

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: P#

Luminaire Tested: **8SNLED-LD5-170HL-UNV-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27410)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-170HL-UNV-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

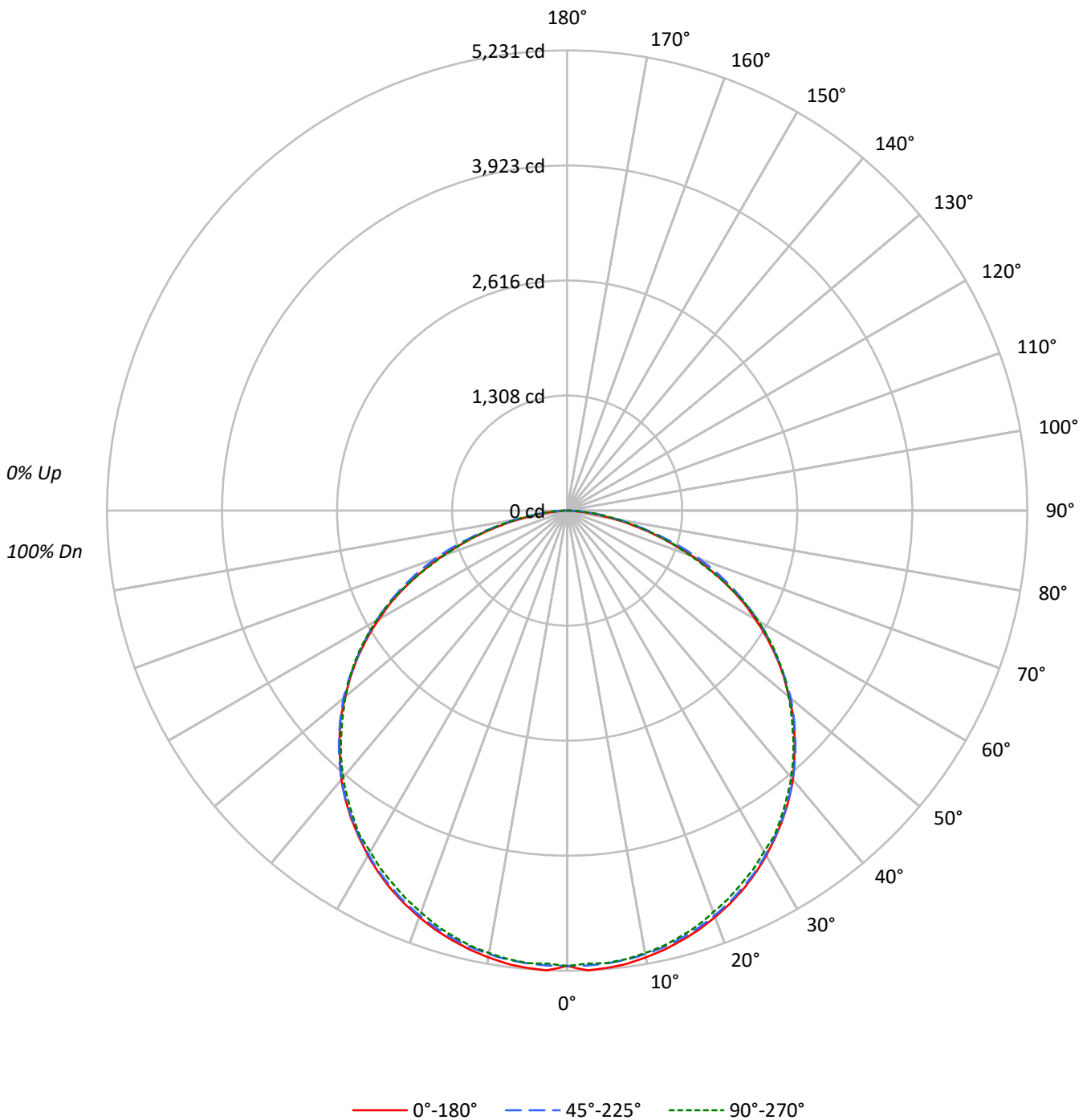
Lumens per Lamp: N/A
Luminaire Lumens: 15529.0 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 124
Input Voltage (V): NR
Input Current (A_{in}): 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	96	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	40	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°	20916	20916	20916
5°	21135	20459	20278
10°	21096	20029	19652
15°	21058	19597	19036
20°	21028	19133	18380
25°	21001	18667	17768
30°	20936	18165	17164
35°	20869	17644	16585
40°	20789	17084	15892
45°	20575	16417	15097
50°	20319	15690	14289
55°	19999	14710	13417
60°	19440	13713	12276
65°	18600	12410	10678
70°	17096	10688	8657
75°	14716	8181	6654
80°	11269	5409	4363
85°	6203	2650	1948



