

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-L940-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-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

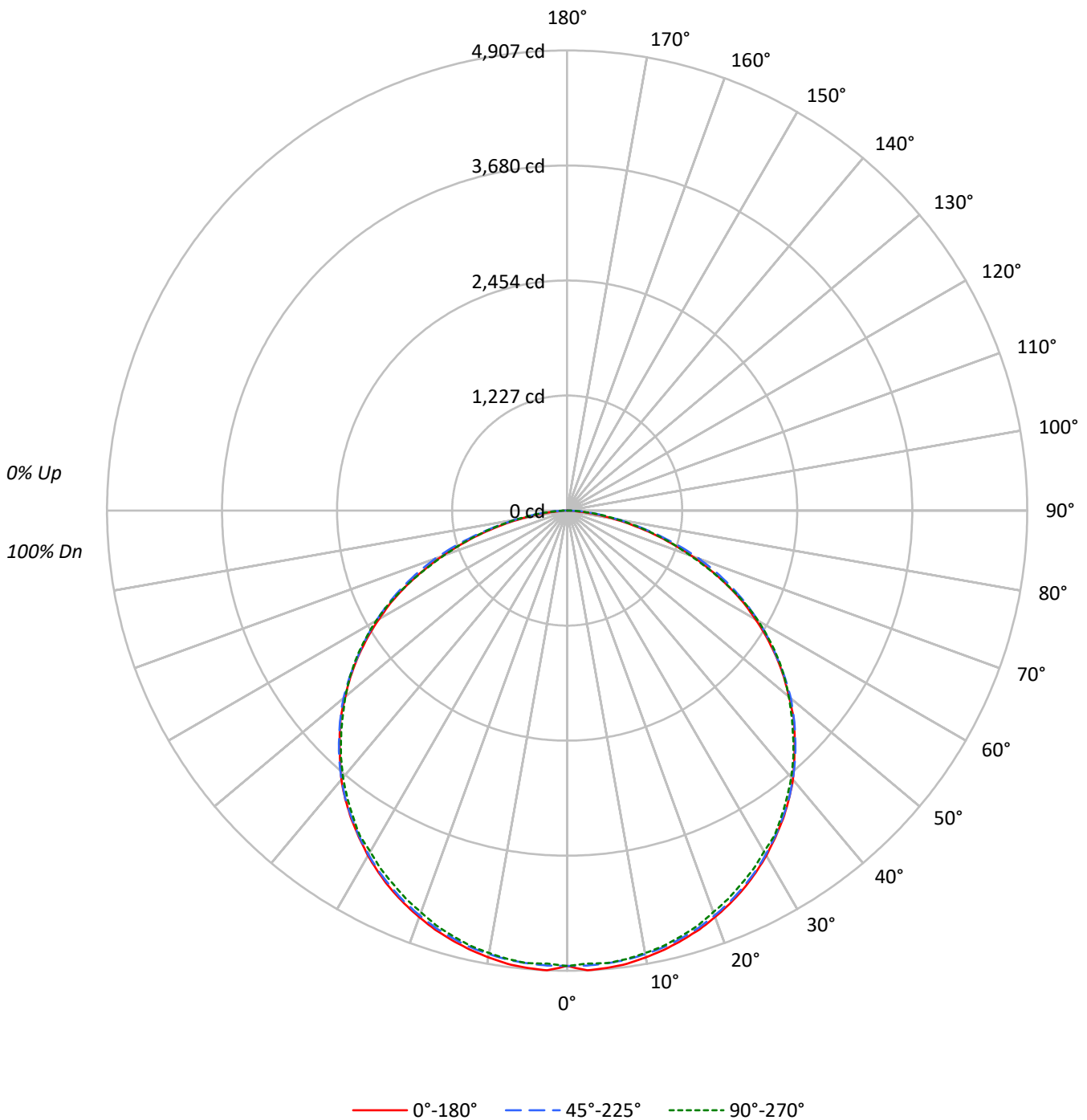
Lumens per Lamp: N/A
Luminaire Lumens: 14568.0 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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	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°	19622	19622	19622
5°	19827	19193	19023
10°	19791	18790	18436
15°	19755	18384	17859
20°	19726	17949	17243
25°	19702	17512	16668
30°	19641	17041	16102
35°	19578	16552	15559
40°	19502	16027	14908
45°	19302	15401	14163
50°	19061	14719	13404
55°	18761	13799	12586
60°	18237	12864	11517
65°	17450	11641	10017
70°	16038	10027	8122
75°	13806	7675	6243
80°	10572	5075	4093
85°	5818	2486	1827



