

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: P567581

Luminaire Tested: **8SNX-174HL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567581
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-174HL-UNV-L850-CD
Description: 8FT 17400 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

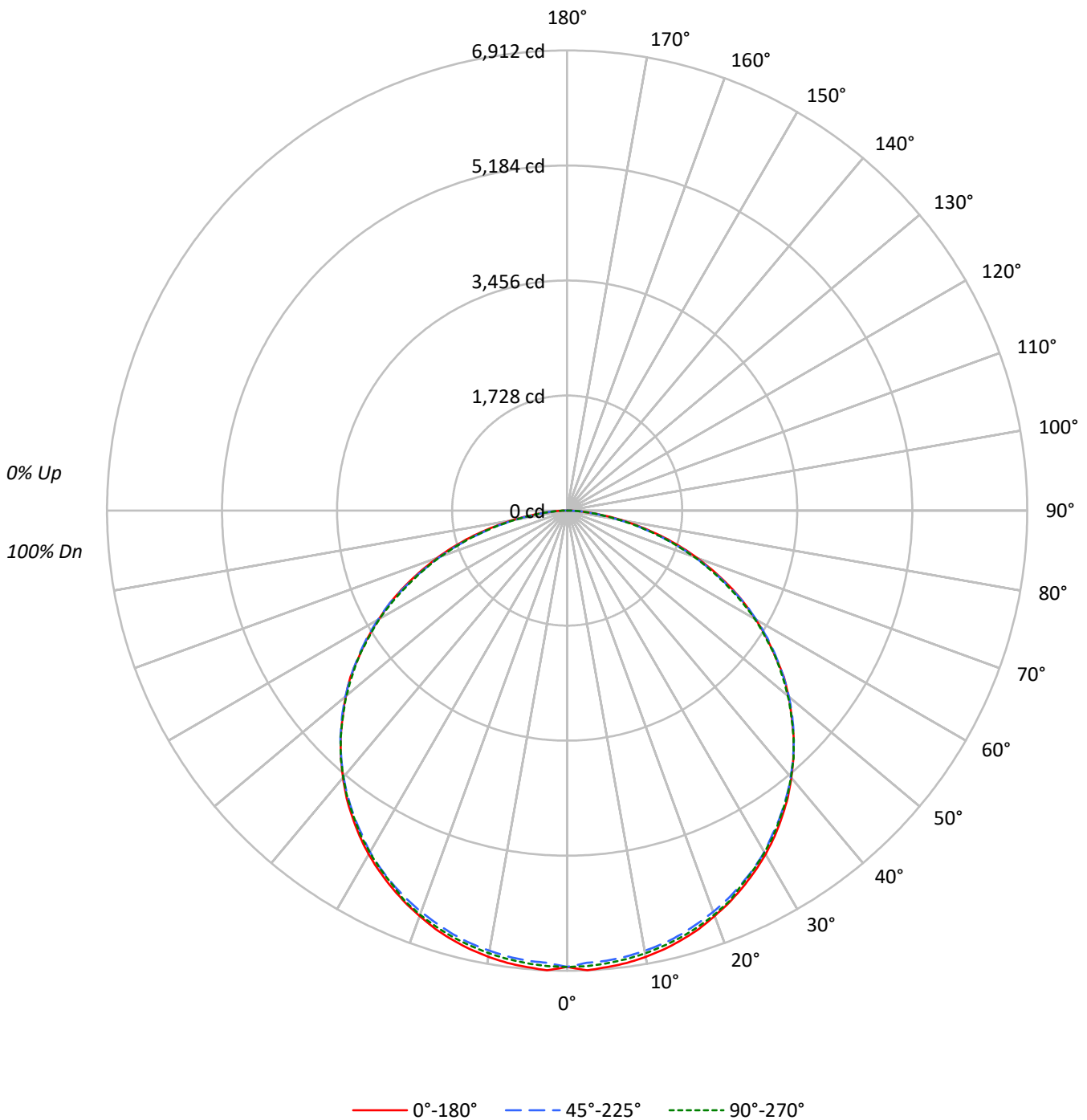
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20517.0 lumens
Efficiency: N/A
Efficacy: 164.9 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): 124.4
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°	36888	36888	36888
5°	37186	36668	36888
10°	37203	36696	36902
15°	37187	36735	36945
20°	37113	36730	36996
25°	37067	36774	36843
30°	37043	36808	36845
35°	36952	36723	36780
40°	36803	36722	36742
45°	36603	36669	36603
50°	36356	36429	36234
55°	35789	35980	35789
60°	35186	35342	35030
65°	34315	33909	33540
70°	32680	31950	31859
75°	30158	28711	28831
80°	25802	24184	24634
85°	19168	18809	17556



