

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: P567437

Luminaire Tested: **8SNX-148HL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567437
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-L850-CD
Description: 8FT 14800 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

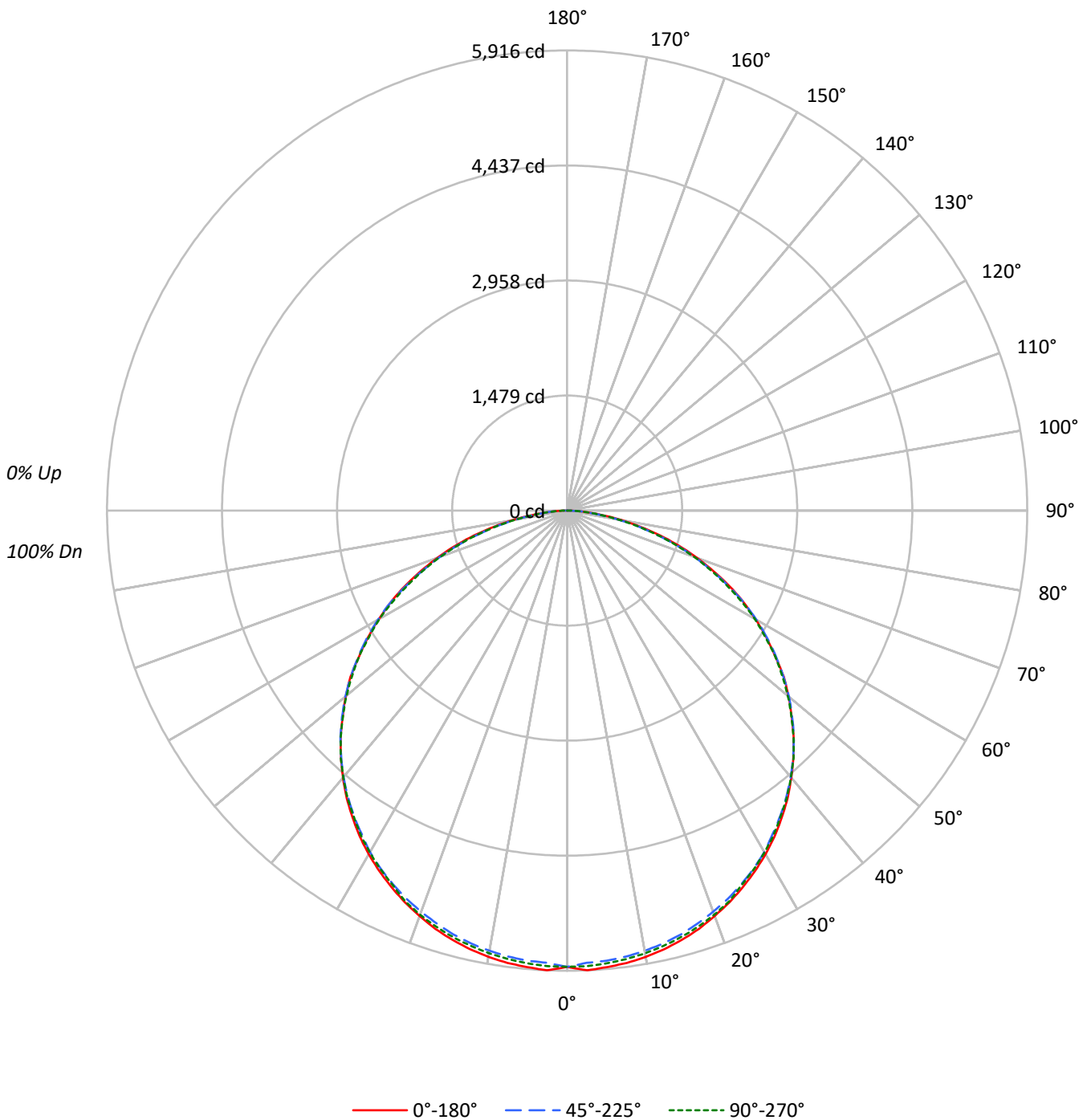
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17559.0 lumens
Efficiency: N/A
Efficacy: 169.5 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

