079	5094	5088	5076	5079	3916
55°	4028	4065	4050	4037	4028	3608
65°	2846	2852	2812	2772	2782	2807
75°	1532	1507	1458	1437	1464	1613
85°	328	322	322	312	300	404
90°	0	0	0	0	0	



TEST NUMBER: P567676

CATALOG NUMBER: 8SNX-186HL-UNV-L840-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7238.5	7238.5	7238.5	7238.5	7238.5
2.5°	7299.8	7260.0	7180.3	7250.8	7232.4
5°	7269.2	7247.7	7168.1	7232.4	7211.0
7.5°	7238.5	7214.0	7137.5	7207.9	7177.3
10°	7189.5	7168.1	7091.5	7158.9	7131.3
12.5°	7125.2	7106.8	7036.4	7100.7	7073.1
15°	7048.6	7030.2	6962.8	7024.1	7002.7
17.5°	6956.7	6935.3	6870.9	6935.3	6920.0
20°	6843.4	6831.1	6772.9	6831.1	6821.9
22.5°	6727.0	6711.7	6665.7	6708.6	6711.7
25°	6592.2	6586.1	6540.1	6586.1	6552.4
27.5°	6451.3	6451.3	6405.3	6436.0	6414.5
30°	6295.0	6292.0	6255.2	6270.5	6261.4
32.5°	6126.6	6123.5	6074.5	6114.3	6099.0
35°	5939.7	5930.5	5902.9	5930.5	5912.1
37.5°	5746.7	5737.5	5716.1	5731.4	5728.3
40°	5532.3	5532.3	5520.0	5532.3	5523.1
42.5°	5311.7	5320.9	5305.6	5317.9	5317.9
45°	5078.9	5094.2	5088.1	5075.9	5078.9
47.5°	4830.8	4858.4	4843.1	4840.0	4824.7
50°	4585.7	4610.2	4594.9	4579.6	4570.4
52.5°	4331.5	4343.7	4325.4	4319.2	4297.8
55°	4028.2	4065.0	4049.7	4037.4	4028.2
57.5°	3749.5	3777.0	3764.8	3740.3	3725.0
60°	3452.3	3473.8	3467.6	3440.1	3437.0
62.5°	3161.3	3167.4	3161.3	3112.3	3115.4
65°	2845.8	2851.9	2812.1	2772.3	2781.5
67.5°	2515.0	2533.3	2478.2	2420.0	2459.8
70°	2193.3	2187.2	2144.3	2080.0	2138.2
72.5°	1862.5	1856.4	1807.3	1761.4	1801.2
75°	1531.6	1507.1	1458.1	1436.7	1464.2
77.5°	1188.6	1161.0	1139.5	1124.2	1136.5
80°	879.2	842.4	824.0	811.8	839.3
82.5°	585.1	557.5	548.3	557.5	551.4
85°	327.8	321.6	321.6	312.5	300.2
87.5°	134.8	140.9	144.0	140.9	134.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)