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	491.3	3.2
10°-20°	1416.9	9.1
20°-30°	2168.9	14.0
30°-40°	2657.4	17.1
40°-50°	2810.7	18.1
50°-60°	2594.4	16.7
60°-70°	2002.5	12.9
70°-80°	1111.5	7.2
80°-90°	275.3	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°	4077.2	26.3
0°-40°	6734.5	43.4
0°-60°	12139.7	78.2
0°-90°	15529.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15529.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5177	5177	5177	5177	5177	
5°	5218	5151	5166	5153	5164	496
15°	5055	4996	5032	5014	5009	1428
25°	4745	4688	4727	4686	4683	2187
35°	4277	4231	4270	4223	4246	2676
45°	3657	3623	3667	3629	3634	2822
55°	2902	2879	2913	2910	2926	2590
65°	2011	1990	2068	2055	2016	1983
75°	998	1057	1065	1062	1023	1058
85°	158	233	238	240	222	212
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5176.6	5176.6	5176.6	5176.6	5176.6
2.5°	5230.9	5163.7	5176.6	5168.9	5153.4
5°	5218.0	5150.8	5166.3	5153.4	5163.7
7.5°	5197.3	5124.9	5150.8	5132.7	5143.0
10°	5156.0	5093.9	5119.8	5099.1	5106.9
12.5°	5112.0	5047.4	5083.6	5057.7	5068.1
15°	5055.2	4995.7	5031.9	5013.8	5008.6
17.5°	4993.1	4936.3	4972.5	4951.8	4944.0
20°	4918.2	4863.9	4897.5	4866.5	4858.7
22.5°	4835.5	4781.2	4820.0	4776.0	4778.6
25°	4745.0	4688.2	4726.9	4685.6	4683.0
27.5°	4641.7	4587.4	4628.7	4584.8	4590.0
30°	4527.9	4473.7	4515.0	4471.1	4476.2
32.5°	4403.9	4359.9	4396.1	4354.8	4383.2
35°	4277.2	4230.7	4269.5	4223.0	4246.2
37.5°	4140.3	4096.3	4137.7	4086.0	4106.7
40°	3993.0	3954.2	3990.4	3943.9	3961.9
42.5°	3822.4	3799.1	3835.3	3788.8	3804.3
45°	3657.0	3623.4	3667.3	3628.6	3633.7
47.5°	3491.6	3455.4	3496.7	3463.1	3460.6
50°	3292.6	3279.7	3318.4	3292.6	3290.0
52.5°	3103.9	3078.1	3119.4	3106.5	3114.2
55°	2902.3	2879.1	2912.7	2910.1	2925.6
57.5°	2693.0	2669.7	2713.7	2708.5	2721.4
60°	2470.7	2452.6	2509.5	2496.6	2506.9
62.5°	2253.6	2220.0	2292.4	2282.1	2276.9
65°	2010.7	1990.0	2067.6	2054.6	2015.9
67.5°	1760.0	1752.2	1832.4	1806.5	1741.9
70°	1509.3	1514.5	1592.0	1542.9	1488.6
72.5°	1245.7	1284.5	1331.0	1294.8	1256.0
75°	997.6	1057.0	1064.8	1062.2	1023.4
77.5°	754.7	829.6	811.5	829.6	798.6
80°	527.2	609.9	597.0	612.5	586.7
82.5°	325.6	400.6	403.2	413.5	390.3
85°	157.7	232.6	237.8	240.4	222.3
87.5°	33.6	108.5	111.1	103.4	90.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)