

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: P567417

Luminaire Tested: **8SNX-148HL-LN-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567417
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-148HL-LN-UNV-L950-CD
Description: 8FT 14800 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

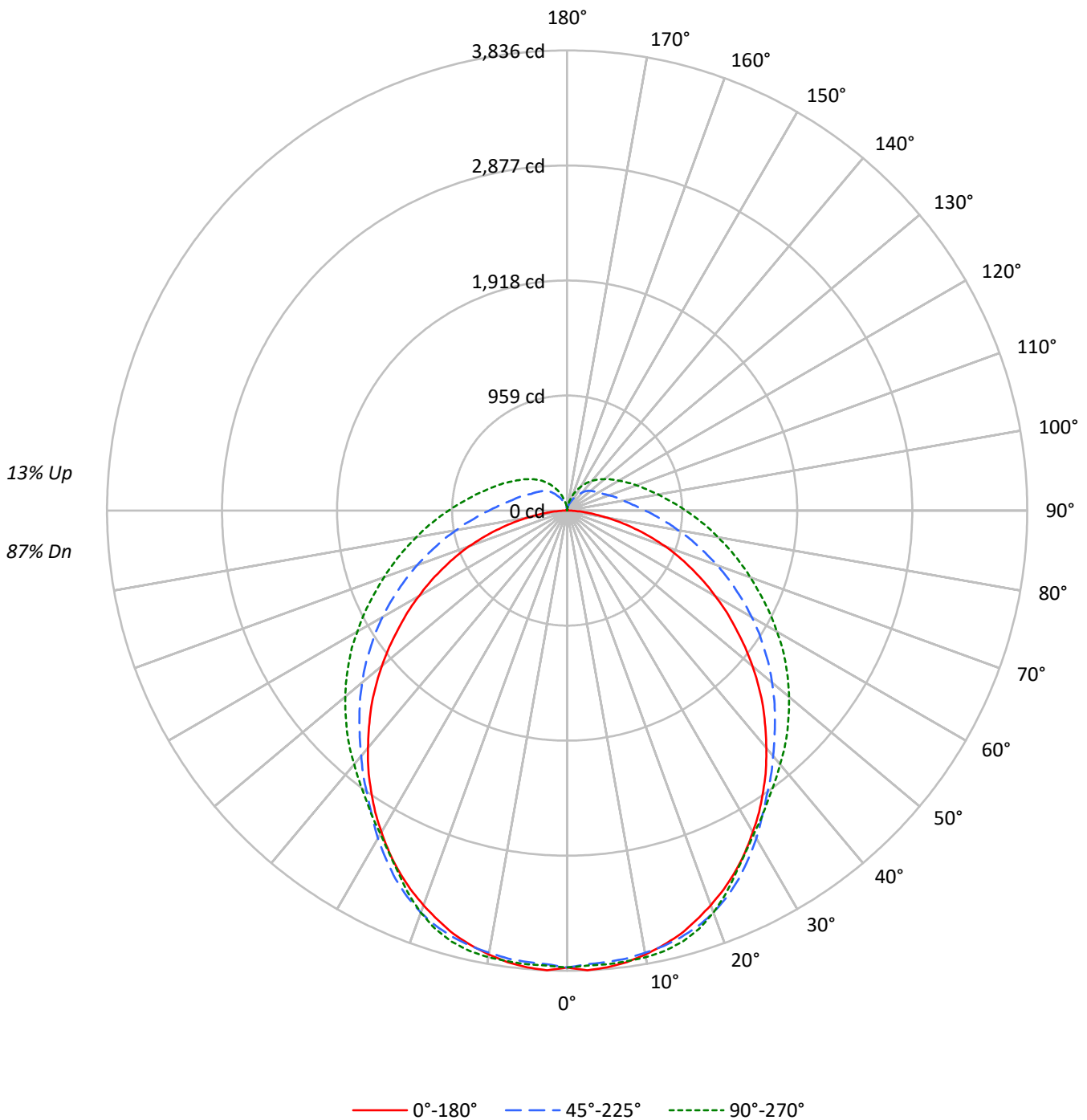
Lumens per Lamp: N/A
Luminaire Lumens: 13748.0 lumens
Efficiency: N/A
Efficacy: 132.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.35
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 103.6
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: P567417

