

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: P567439

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567439
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-148HL-UNV-L935-CD
Description: 8FT 14800 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

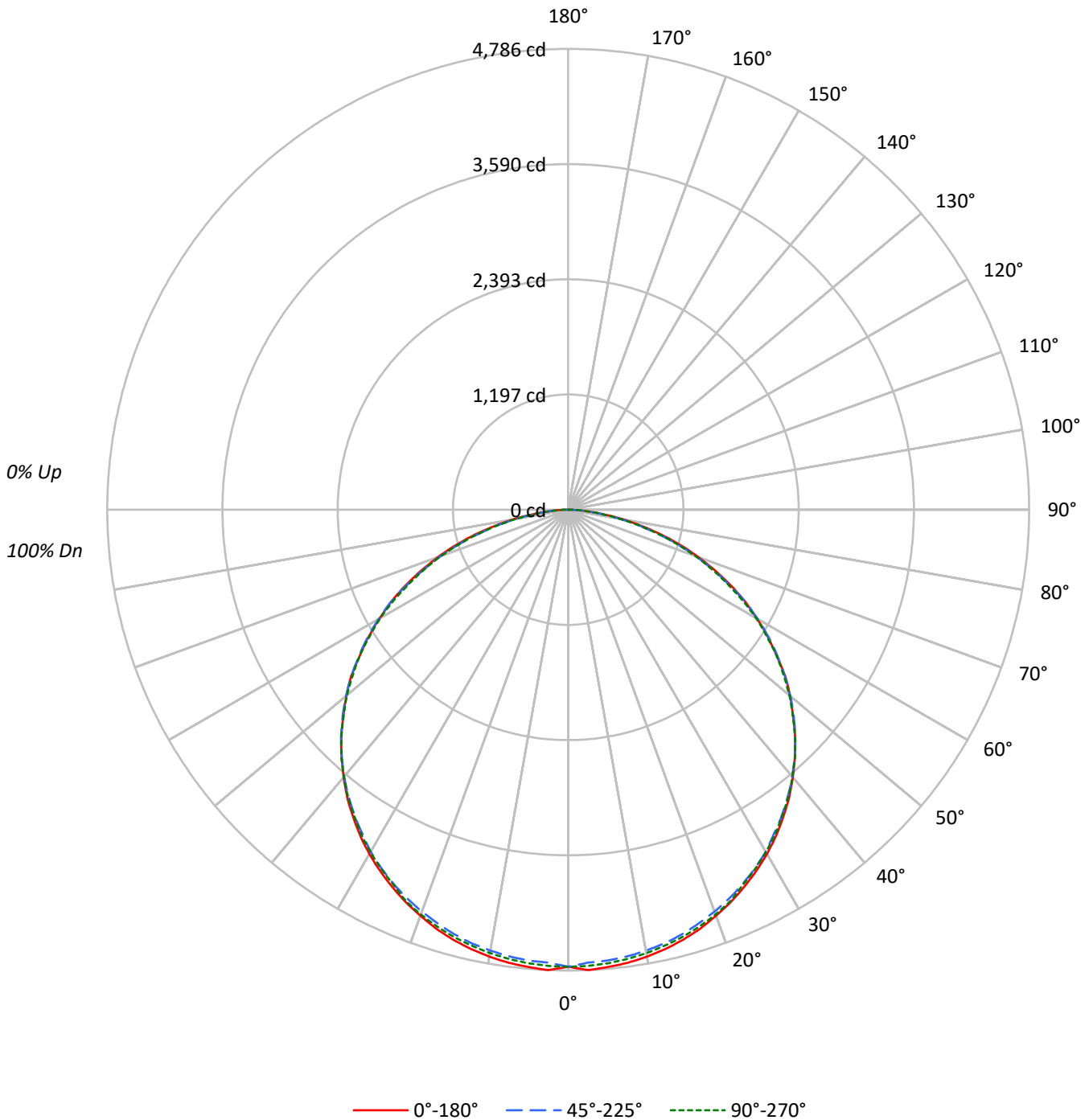
Lumens per Lamp: N/A
Luminaire Lumens: 14207.0 lumens
Efficiency: N/A
Efficacy: 137.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P567439

