

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: P567582

Luminaire Tested: **8SNX-174HL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567582
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-L930-CD
Description: 8FT 17400 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

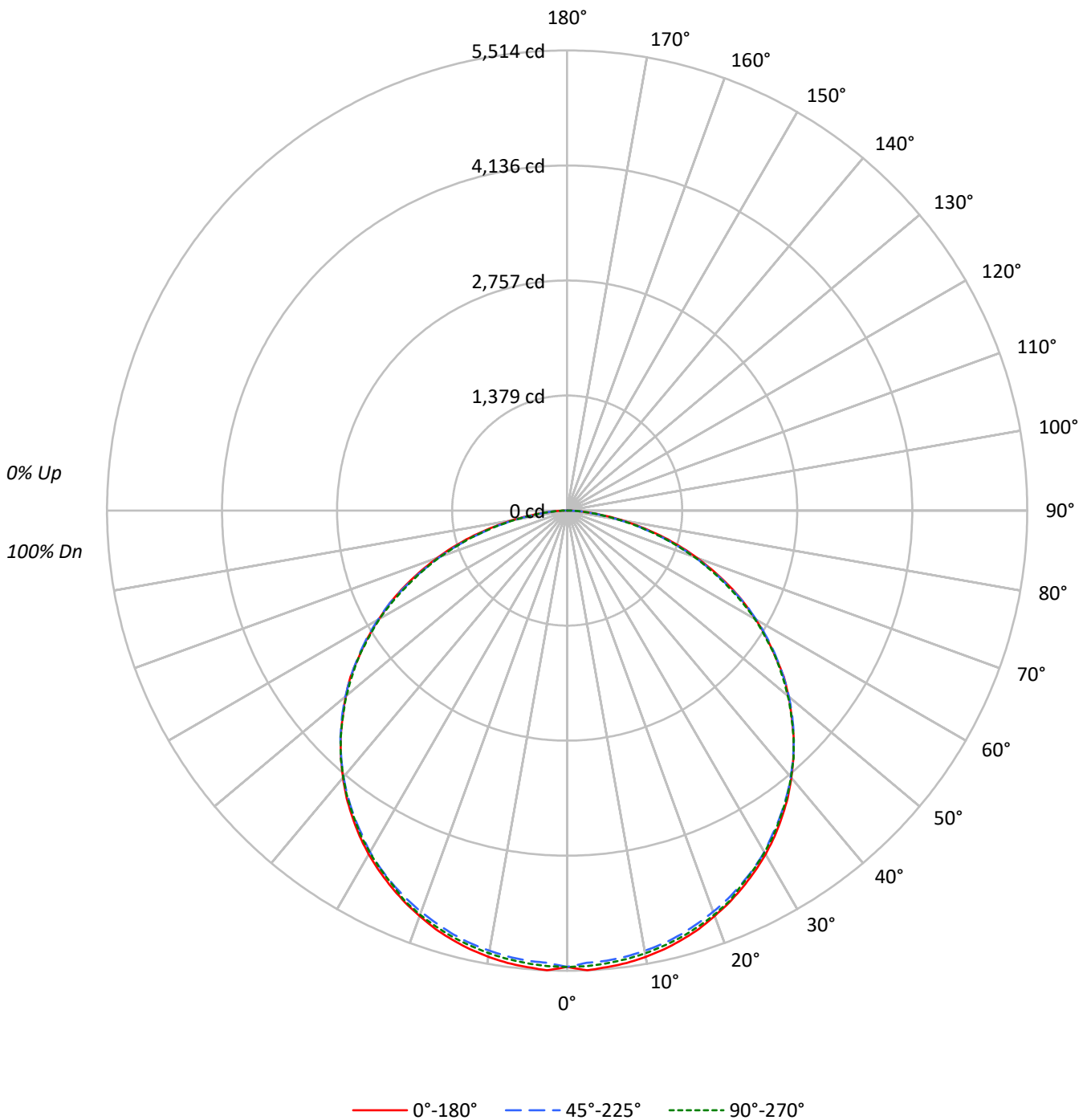
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16367.0 lumens
Efficiency: N/A
Efficacy: 131.6 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°	29427	29427	29427
5°	29664	29251	29426
10°	29678	29274	29438
15°	29665	29304	29472
20°	29606	29301	29513
25°	29569	29336	29391
30°	29550	29363	29392
35°	29478	29295	29341
40°	29359	29294	29310
45°	29200	29252	29200
50°	29003	29060	28906
55°	28550	28702	28550
60°	28069	28194	27945
65°	27375	27050	26756
70°	26069	25487	25415
75°	24057	22903	22998
80°	20583	19290	19650
85°	15290	15006	14005



