

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: P730612

Luminaire Tested: **HBLED-LD5-18SE-W-A-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730612
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23761)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-18SE-W-A-UNV-L750
Description: 18000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17666.0 lumens
Efficiency: N/A
Efficacy: 153.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.2 / 1.27
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

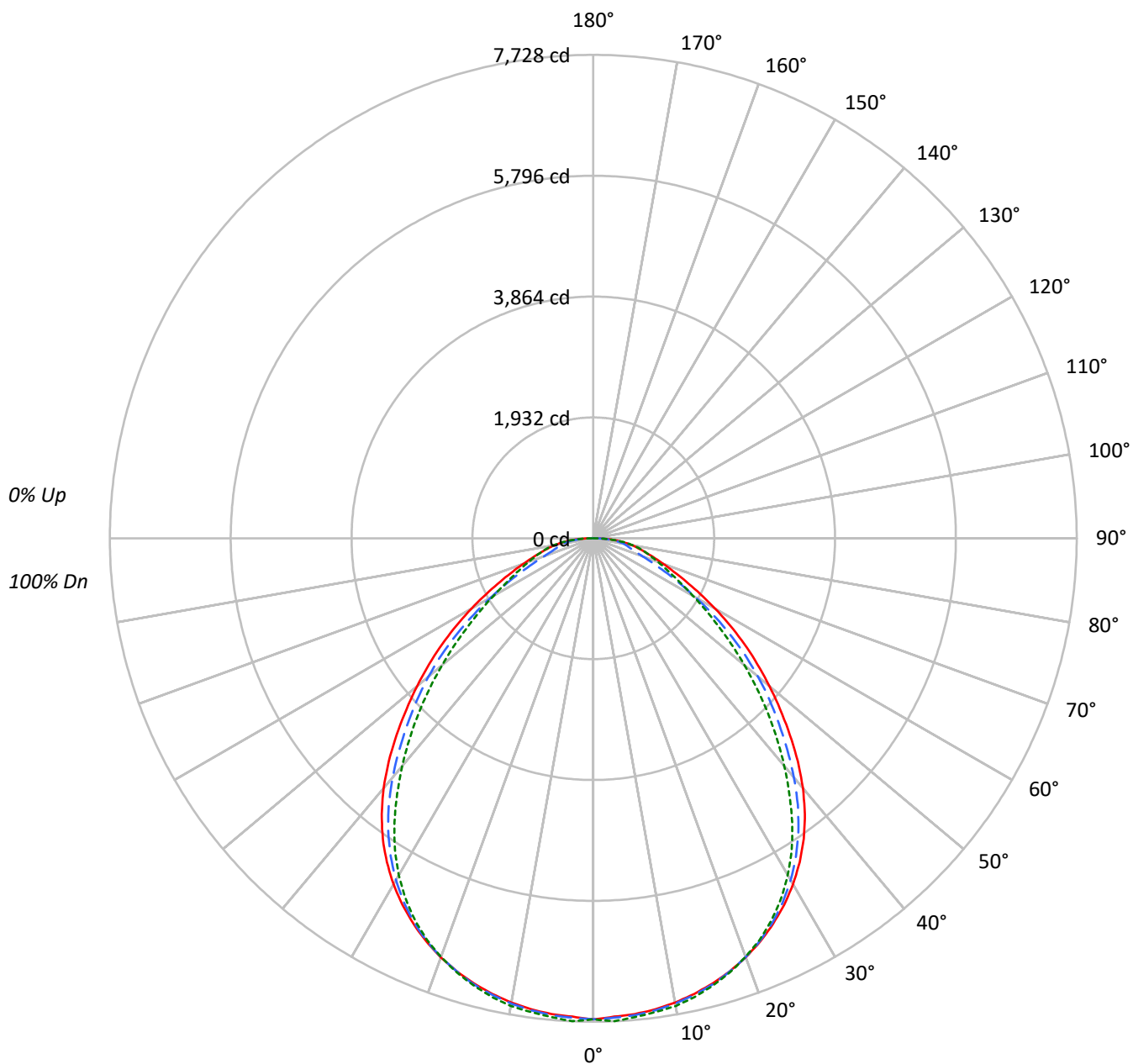
Input Watts (W): 114.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	93	83	75	70	90	81	75	69	79	73	68	76	71	67	73	69	65	63		
4	85	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57	55		
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49		
6	73	61	52	46	72	60	52	46	58	51	46	56	50	45	55	49	45	43		
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	47	41	36	35		
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12417	12417	12417
5°	12373	12401	12451
10°	12355	12384	12446
15°	12314	12339	12368
20°	12249	12241	12232
25°	12117	12075	12007
30°	11907	11763	11592
35°	11561	11271	10924
40°	10986	10515	10010
45°	10149	9583	9003
50°	9226	8629	7919
55°	8296	7471	6846
60°	7260	6105	5940
65°	6259	4801	5361
70°	5580	3918	5167
75°	5346	3825	5399
80°	5782	4524	6016
85°	6491	5446	6556