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	460.9	3.2
10°-20°	1329.2	9.1
20°-30°	2034.7	14.0
30°-40°	2492.9	17.1
40°-50°	2636.8	18.1
50°-60°	2433.9	16.7
60°-70°	1878.6	12.9
70°-80°	1042.7	7.2
80°-90°	258.3	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°	3824.8	26.3
0°-40°	6317.8	43.4
0°-60°	11388.5	78.2
0°-90°	14568.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14568.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4856	4856	4856	4856	4856	
5°	4895	4832	4847	4834	4844	465
15°	4742	4687	4720	4704	4699	1340
25°	4451	4398	4434	4396	4393	2052
35°	4013	3969	4005	3962	3984	2511
45°	3431	3399	3440	3404	3409	2648
55°	2723	2701	2732	2730	2744	2430
65°	1886	1867	1940	1928	1891	1860
75°	936	992	999	996	960	993
85°	148	218	223	226	208	199
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4856.3	4856.3	4856.3	4856.3	4856.3
2.5°	4907.2	4844.2	4856.3	4849.0	4834.5
5°	4895.1	4832.0	4846.6	4834.5	4844.2
7.5°	4875.7	4807.8	4832.0	4815.1	4824.8
10°	4836.9	4778.7	4802.9	4783.5	4790.8
12.5°	4795.7	4735.1	4769.0	4744.8	4754.4
15°	4742.3	4686.6	4720.5	4703.5	4698.7
17.5°	4684.1	4630.8	4664.7	4645.3	4638.1
20°	4613.8	4562.9	4594.4	4565.3	4558.1
22.5°	4536.2	4485.3	4521.7	4480.5	4482.9
25°	4451.4	4398.0	4434.4	4395.6	4393.2
27.5°	4354.4	4303.5	4342.3	4301.1	4305.9
30°	4247.7	4196.8	4235.6	4194.4	4199.2
32.5°	4131.4	4090.1	4124.1	4085.3	4112.0
35°	4012.6	3968.9	4005.3	3961.6	3983.5
37.5°	3884.1	3842.8	3881.6	3833.1	3852.5
40°	3745.9	3709.5	3743.4	3699.8	3716.8
42.5°	3585.8	3564.0	3598.0	3554.3	3568.9
45°	3430.7	3399.2	3440.4	3404.0	3408.9
47.5°	3275.5	3241.6	3280.4	3248.8	3246.4
50°	3088.8	3076.7	3113.1	3088.8	3086.4
52.5°	2911.8	2887.6	2926.4	2914.3	2921.5
55°	2722.7	2700.9	2732.4	2730.0	2744.5
57.5°	2526.3	2504.5	2545.7	2540.9	2553.0
60°	2317.8	2300.9	2354.2	2342.1	2351.8
62.5°	2114.2	2082.6	2150.5	2140.8	2136.0
65°	1886.3	1866.9	1939.6	1927.5	1891.1
67.5°	1651.1	1643.8	1719.0	1694.7	1634.1
70°	1415.9	1420.8	1493.5	1447.4	1396.5
72.5°	1168.6	1205.0	1248.6	1214.7	1178.3
75°	935.9	991.6	998.9	996.5	960.1
77.5°	708.0	778.3	761.3	778.3	749.2
80°	494.6	572.2	560.1	574.6	550.4
82.5°	305.5	375.8	378.2	387.9	366.1
85°	147.9	218.2	223.1	225.5	208.5
87.5°	31.5	101.8	104.3	97.0	84.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)