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	650.5	3.2
10°-20°	1874.2	9.1
20°-30°	2869.2	14.0
30°-40°	3509.8	17.1
40°-50°	3712.3	18.1
50°-60°	3420.5	16.7
60°-70°	2632.6	12.8
70°-80°	1479.0	7.2
80°-90°	369.0	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°	5393.8	26.3
0°-40°	8903.6	43.4
0°-60°	16036.4	78.2
0°-90°	20517.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	20517.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6854	6854	6854	6854	6854	
5°	6883	6863	6787	6848	6828	655
15°	6674	6657	6593	6651	6631	1884
25°	6242	6236	6193	6236	6204	2879
35°	5624	5616	5589	5616	5598	3520
45°	4809	4824	4818	4806	4809	3708
55°	3814	3849	3834	3823	3814	3416
65°	2695	2700	2663	2625	2634	2658
75°	1450	1427	1381	1360	1386	1527
85°	310	305	305	296	284	383
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6854.0	6854.0	6854.0	6854.0	6854.0
2.5°	6912.0	6874.3	6798.9	6865.6	6848.2
5°	6883.0	6862.7	6787.3	6848.2	6827.9
7.5°	6854.0	6830.8	6758.3	6825.0	6796.0
10°	6807.6	6787.3	6714.8	6778.6	6752.5
12.5°	6746.7	6729.3	6662.6	6723.5	6697.4
15°	6674.2	6656.8	6593.0	6651.0	6630.7
17.5°	6587.2	6566.9	6506.0	6566.9	6552.4
20°	6479.9	6468.3	6413.1	6468.3	6459.6
22.5°	6369.6	6355.1	6311.6	6352.2	6355.1
25°	6242.0	6236.2	6192.7	6236.2	6204.3
27.5°	6108.6	6108.6	6065.1	6094.1	6073.8
30°	5960.7	5957.8	5922.9	5937.5	5928.8
32.5°	5801.1	5798.2	5751.8	5789.5	5775.0
35°	5624.2	5615.5	5589.4	5615.5	5598.1
37.5°	5441.5	5432.8	5412.5	5427.0	5424.1
40°	5238.4	5238.4	5226.8	5238.4	5229.7
42.5°	5029.6	5038.3	5023.8	5035.4	5035.4
45°	4809.1	4823.6	4817.8	4806.2	4809.1
47.5°	4574.2	4600.3	4585.8	4582.9	4568.4
50°	4342.1	4365.3	4350.8	4336.3	4327.6
52.5°	4101.4	4113.0	4095.6	4089.8	4069.5
55°	3814.2	3849.0	3834.5	3822.9	3814.2
57.5°	3550.3	3576.4	3564.8	3541.6	3527.1
60°	3268.9	3289.2	3283.4	3257.3	3254.4
62.5°	2993.4	2999.2	2993.4	2947.0	2949.9
65°	2694.6	2700.4	2662.7	2625.0	2633.7
67.5°	2381.4	2398.8	2346.6	2291.4	2329.2
70°	2076.8	2071.0	2030.4	1969.5	2024.6
72.5°	1763.5	1757.7	1711.3	1667.8	1705.5
75°	1450.3	1427.1	1380.7	1360.4	1386.5
77.5°	1125.4	1099.3	1079.0	1064.5	1076.1
80°	832.5	797.7	780.3	768.6	794.8
82.5°	554.0	527.9	519.2	527.9	522.1
85°	310.4	304.6	304.6	295.9	284.3
87.5°	127.6	133.4	136.3	133.4	127.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)