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	728.9	4.1
10°-20°	2085.9	11.8
20°-30°	3120.3	17.7
30°-40°	3560.0	20.2
40°-50°	3240.6	18.3
50°-60°	2379.6	13.5
60°-70°	1405.0	8.0
70°-80°	805.2	4.6
80°-90°	340.5	1.9
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°	5935.1	33.6
0°-40°	9495.1	53.7
0°-60°	15115.3	85.6
0°-90°	17666.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17666.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7690	7690	7690	7690	7690	
5°	7634	7682	7651	7682	7682	726
15°	7367	7408	7382	7408	7399	2079
25°	6801	6826	6778	6775	6740	3131
35°	5866	5837	5718	5620	5542	3654
45°	4445	4419	4197	4009	3943	3425
55°	2947	2811	2654	2461	2432	2636
65°	1638	1430	1257	1344	1403	1649
75°	857	735	613	800	866	924
85°	350	324	294	347	354	366
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7690.3	7690.3	7690.3	7690.3	7690.3
2.5°	7654.7	7699.0	7671.2	7701.6	7727.6
5°	7634.0	7681.7	7651.3	7681.7	7682.5
7.5°	7595.8	7640.0	7610.5	7643.5	7640.0
10°	7535.9	7580.2	7553.3	7588.9	7591.5
12.5°	7459.6	7502.1	7474.4	7515.1	7508.2
15°	7366.8	7407.5	7381.5	7407.5	7398.9
17.5°	7257.5	7294.8	7261.0	7289.6	7274.9
20°	7129.2	7160.4	7124.0	7150.8	7118.8
22.5°	6975.7	7003.4	6965.2	6980.0	6947.0
25°	6801.3	6825.6	6777.9	6775.3	6739.7
27.5°	6607.0	6620.1	6559.3	6538.5	6497.8
30°	6386.8	6390.2	6309.6	6270.6	6217.6
32.5°	6139.5	6130.9	6027.7	5969.6	5904.5
35°	5865.5	5836.9	5718.1	5620.1	5542.0
37.5°	5555.9	5510.8	5368.6	5223.7	5149.1
40°	5212.4	5159.6	4988.7	4809.1	4749.3
42.5°	4838.7	4793.6	4592.3	4405.0	4346.0
45°	4444.9	4418.9	4196.8	4008.6	3942.7
47.5°	4051.1	4032.1	3815.3	3623.6	3543.7
50°	3673.0	3631.3	3435.4	3225.4	3152.7
52.5°	3306.1	3221.1	3048.6	2833.4	2779.7
55°	2947.1	2810.9	2654.0	2461.4	2431.9
57.5°	2591.5	2415.4	2262.8	2118.8	2117.9
60°	2248.1	2046.8	1890.7	1815.2	1839.6
62.5°	1926.2	1719.8	1550.7	1555.9	1600.2
65°	1638.3	1430.1	1256.7	1344.3	1403.3
67.5°	1391.2	1192.5	1016.5	1179.5	1235.9
70°	1182.1	1002.6	830.0	1033.8	1094.5
72.5°	1006.1	855.1	699.9	912.4	974.0
75°	856.9	734.6	613.2	799.7	865.5
77.5°	735.5	627.0	549.9	692.1	760.6
80°	621.9	526.5	486.6	588.1	647.0
82.5°	492.6	426.7	403.3	477.9	508.2
85°	350.4	323.5	294.0	346.9	353.9
87.5°	192.5	199.5	164.8	199.5	200.3
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)