

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-L935-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-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

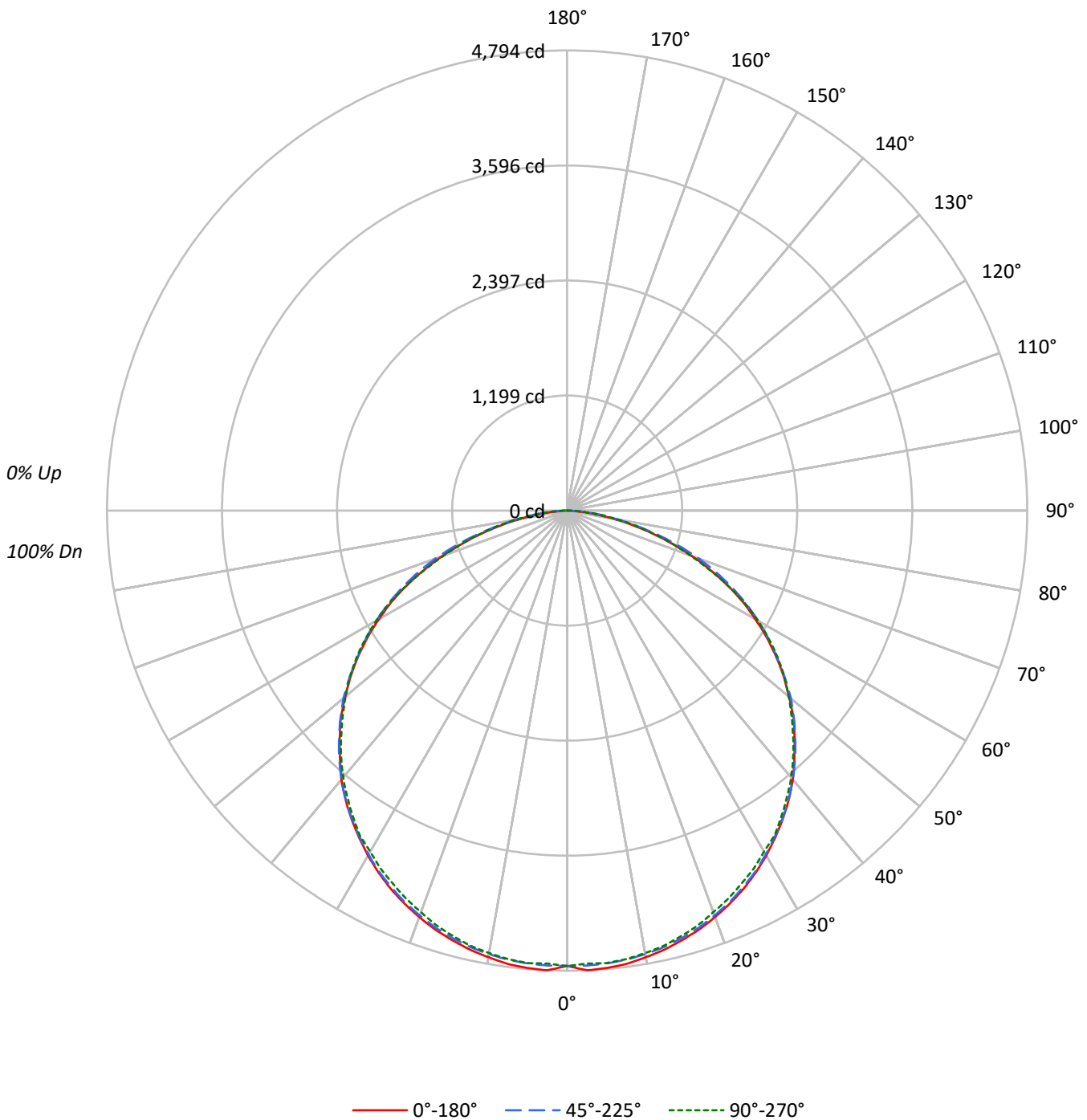
Lumens per Lamp: N/A
Luminaire Lumens: 14231.0 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 124
Input Voltage (V): NR
Input Current (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	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					100			
1	109	104	99	96	106	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19168	19168	19168
5°	19368	18749	18583
10°	19333	18355	18009
15°	19298	17959	17445
20°	19270	17534	16844
25°	19246	17107	16283
30°	19187	16647	15730
35°	19125	16169	15199
40°	19051	15656	14564
45°	18855	15045	13835
50°	18620	14378	13094
55°	18327	13480	12295
60°	17815	12566	11251
65°	17045	11372	9785
70°	15668	9795	7934
75°	13485	7497	6098
80°	10328	4957	3998
85°	5684	2428	1785