CATALOG NUMBER: 8SNX-148HL-UNV-L935-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	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°	25543	25543	25543
5°	25749	25391	25543
10°	25761	25411	25553
15°	25750	25437	25582
20°	25699	25434	25618
25°	25667	25464	25512
30°	25651	25488	25513
35°	25587	25429	25469
40°	25484	25428	25442
45°	25346	25392	25346
50°	25175	25225	25091
55°	24783	24914	24783
60°	24365	24473	24256
65°	23762	23480	23224
70°	22630	22123	22060
75°	20882	19879	19965
80°	17865	16746	17056
85°	13270	13023	12153



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	450.4	3.2
10°-20°	1297.8	9.1
20°-30°	1986.8	14.0
30°-40°	2430.4	17.1
40°-50°	2570.6	18.1
50°-60°	2368.5	16.7
60°-70°	1822.9	12.8
70°-80°	1024.2	7.2
80°-90°	255.5	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°	3734.9	26.3
0°-40°	6165.3	43.4
0°-60°	11104.4	78.2
0°-90°	14207.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14207.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4746	4746	4746	4746	4746	
5°	4766	4752	4700	4742	4728	453
15°	4622	4610	4565	4606	4591	1305
25°	4322	4318	4288	4318	4296	1994
35°	3894	3888	3870	3888	3876	2437
45°	3330	3340	3336	3328	3330	2568
55°	2641	2665	2655	2647	2641	2365
65°	1866	1870	1844	1818	1824	1841
75°	1004	988	956	942	960	1058
85°	215	211	211	205	197	265
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4746.1	4746.1	4746.1	4746.1	4746.1
2.5°	4786.2	4760.1	4707.9	4754.1	4742.1
5°	4766.2	4752.1	4699.9	4742.1	4728.0
7.5°	4746.1	4730.0	4679.8	4726.0	4705.9
10°	4713.9	4699.9	4649.7	4693.9	4675.8
12.5°	4671.8	4659.7	4613.5	4655.7	4637.6
15°	4621.5	4609.5	4565.3	4605.5	4591.4
17.5°	4561.3	4547.2	4505.1	4547.2	4537.2
20°	4487.0	4478.9	4440.8	4478.9	4472.9
22.5°	4410.7	4400.6	4370.5	4398.6	4400.6
25°	4322.3	4318.3	4288.1	4318.3	4296.2
27.5°	4229.9	4229.9	4199.8	4219.8	4205.8
30°	4127.5	4125.4	4101.3	4111.4	4105.4
32.5°	4017.0	4015.0	3982.8	4009.0	3998.9
35°	3894.5	3888.4	3870.4	3888.4	3876.4
37.5°	3767.9	3761.9	3747.9	3757.9	3755.9
40°	3627.3	3627.3	3619.3	3627.3	3621.3
42.5°	3482.7	3488.8	3478.7	3486.7	3486.7
45°	3330.1	3340.1	3336.1	3328.1	3330.1
47.5°	3167.4	3185.5	3175.4	3173.4	3163.4
50°	3006.7	3022.8	3012.7	3002.7	2996.7
52.5°	2840.0	2848.0	2836.0	2832.0	2817.9
55°	2641.2	2665.3	2655.2	2647.2	2641.2
57.5°	2458.4	2476.5	2468.4	2452.4	2442.3
60°	2263.6	2277.6	2273.6	2255.5	2253.5
62.5°	2072.8	2076.8	2072.8	2040.6	2042.6
65°	1865.9	1869.9	1843.8	1817.7	1823.7
67.5°	1649.0	1661.0	1624.9	1586.7	1612.8
70°	1438.1	1434.1	1405.9	1363.8	1401.9
72.5°	1221.2	1217.1	1185.0	1154.9	1181.0
75°	1004.2	988.2	956.0	942.0	960.1
77.5°	779.3	761.2	747.2	737.1	745.2
80°	576.4	552.3	540.3	532.3	550.3
82.5°	383.6	365.5	359.5	365.5	361.5
85°	214.9	210.9	210.9	204.9	196.8
87.5°	88.4	92.4	94.4	92.4	88.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)