

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: P567415

Luminaire Tested: **8SNX-148HL-LN-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567415
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-L935-CD
Description: 8FT 14800 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

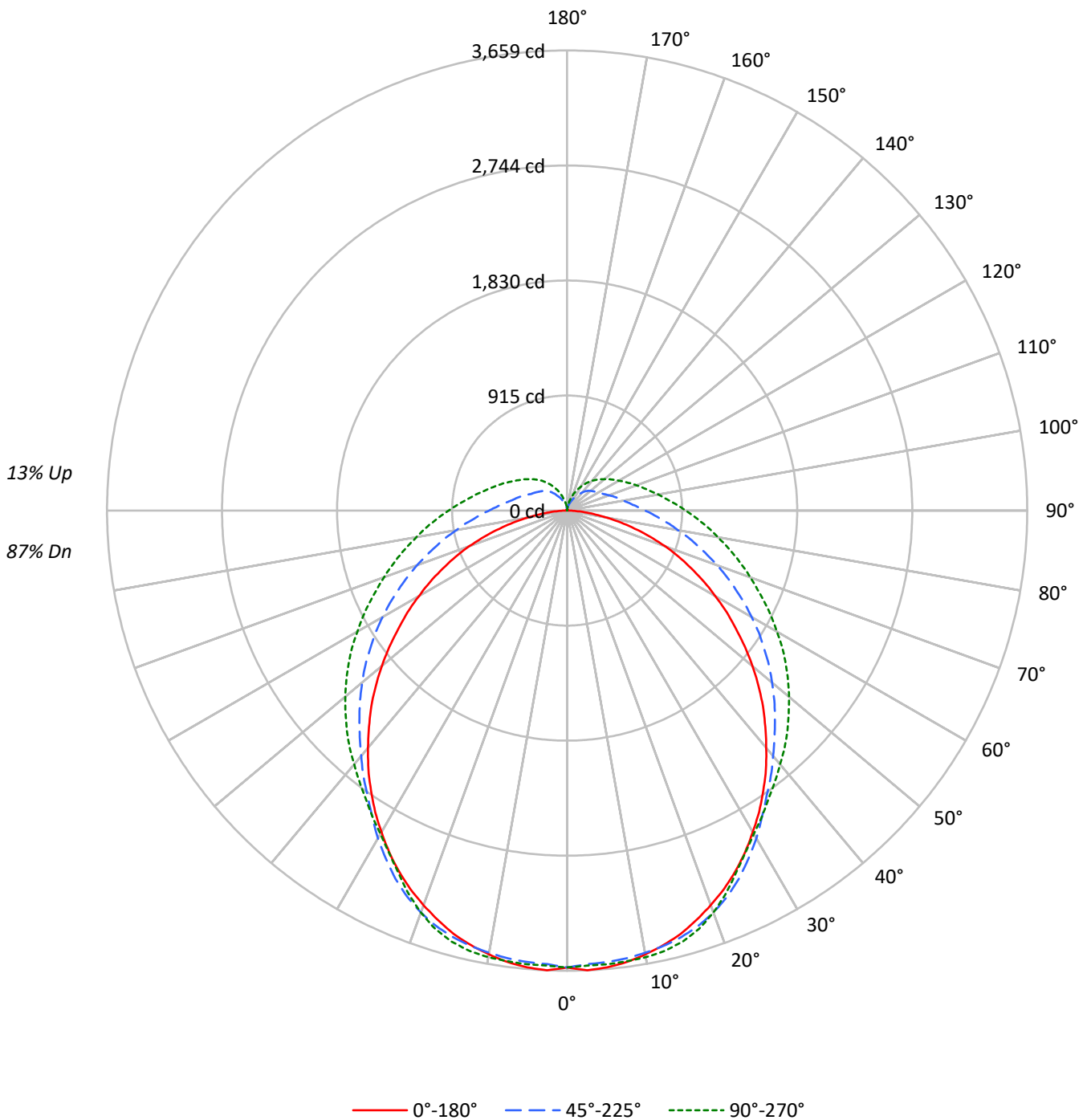
Lumens per Lamp: N/A
Luminaire Lumens: 13113.0 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.35
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

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

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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	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°	19550	19550	19550
5°	19661	18674	18486
10°	19513	17971	17633
15°	19314	17305	16773
20°	18980	16552	15677
25°	18618	15637	14391
30°	18129	14607	13318
35°	17607	13555	12517
40°	17008	12713	11869
45°	16426	11966	11309
50°	15729	11279	10746
55°	14909	10588	10194
60°	14134	9899	9617
65°	13279	9203	9088
70°	12309	8552	8611
75°	10766	7917	8217
80°	8751	7372	7883
85°	6319	6993	7692