CATALOG NUMBER: 8SNX-148HL-LN-UNV-L950-CD

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	0
RCR																		
0	116	116	116	116	112	112	112	112	104	104	104	96	96	96	90	90	90	87
1	104	98	93	89	100	95	90	86	88	84	81	82	79	76	76	74	72	68
2	94	85	77	71	90	82	75	69	76	70	66	71	66	62	66	62	59	56
3	85	74	65	58	81	71	63	57	66	60	54	62	56	52	58	53	49	46
4	78	65	56	49	74	63	55	48	59	52	46	55	49	44	51	46	42	39
5	71	58	49	42	68	56	48	41	53	45	40	49	43	38	46	41	36	34
6	66	52	43	37	63	51	42	36	47	40	35	44	38	33	42	36	32	29
7	61	47	38	32	58	46	38	32	43	36	30	41	34	29	38	33	28	26
8	57	43	35	29	54	42	34	28	39	32	27	37	31	26	35	29	25	23
9	53	39	31	26	51	38	31	25	36	29	24	34	28	24	32	27	23	21
10	50	36	28	23	48	35	28	23	34	27	22	32	26	21	30	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20497	20497	20497
5°	20613	19579	19382
10°	20458	18841	18487
15°	20250	18143	17585
20°	19899	17354	16436
25°	19520	16394	15088
30°	19007	15314	13963
35°	18459	14212	13123
40°	17832	13328	12443
45°	17222	12546	11857
50°	16490	11825	11266
55°	15631	11101	10688
60°	14819	10378	10083
65°	13922	9649	9529
70°	12904	8966	9027
75°	11287	8301	8615
80°	9175	7730	8265
85°	6628	7332	8065



TEST NUMBER: P567417

CATALOG NUMBER: 8SNX-148HL-LN-UNV-L950-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.8	2.6
10°-20°	1040.2	7.6
20°-30°	1549.0	11.3
30°-40°	1827.7	13.3
40°-50°	1906.1	13.9
50°-60°	1791.2	13.0
60°-70°	1512.7	11.0
70°-80°	1142.9	8.3
80°-90°	787.9	5.7
90°-100°	551.3	4.0
100°-110°	411.4	3.0
110°-120°	310.2	2.3
120°-130°	231.3	1.7
130°-140°	162.4	1.2
140°-150°	98.2	0.7
150°-160°	46.9	0.3
160°-170°	15.0	0.1
170°-180°	1.8	0.0
0°-30°	2951.0	21.5
0°-40°	4778.6	34.8
0°-60°	8476.0	61.7
0°-90°	11919.5	86.7
90°-120°	1272.9	9.3
90°-150°	1764.8	12.8
90°-180°	1829.0	13.3
0°-180°	13748.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3808	3808	3808	3808	3808	
5°	3822	3815	3778	3806	3797	363
15°	3655	3671	3680	3727	3720	1029
25°	3319	3387	3387	3356	3331	1527
35°	2850	2955	2900	2923	2930	1783
45°	2310	2424	2450	2550	2596	1779
55°	1715	1862	2004	2165	2224	1539
65°	1142	1324	1548	1750	1818	1134
75°	585	811	1123	1359	1445	623
85°	133	417	778	1035	1126	149
90°	2	296	650	900	988	9
95°	2	231	550	788	869	2
105°	5	166	424	615	685	5
115°	5	142	329	490	552	5
125°	7	121	277	401	452	6
135°	7	93	231	326	366	5
145°	9	68	161	249	280	5
155°	9	44	98	158	184	4
165°	12	28	51	70	93	3
175°	12	12	14	14	7	1
180°	7	7	7	7	7	