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	450.3	3.2
10°-20°	1298.5	9.1
20°-30°	1987.6	14.0
30°-40°	2435.3	17.1
40°-50°	2575.8	18.1
50°-60°	2377.6	16.7
60°-70°	1835.1	12.9
70°-80°	1018.6	7.2
80°-90°	252.3	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°	3736.4	26.3
0°-40°	6171.6	43.4
0°-60°	11125.0	78.2
0°-90°	14231.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14231.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4744	4744	4744	4744	4744	
5°	4782	4720	4734	4723	4732	455
15°	4633	4578	4611	4595	4590	1309
25°	4348	4296	4332	4294	4292	2004
35°	3920	3877	3913	3870	3891	2453
45°	3351	3320	3361	3325	3330	2586
55°	2660	2638	2669	2667	2681	2374
65°	1843	1824	1895	1883	1847	1817
75°	914	969	976	973	938	970
85°	144	213	218	220	204	194
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4743.9	4743.9	4743.9	4743.9	4743.9
2.5°	4793.7	4732.1	4743.9	4736.8	4722.6
5°	4781.8	4720.3	4734.5	4722.6	4732.1
7.5°	4762.9	4696.6	4720.3	4703.7	4713.1
10°	4725.0	4668.1	4691.8	4672.9	4680.0
12.5°	4684.7	4625.5	4658.7	4635.0	4644.5
15°	4632.6	4578.2	4611.3	4594.7	4590.0
17.5°	4575.8	4523.7	4556.8	4537.9	4530.8
20°	4507.1	4457.4	4488.2	4459.7	4452.6
22.5°	4431.3	4381.6	4417.1	4376.8	4379.2
25°	4348.4	4296.3	4331.8	4293.9	4291.6
27.5°	4253.7	4203.9	4241.8	4201.6	4206.3
30°	4149.5	4099.7	4137.6	4097.4	4102.1
32.5°	4035.8	3995.5	4028.7	3990.8	4016.8
35°	3919.7	3877.1	3912.6	3870.0	3891.3
37.5°	3794.2	3753.9	3791.8	3744.5	3763.4
40°	3659.2	3623.7	3656.8	3614.2	3630.8
42.5°	3502.9	3481.6	3514.7	3472.1	3486.3
45°	3351.3	3320.5	3360.8	3325.3	3330.0
47.5°	3199.7	3166.6	3204.5	3173.7	3171.3
50°	3017.4	3005.5	3041.0	3017.4	3015.0
52.5°	2844.5	2820.8	2858.7	2846.8	2853.9
55°	2659.7	2638.4	2669.2	2666.8	2681.0
57.5°	2467.9	2446.6	2486.8	2482.1	2493.9
60°	2264.2	2247.6	2299.7	2287.9	2297.4
62.5°	2065.3	2034.5	2100.8	2091.3	2086.6
65°	1842.6	1823.7	1894.7	1882.9	1847.4
67.5°	1612.9	1605.8	1679.2	1655.5	1596.3
70°	1383.2	1387.9	1458.9	1413.9	1364.2
72.5°	1141.6	1177.1	1219.7	1186.6	1151.1
75°	914.2	968.7	975.8	973.4	937.9
77.5°	691.6	760.3	743.7	760.3	731.8
80°	483.2	558.9	547.1	561.3	537.6
82.5°	298.4	367.1	369.5	378.9	357.6
85°	144.5	213.2	217.9	220.3	203.7
87.5°	30.8	99.5	101.8	94.7	82.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)