

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: P567578

Luminaire Tested: **8SNX-174HL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567578
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-L830-CD
Description: 8FT 17400 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

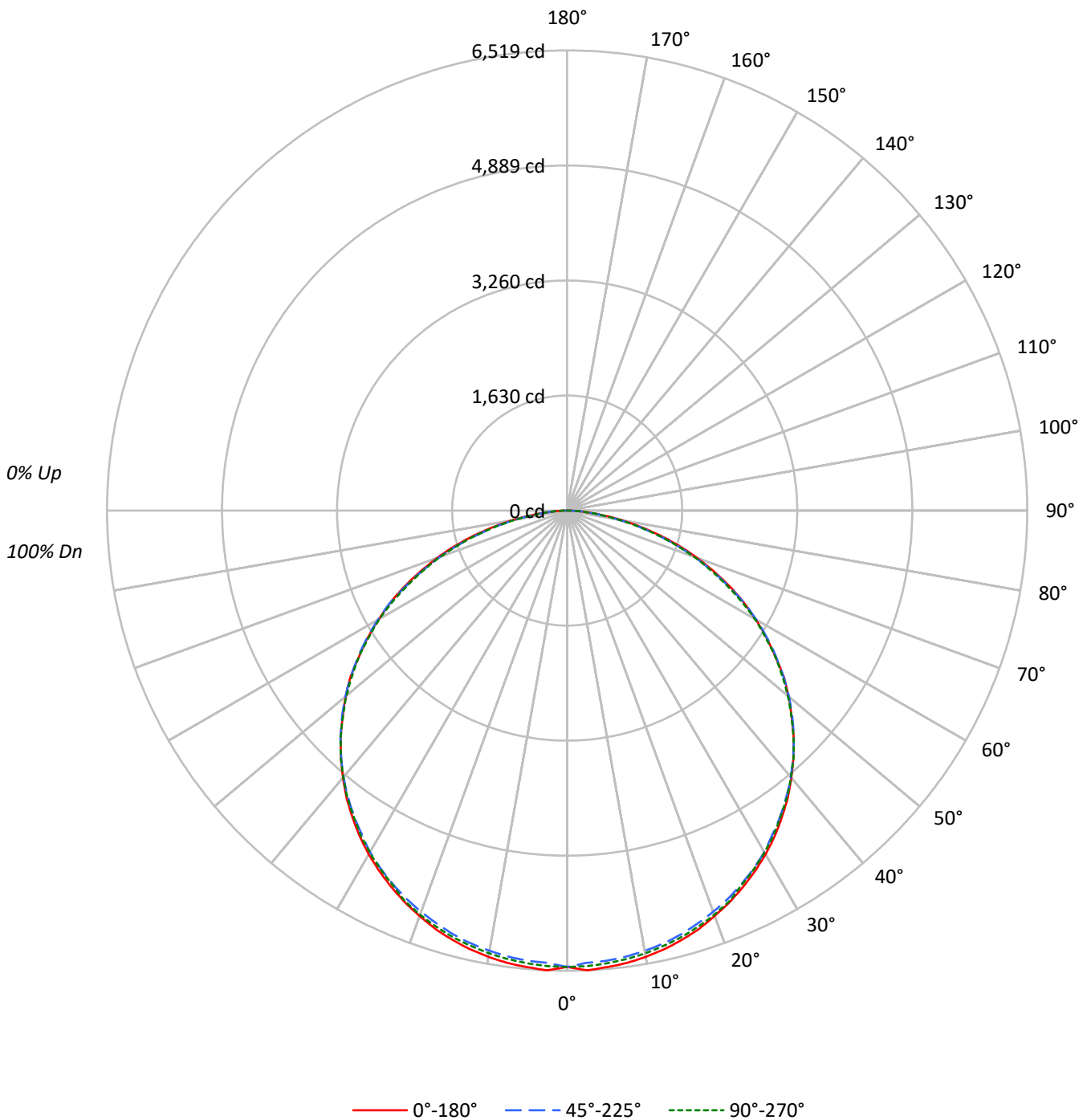
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19350.0 lumens
Efficiency: N/A
Efficacy: 155.5 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): 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°	34790	34790	34790
5°	35070	34583	34790
10°	35087	34609	34803
15°	35072	34646	34843
20°	35002	34641	34892
25°	34959	34683	34748
30°	34936	34715	34749
35°	34850	34635	34688
40°	34710	34633	34653
45°	34522	34584	34522
50°	34288	34357	34174
55°	33754	33933	33754
60°	33185	33333	33038
65°	32364	31981	31632
70°	30822	30132	30046
75°	28442	27076	27191
80°	24333	22808	23230
85°	18075	17735	16555