TEST NUMBER: P567417

CATALOG NUMBER: 8SNX-148HL-LN-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3808.5	3808.5	3808.5	3808.5	3808.5
2.5°	3836.4	3827.1	3785.1	3808.5	3796.8
5°	3822.4	3815.4	3778.2	3806.1	3796.8
7.5°	3796.8	3794.5	3766.5	3799.1	3789.8
10°	3757.2	3764.2	3743.2	3787.5	3780.5
12.5°	3710.6	3724.5	3717.6	3766.5	3759.5
15°	3654.6	3670.9	3680.3	3726.9	3719.9
17.5°	3580.0	3610.3	3631.3	3668.6	3657.0
20°	3500.8	3542.7	3566.1	3584.7	3566.1
22.5°	3414.6	3470.5	3484.5	3475.2	3456.5
25°	3319.0	3386.6	3386.6	3356.3	3330.6
27.5°	3211.8	3295.7	3272.4	3237.4	3216.4
30°	3095.2	3195.5	3155.8	3116.2	3111.6
32.5°	2978.7	3083.6	3025.3	3016.0	3023.0
35°	2850.5	2955.4	2899.5	2922.8	2929.8
37.5°	2722.3	2827.2	2789.9	2824.9	2845.9
40°	2582.5	2694.4	2671.0	2734.0	2761.9
42.5°	2445.0	2561.5	2559.2	2640.7	2682.7
45°	2309.8	2424.0	2449.6	2549.8	2596.5
47.5°	2162.9	2279.5	2342.4	2458.9	2505.6
50°	2018.4	2144.3	2230.5	2361.1	2414.7
52.5°	1869.3	2002.1	2121.0	2265.5	2321.4
55°	1715.4	1862.3	2004.4	2165.3	2223.5
57.5°	1577.9	1727.1	1894.9	2060.4	2128.0
60°	1426.4	1591.9	1776.0	1950.8	2018.4
62.5°	1288.9	1459.1	1664.2	1848.3	1920.5
65°	1142.1	1323.9	1547.6	1750.4	1818.0
67.5°	1006.9	1193.3	1438.1	1643.2	1717.8
70°	867.0	1065.2	1330.9	1547.6	1624.5
72.5°	722.5	932.3	1223.6	1454.4	1533.6
75°	585.0	811.1	1123.4	1358.8	1445.1
77.5°	456.8	694.6	1032.5	1274.9	1358.8
80°	331.0	589.7	937.0	1188.7	1274.9
82.5°	219.1	498.8	860.0	1111.8	1202.7
85°	132.9	417.2	778.5	1034.9	1125.8
87.5°	60.6	349.6	713.2	967.3	1055.8
90°	2.3	296.0	650.3	899.7	988.2
92.5°	2.3	258.7	599.0	841.4	927.6
95°	2.3	230.7	550.1	787.8	869.4
97.5°	2.3	212.1	512.8	736.5	815.8
100°	2.3	193.5	475.5	689.9	771.5
102.5°	4.7	177.1	447.5	647.9	724.9
105°	4.7	165.5	424.2	615.3	685.2
107.5°	4.7	158.5	398.6	582.7	647.9
110°	4.7	151.5	370.6	550.1	615.3



TEST NUMBER: P567417

CATALOG NUMBER: 8SNX-148HL-LN-UNV-L950-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.7	146.8	349.6	522.1	585.0
115°	4.7	142.2	328.6	489.5	552.4
117.5°	4.7	139.8	317.0	463.8	524.4
120°	7.0	132.9	303.0	440.5	498.8
122.5°	7.0	125.9	289.0	421.9	473.1
125°	7.0	121.2	277.4	400.9	452.2
127.5°	7.0	114.2	265.7	382.2	428.9
130°	7.0	107.2	256.4	363.6	407.9
132.5°	7.0	100.2	244.7	345.0	386.9
135°	7.0	93.2	230.7	326.3	365.9
137.5°	7.0	86.2	216.8	307.7	345.0
140°	7.0	79.2	198.1	289.0	324.0
142.5°	7.0	72.3	179.5	270.4	300.7
145°	9.3	67.6	160.8	249.4	279.7
147.5°	9.3	60.6	142.2	228.4	254.1
150°	9.3	55.9	128.2	207.4	230.7
152.5°	9.3	48.9	114.2	184.1	207.4
155°	9.3	44.3	97.9	158.5	184.1
157.5°	9.3	39.6	83.9	132.9	160.8
160°	9.3	37.3	72.3	109.5	137.5
162.5°	11.7	32.6	60.6	88.6	114.2
165°	11.7	28.0	51.3	69.9	93.2
167.5°	11.7	23.3	42.0	53.6	72.3
170°	11.7	18.6	32.6	37.3	55.9
172.5°	11.7	14.0	23.3	25.6	28.0
175°	11.7	11.7	14.0	14.0	7.0
177.5°	11.7	11.7	9.3	7.0	2.3
180°	7.0	7.0	7.0	7.0	7.0

(END OF REPORT)