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.1	2.6
10°-20°	992.2	7.6
20°-30°	1477.4	11.3
30°-40°	1743.3	13.3
40°-50°	1818.1	13.9
50°-60°	1708.5	13.0
60°-70°	1442.8	11.0
70°-80°	1090.1	8.3
80°-90°	751.5	5.7
90°-100°	525.9	4.0
100°-110°	392.4	3.0
110°-120°	295.8	2.3
120°-130°	220.6	1.7
130°-140°	154.9	1.2
140°-150°	93.6	0.7
150°-160°	44.8	0.3
160°-170°	14.3	0.1
170°-180°	1.7	0.0
0°-30°	2814.6	21.5
0°-40°	4557.9	34.8
0°-60°	8084.5	61.7
0°-90°	11368.9	86.7
90°-120°	1214.1	9.3
90°-150°	1683.3	12.8
90°-180°	1744.0	13.3
0°-180°	13113.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3632	3632	3632	3632	3632	
5°	3646	3639	3604	3630	3621	346
15°	3486	3501	3510	3555	3548	982
25°	3166	3230	3230	3201	3177	1456
35°	2719	2819	2766	2788	2794	1700
45°	2203	2312	2336	2432	2476	1697
55°	1636	1776	1912	2065	2121	1468
65°	1089	1263	1476	1670	1734	1082
75°	558	774	1072	1296	1378	594
85°	127	398	742	987	1074	142
90°	2	282	620	858	943	9
95°	2	220	525	751	829	2
105°	4	158	405	587	654	4
115°	4	136	314	467	527	5
125°	7	116	264	382	431	6
135°	7	89	220	311	349	5
145°	9	64	153	238	267	5
155°	9	42	93	151	176	4
165°	11	27	49	67	89	3
175°	11	11	13	13	7	1
180°	7	7	7	7	7	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3632.5	3632.5	3632.5	3632.5	3632.5
2.5°	3659.2	3650.3	3610.3	3632.5	3621.4
5°	3645.9	3639.2	3603.6	3630.3	3621.4
7.5°	3621.4	3619.2	3592.5	3623.7	3614.8
10°	3583.6	3590.3	3570.3	3612.5	3605.9
12.5°	3539.2	3552.5	3545.8	3592.5	3585.9
15°	3485.8	3501.4	3510.3	3554.7	3548.1
17.5°	3414.7	3443.6	3463.6	3499.2	3488.0
20°	3339.1	3379.1	3401.3	3419.1	3401.3
22.5°	3256.8	3310.2	3323.5	3314.6	3296.9
25°	3165.7	3230.2	3230.2	3201.3	3176.8
27.5°	3063.4	3143.5	3121.2	3087.9	3067.9
30°	2952.3	3047.9	3010.1	2972.3	2967.8
32.5°	2841.1	2941.2	2885.6	2876.7	2883.4
35°	2718.9	2818.9	2765.5	2787.8	2794.4
37.5°	2596.6	2696.6	2661.1	2694.4	2714.4
40°	2463.2	2569.9	2547.7	2607.7	2634.4
42.5°	2332.0	2443.2	2441.0	2518.8	2558.8
45°	2203.1	2312.0	2336.5	2432.1	2476.5
47.5°	2063.0	2174.2	2234.2	2345.4	2389.8
50°	1925.2	2045.3	2127.5	2252.0	2303.1
52.5°	1782.9	1909.6	2023.0	2160.9	2214.2
55°	1636.2	1776.3	1911.9	2065.3	2120.8
57.5°	1505.0	1647.3	1807.4	1965.2	2029.7
60°	1360.5	1518.4	1694.0	1860.7	1925.2
62.5°	1229.4	1391.7	1587.3	1762.9	1831.8
65°	1089.3	1262.7	1476.1	1669.5	1734.0
67.5°	960.4	1138.2	1371.7	1567.3	1638.4
70°	827.0	1016.0	1269.4	1476.1	1549.5
72.5°	689.2	889.2	1167.1	1387.2	1462.8
75°	558.0	773.6	1071.5	1296.1	1378.3
77.5°	435.7	662.5	984.8	1216.0	1296.1
80°	315.7	562.4	893.7	1133.8	1216.0
82.5°	209.0	475.7	820.3	1060.4	1147.1
85°	126.7	397.9	742.5	987.1	1073.8
87.5°	57.8	333.5	680.3	922.6	1007.1
90°	2.2	282.3	620.2	858.1	942.6
92.5°	2.2	246.8	571.3	802.5	884.8
95°	2.2	220.1	524.7	751.4	829.2
97.5°	2.2	202.3	489.1	702.5	778.1
100°	2.2	184.5	453.5	658.0	735.8
102.5°	4.4	169.0	426.8	618.0	691.4
105°	4.4	157.8	404.6	586.9	653.6
107.5°	4.4	151.2	380.2	555.8	618.0
110°	4.4	144.5	353.5	524.7	586.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.4	140.1	333.5	498.0	558.0
115°	4.4	135.6	313.5	466.9	526.9
117.5°	4.4	133.4	302.3	442.4	500.2
120°	6.7	126.7	289.0	420.2	475.7
122.5°	6.7	120.0	275.7	402.4	451.3
125°	6.7	115.6	264.5	382.4	431.3
127.5°	6.7	108.9	253.4	364.6	409.1
130°	6.7	102.3	244.5	346.8	389.0
132.5°	6.7	95.6	233.4	329.0	369.0
135°	6.7	88.9	220.1	311.2	349.0
137.5°	6.7	82.3	206.7	293.4	329.0
140°	6.7	75.6	189.0	275.7	309.0
142.5°	6.7	68.9	171.2	257.9	286.8
145°	8.9	64.5	153.4	237.9	266.8
147.5°	8.9	57.8	135.6	217.9	242.3
150°	8.9	53.4	122.3	197.9	220.1
152.5°	8.9	46.7	108.9	175.6	197.9
155°	8.9	42.2	93.4	151.2	175.6
157.5°	8.9	37.8	80.0	126.7	153.4
160°	8.9	35.6	68.9	104.5	131.2
162.5°	11.1	31.1	57.8	84.5	108.9
165°	11.1	26.7	48.9	66.7	88.9
167.5°	11.1	22.2	40.0	51.1	68.9
170°	11.1	17.8	31.1	35.6	53.4
172.5°	11.1	13.3	22.2	24.5	26.7
175°	11.1	11.1	13.3	13.3	6.7
177.5°	11.1	11.1	8.9	6.7	2.2
180°	6.7	6.7	6.7	6.7	6.7

(END OF REPORT)