

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: P567617

Luminaire Tested: **8SNX-180HL-LW-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567617
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-180HL-LW-UNV-L950-CD
Description: 8FT 18000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

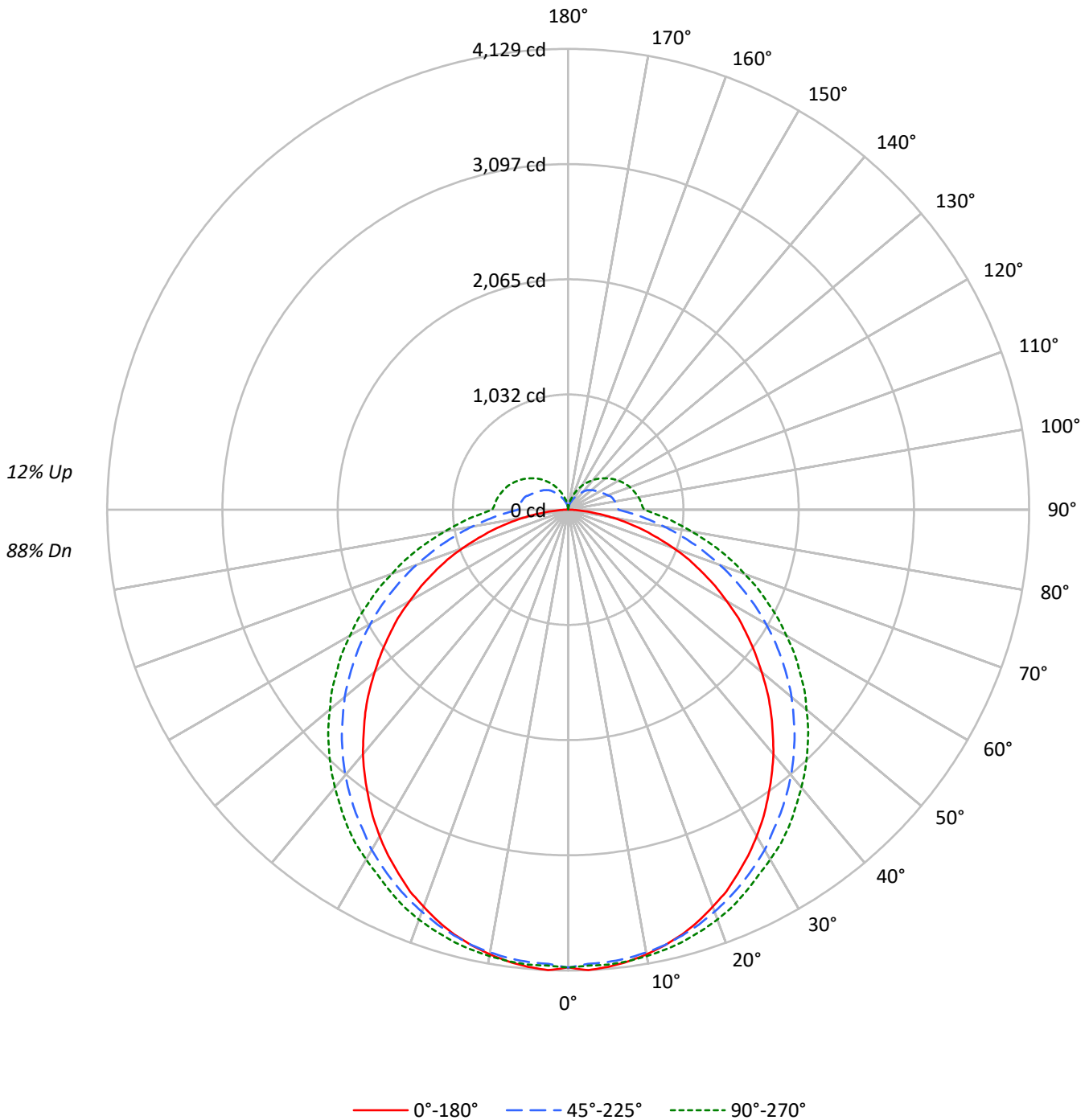
Lumens per Lamp: N/A
Luminaire Lumens: 14766.0 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

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

TEST NUMBER: P567617

CATALOG NUMBER: 8SNX-180HL-LW-UNV-L950-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567617