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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	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°	31570	31570	31570
5°	31825	31382	31570
10°	31840	31406	31582
15°	31826	31438	31618
20°	31762	31435	31663
25°	31723	31473	31531
30°	31702	31502	31533
35°	31624	31428	31478
40°	31497	31427	31445
45°	31326	31383	31326
50°	31114	31177	31010
55°	30629	30793	30629
60°	30113	30248	29980
65°	29368	29020	28704
70°	27969	27344	27265
75°	25810	24571	24675
80°	22080	20697	21082
85°	16401	16092	15024



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	556.7	3.2
10°-20°	1604.0	9.1
20°-30°	2455.5	14.0
30°-40°	3003.8	17.1
40°-50°	3177.1	18.1
50°-60°	2927.3	16.7
60°-70°	2253.1	12.8
70°-80°	1265.8	7.2
80°-90°	315.8	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°	4616.2	26.3
0°-40°	7620.0	43.4
0°-60°	13724.4	78.2
0°-90°	17559.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17559.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5866	5866	5866	5866	5866	
5°	5891	5873	5809	5861	5844	560
15°	5712	5697	5642	5692	5675	1612
25°	5342	5337	5300	5337	5310	2464
35°	4813	4806	4784	4806	4791	3012
45°	4116	4128	4123	4113	4116	3174
55°	3264	3294	3282	3272	3264	2923
65°	2306	2311	2279	2247	2254	2275
75°	1241	1221	1182	1164	1187	1307
85°	266	261	261	253	243	328
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5865.9	5865.9	5865.9	5865.9	5865.9
2.5°	5915.5	5883.2	5818.7	5875.8	5860.9
5°	5890.7	5873.3	5808.8	5860.9	5843.5
7.5°	5865.9	5846.0	5783.9	5841.0	5816.2
10°	5826.1	5808.8	5746.7	5801.3	5779.0
12.5°	5774.0	5759.1	5702.0	5754.2	5731.8
15°	5712.0	5697.1	5642.4	5692.1	5674.7
17.5°	5637.5	5620.1	5568.0	5620.1	5607.7
20°	5545.6	5535.7	5488.5	5535.7	5528.3
22.5°	5451.3	5438.9	5401.7	5436.4	5438.9
25°	5342.1	5337.1	5299.9	5337.1	5309.8
27.5°	5227.9	5227.9	5190.7	5215.5	5198.1
30°	5101.3	5098.8	5069.0	5081.4	5074.0
32.5°	4964.8	4962.3	4922.6	4954.8	4942.4
35°	4813.3	4805.9	4783.5	4805.9	4791.0
37.5°	4656.9	4649.5	4632.1	4644.5	4642.1
40°	4483.2	4483.2	4473.2	4483.2	4475.7
42.5°	4304.4	4311.9	4299.5	4309.4	4309.4
45°	4115.8	4128.2	4123.2	4113.3	4115.8
47.5°	3914.7	3937.1	3924.6	3922.2	3909.7
50°	3716.1	3736.0	3723.6	3711.2	3703.7
52.5°	3510.1	3520.0	3505.1	3500.2	3482.8
55°	3264.3	3294.1	3281.7	3271.8	3264.3
57.5°	3038.4	3060.8	3050.8	3031.0	3018.6
60°	2797.6	2815.0	2810.1	2787.7	2785.2
62.5°	2561.8	2566.8	2561.8	2522.1	2524.6
65°	2306.1	2311.1	2278.8	2246.6	2254.0
67.5°	2038.0	2052.9	2008.2	1961.1	1993.4
70°	1777.4	1772.4	1737.7	1685.5	1732.7
72.5°	1509.3	1504.3	1464.6	1427.4	1459.6
75°	1241.2	1221.3	1181.6	1164.2	1186.6
77.5°	963.2	940.8	923.4	911.0	921.0
80°	712.4	682.7	667.8	657.8	680.2
82.5°	474.1	451.8	444.3	451.8	446.8
85°	265.6	260.6	260.6	253.2	243.3
87.5°	109.2	114.2	116.7	114.2	109.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)