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	518.9	3.2
10°-20°	1495.1	9.1
20°-30°	2288.8	14.0
30°-40°	2799.9	17.1
40°-50°	2961.4	18.1
50°-60°	2728.6	16.7
60°-70°	2100.1	12.8
70°-80°	1179.9	7.2
80°-90°	294.3	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°	4302.8	26.3
0°-40°	7102.7	43.4
0°-60°	12792.7	78.2
0°-90°	16367.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16367.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5468	5468	5468	5468	5468	
5°	5491	5475	5414	5463	5447	522
15°	5324	5310	5259	5306	5290	1503
25°	4979	4975	4940	4975	4949	2297
35°	4487	4480	4459	4480	4466	2808
45°	3836	3848	3843	3834	3836	2958
55°	3043	3070	3059	3050	3043	2725
65°	2150	2154	2124	2094	2101	2120
75°	1157	1138	1101	1085	1106	1219
85°	248	243	243	236	227	306
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5467.7	5467.7	5467.7	5467.7	5467.7
2.5°	5513.9	5483.9	5423.7	5476.9	5463.0
5°	5490.8	5474.6	5414.4	5463.0	5446.8
7.5°	5467.7	5449.1	5391.3	5444.5	5421.4
10°	5430.6	5414.4	5356.6	5407.5	5386.7
12.5°	5382.0	5368.2	5314.9	5363.5	5342.7
15°	5324.2	5310.3	5259.4	5305.7	5289.5
17.5°	5254.8	5238.6	5190.0	5238.6	5227.0
20°	5169.2	5159.9	5115.9	5159.9	5153.0
22.5°	5081.2	5069.7	5035.0	5067.4	5069.7
25°	4979.4	4974.8	4940.1	4974.8	4949.4
27.5°	4873.0	4873.0	4838.3	4861.4	4845.2
30°	4755.0	4752.7	4724.9	4736.5	4729.5
32.5°	4627.7	4625.4	4588.4	4618.5	4606.9
35°	4486.6	4479.6	4458.8	4479.6	4465.8
37.5°	4340.8	4333.9	4317.7	4329.2	4326.9
40°	4178.8	4178.8	4169.6	4178.8	4171.9
42.5°	4012.2	4019.2	4007.6	4016.9	4016.9
45°	3836.4	3848.0	3843.3	3834.1	3836.4
47.5°	3649.0	3669.8	3658.2	3655.9	3644.3
50°	3463.9	3482.4	3470.8	3459.2	3452.3
52.5°	3271.8	3281.1	3267.2	3262.5	3246.3
55°	3042.7	3070.5	3058.9	3049.7	3042.7
57.5°	2832.2	2853.0	2843.7	2825.2	2813.7
60°	2607.7	2623.9	2619.3	2598.5	2596.2
62.5°	2387.9	2392.5	2387.9	2350.9	2353.2
65°	2149.6	2154.2	2124.1	2094.0	2101.0
67.5°	1899.7	1913.6	1871.9	1828.0	1858.0
70°	1656.7	1652.1	1619.7	1571.1	1615.1
72.5°	1406.8	1402.2	1365.2	1330.5	1360.6
75°	1156.9	1138.4	1101.4	1085.2	1106.0
77.5°	897.8	877.0	860.8	849.2	858.4
80°	664.1	636.3	622.4	613.2	634.0
82.5°	441.9	421.1	414.2	421.1	416.5
85°	247.6	243.0	243.0	236.0	226.8
87.5°	101.8	106.4	108.8	106.4	101.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)