CATALOG NUMBER: 8SNX-180HL-LW-UNV-L950-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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88
1	105	99	95	90	101	96	92	88	89	86	83	84	81	78	78	76	74	71
2	95	86	79	72	91	83	76	71	77	72	67	72	68	64	68	64	61	58
3	86	75	66	60	82	72	65	58	68	61	56	63	58	53	59	55	51	48
4	78	66	57	50	75	64	56	49	60	53	47	56	50	45	53	48	43	41
5	72	59	50	43	69	57	48	42	54	46	41	50	44	39	47	42	38	35
6	66	53	44	37	64	51	43	37	48	41	35	45	39	34	43	37	33	31
7	61	48	39	33	59	46	38	32	44	36	31	41	35	30	39	33	29	27
8	57	43	35	29	55	42	34	29	40	33	28	38	31	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	27	23	21
10	50	37	29	23	48	36	28	23	34	27	22	32	26	22	31	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22074	22074	22074
5°	22172	21084	20885
10°	22029	20275	19859
15°	21829	19471	18923
20°	21517	18654	18017
25°	21147	17860	17090
30°	20744	17080	16237
35°	20239	16262	15472
40°	19747	15495	14639
45°	19155	14686	13845
50°	18469	13848	13001
55°	17810	12925	12167
60°	17049	11954	11267
65°	16121	10894	10337
70°	14942	9745	9330
75°	13270	8482	8366
80°	10935	7217	7262
85°	7566	6001	6340



TEST NUMBER: P567617

CATALOG NUMBER: 8SNX-180HL-LW-UNV-L950-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	389.4	2.6
10°-20°	1120.0	7.6
20°-30°	1703.9	11.5
30°-40°	2071.8	14.0
40°-50°	2191.9	14.8
50°-60°	2054.6	13.9
60°-70°	1690.3	11.4
70°-80°	1169.5	7.9
80°-90°	650.3	4.4
90°-100°	428.4	2.9
100°-110°	384.2	2.6
110°-120°	318.0	2.2
120°-130°	245.8	1.7
130°-140°	174.0	1.2
140°-150°	105.0	0.7
150°-160°	50.4	0.3
160°-170°	16.5	0.1
170°-180°	2.0	0.0
0°-30°	3213.3	21.8
0°-40°	5285.1	35.8
0°-60°	9531.5	64.6
0°-90°	13041.6	88.3
90°-120°	1130.6	7.7
90°-150°	1655.4	11.2
90°-180°	1724.0	11.7
0°-180°	14766.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4101	4101	4101	4101	4101	
5°	4112	4104	4069	4101	4091	390
15°	3940	3952	3950	4003	4003	1110
25°	3596	3646	3689	3770	3773	1657
35°	3125	3209	3318	3424	3454	1956
45°	2569	2703	2868	2996	3032	1980
55°	1955	2129	2334	2481	2531	1750
65°	1322	1512	1747	1919	1972	1311
75°	688	888	1148	1330	1403	730
85°	152	377	637	814	885	175
90°	2	212	450	620	680	10
95°	2	202	438	599	657	2
105°	2	174	410	564	614	3
115°	5	152	346	501	556	4
125°	5	129	296	427	480	5
135°	5	101	248	352	394	4
145°	5	73	172	266	298	3
155°	8	51	106	169	197	3
165°	8	33	58	78	101	2
175°	8	13	18	18	10	1
180°	5	5	5	5	5	