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	613.5	3.2
10°-20°	1767.6	9.1
20°-30°	2706.0	14.0
30°-40°	3310.2	17.1
40°-50°	3501.1	18.1
50°-60°	3225.9	16.7
60°-70°	2482.9	12.8
70°-80°	1394.9	7.2
80°-90°	348.0	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°	5087.0	26.3
0°-40°	8397.2	43.4
0°-60°	15124.3	78.2
0°-90°	19350.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19350.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6464	6464	6464	6464	6464	
5°	6492	6472	6401	6459	6440	617
15°	6295	6278	6218	6273	6254	1777
25°	5887	5882	5840	5882	5851	2715
35°	5304	5296	5272	5296	5280	3319
45°	4536	4549	4544	4533	4536	3498
55°	3597	3630	3616	3606	3597	3222
65°	2541	2547	2511	2476	2484	2507
75°	1368	1346	1302	1283	1308	1441
85°	293	287	287	279	268	361
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6464.2	6464.2	6464.2	6464.2	6464.2
2.5°	6518.9	6483.3	6412.2	6475.1	6458.7
5°	6491.5	6472.4	6401.3	6458.7	6439.6
7.5°	6464.2	6442.3	6373.9	6436.8	6409.5
10°	6420.4	6401.3	6332.9	6393.1	6368.4
12.5°	6363.0	6346.5	6283.6	6341.1	6316.5
15°	6294.6	6278.2	6218.0	6272.7	6253.5
17.5°	6212.5	6193.4	6135.9	6193.4	6179.7
20°	6111.3	6100.3	6048.4	6100.3	6092.1
22.5°	6007.3	5993.7	5952.6	5990.9	5993.7
25°	5887.0	5881.5	5840.5	5881.5	5851.4
27.5°	5761.1	5761.1	5720.1	5747.5	5728.3
30°	5621.6	5618.9	5586.1	5599.7	5591.5
32.5°	5471.2	5468.4	5424.7	5460.2	5446.5
35°	5304.3	5296.1	5271.5	5296.1	5279.7
37.5°	5131.9	5123.7	5104.6	5118.3	5115.5
40°	4940.5	4940.5	4929.5	4940.5	4932.3
42.5°	4743.5	4751.7	4738.0	4749.0	4749.0
45°	4535.6	4549.3	4543.8	4532.9	4535.6
47.5°	4314.0	4338.6	4325.0	4322.2	4308.5
50°	4095.2	4117.0	4103.4	4089.7	4081.5
52.5°	3868.1	3879.1	3862.6	3857.2	3838.0
55°	3597.3	3630.1	3616.4	3605.5	3597.3
57.5°	3348.3	3373.0	3362.0	3340.1	3326.5
60°	3083.0	3102.1	3096.7	3072.1	3069.3
62.5°	2823.1	2828.6	2823.1	2779.3	2782.1
65°	2541.4	2546.8	2511.3	2475.7	2483.9
67.5°	2245.9	2262.3	2213.1	2161.1	2196.7
70°	1958.7	1953.2	1914.9	1857.5	1909.4
72.5°	1663.2	1657.8	1614.0	1573.0	1608.5
75°	1367.8	1345.9	1302.1	1283.0	1307.6
77.5°	1061.4	1036.8	1017.6	1004.0	1014.9
80°	785.1	752.3	735.9	724.9	749.5
82.5°	522.5	497.9	489.7	497.9	492.4
85°	292.7	287.2	287.2	279.0	268.1
87.5°	120.4	125.8	128.6	125.8	120.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)