TEST NUMBER: P567617

CATALOG NUMBER: 8SNX-180HL-LW-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4101.4	4101.4	4101.4	4101.4	4101.4
2.5°	4129.2	4116.6	4073.6	4101.4	4088.8
5°	4111.5	4104.0	4068.6	4101.4	4091.3
7.5°	4083.7	4081.2	4053.4	4091.3	4081.2
10°	4045.8	4050.9	4028.1	4068.6	4061.0
12.5°	3997.8	4005.3	3995.2	4040.7	4035.7
15°	3939.6	3952.2	3949.7	4002.8	4002.8
17.5°	3868.8	3886.5	3896.6	3957.3	3957.3
20°	3785.3	3813.2	3833.4	3899.1	3909.2
22.5°	3701.9	3734.8	3765.1	3833.4	3848.6
25°	3595.7	3646.3	3689.3	3770.2	3772.7
27.5°	3492.0	3547.7	3605.8	3684.2	3691.8
30°	3378.2	3449.0	3519.8	3595.7	3618.5
32.5°	3256.9	3335.3	3413.6	3514.8	3545.1
35°	3125.4	3208.8	3317.6	3423.8	3454.1
37.5°	2993.9	3087.4	3213.9	3322.6	3350.4
40°	2859.9	2963.5	3105.1	3216.4	3249.3
42.5°	2710.7	2837.1	2988.8	3107.7	3145.6
45°	2569.1	2703.1	2867.5	2996.4	3031.8
47.5°	2419.9	2561.5	2738.5	2875.0	2915.5
50°	2260.6	2422.4	2612.1	2748.6	2786.5
52.5°	2111.4	2275.8	2475.5	2617.1	2670.2
55°	1954.6	2129.1	2333.9	2480.6	2531.2
57.5°	1808.0	1974.9	2194.8	2341.5	2404.7
60°	1641.1	1825.7	2045.7	2205.0	2255.5
62.5°	1484.3	1671.4	1899.0	2063.4	2121.5
65°	1322.5	1512.1	1747.3	1919.2	1972.3
67.5°	1170.8	1357.9	1598.1	1767.5	1835.8
70°	1003.9	1201.1	1446.4	1620.8	1679.0
72.5°	839.5	1044.3	1294.7	1481.8	1547.5
75°	687.8	887.5	1148.0	1330.1	1403.4
77.5°	541.1	743.4	1006.4	1193.5	1256.7
80°	394.5	606.9	874.9	1059.5	1120.2
82.5°	260.4	483.0	748.5	933.1	998.8
85°	151.7	376.8	637.2	814.2	885.0
87.5°	65.7	285.7	533.5	708.0	766.2
90°	2.5	212.4	450.1	619.5	680.2
92.5°	2.5	207.3	440.0	606.9	665.0
95°	2.5	202.3	437.5	599.3	657.4
97.5°	2.5	199.8	432.4	594.2	649.9
100°	2.5	192.2	424.8	584.1	639.7
102.5°	2.5	182.1	417.2	574.0	627.1
105°	2.5	174.5	409.6	563.9	614.5
107.5°	2.5	166.9	397.0	551.2	601.8
110°	2.5	159.3	376.8	538.6	589.2



TEST NUMBER: P567617

CATALOG NUMBER: 8SNX-180HL-LW-UNV-L950-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.5	156.8	361.6	520.9	574.0
115°	5.1	151.7	346.4	500.7	556.3
117.5°	5.1	149.2	333.8	480.4	538.6
120°	5.1	141.6	321.1	462.7	518.4
122.5°	5.1	134.0	308.5	445.0	500.7
125°	5.1	129.0	295.8	427.3	480.4
127.5°	5.1	121.4	285.7	409.6	457.7
130°	5.1	116.3	273.1	389.4	437.5
132.5°	5.1	108.7	260.4	369.2	414.7
135°	5.1	101.1	247.8	351.5	394.5
137.5°	5.1	91.0	232.6	331.2	371.7
140°	5.1	83.4	212.4	311.0	348.9
142.5°	5.1	78.4	192.2	288.3	323.7
145°	5.1	73.3	171.9	265.5	298.4
147.5°	5.1	68.3	154.2	242.7	273.1
150°	5.1	60.7	136.5	222.5	247.8
152.5°	7.6	55.6	121.4	197.2	222.5
155°	7.6	50.6	106.2	169.4	197.2
157.5°	7.6	45.5	91.0	141.6	171.9
160°	7.6	40.5	78.4	116.3	146.7
162.5°	7.6	37.9	68.3	96.1	123.9
165°	7.6	32.9	58.2	78.4	101.1
167.5°	7.6	25.3	48.0	60.7	83.4
170°	7.6	20.2	37.9	43.0	63.2
172.5°	7.6	15.2	27.8	30.3	32.9
175°	7.6	12.6	17.7	17.7	10.1
177.5°	7.6	10.1	10.1	10.1	5.1
180°	5.1	5.1	5.1	5.1	5.1

(END OF REPORT)