

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: P730635

Luminaire Tested: **HBLED-LD5-18SE-W-CLI-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730635
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23766)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-18SE-W-CLI-UNV-L740
Description: 18000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18232.0 lumens
Efficiency: N/A
Efficacy: 158.8 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

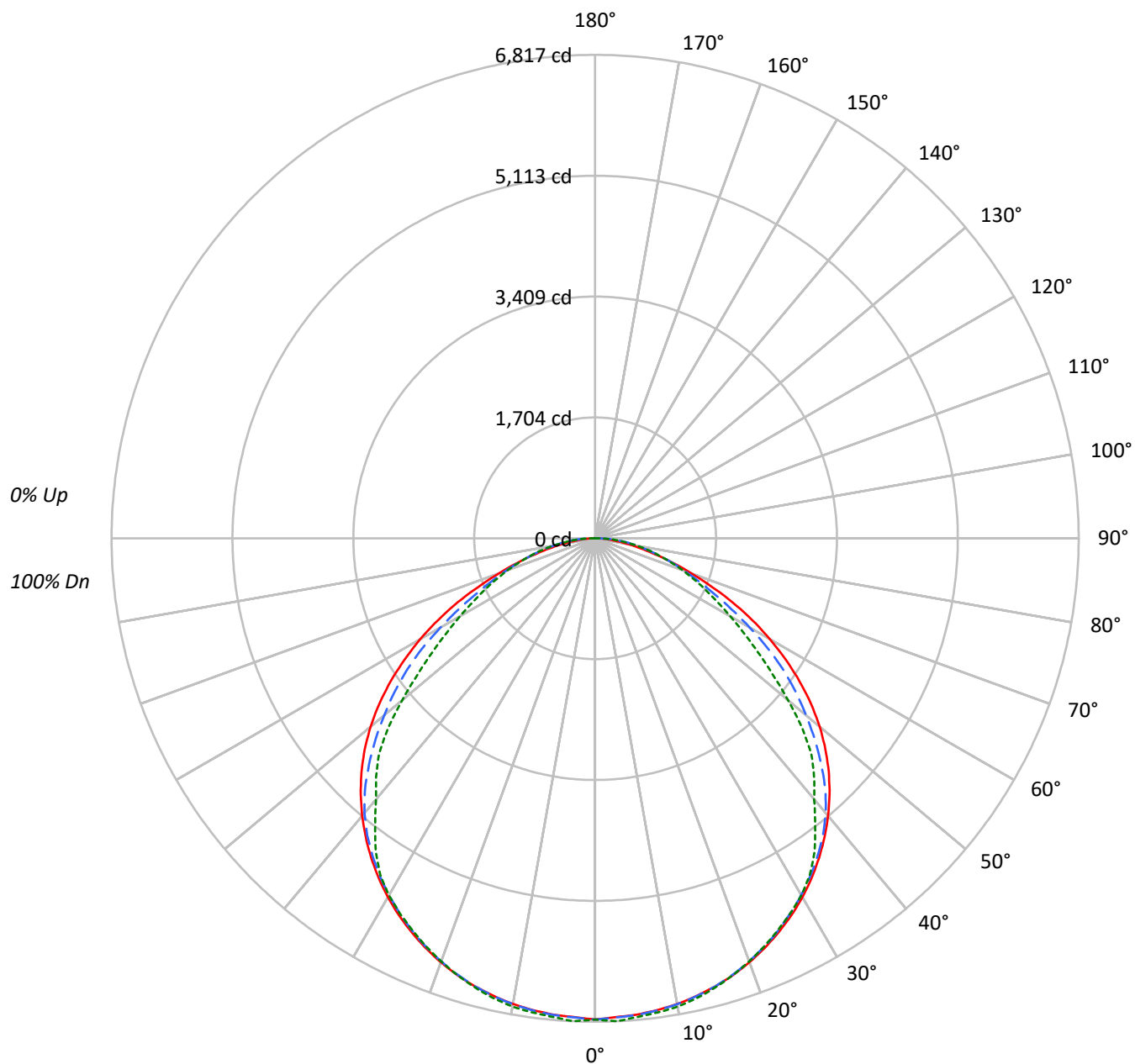
Input Watts (W): 114.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10957	10957	10957
5°	10927	10935	10984
10°	10933	10939	10996
15°	10935	10933	10959
20°	10932	10907	10910
25°	10915	10875	10862
30°	10897	10832	10838
35°	10846	10779	10627
40°	10769	10659	10122
45°	10633	10292	9842
50°	10377	9744	8914
55°	9904	9113	7882
60°	9192	8131	7108
65°	8170	7040	6536
70°	6780	6292	6161
75°	5483	5758	5829
80°	4355	5507	5484
85°	3411	5917	5643



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	643.6	3.5
10°-20°	1851.1	10.2
20°-30°	2822.6	15.5
30°-40°	3415.0	18.7
40°-50°	3459.1	19.0
50°-60°	2859.0	15.7
60°-70°	1888.3	10.4
70°-80°	984.7	5.4
80°-90°	308.7	1.7
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°	5317.3	29.2
0°-40°	8732.3	47.9
0°-60°	15050.3	82.5
0°-90°	18232.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18232.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6786	6786	6786	6786	6786	
5°	6742	6783	6747	6776	6777	641
15°	6542	6575	6541	6561	6556	1847
25°	6127	6152	6104	6120	6097	2825
35°	5503	5510	5469	5461	5391	3442
45°	4656	4644	4507	4367	4310	3586
55°	3518	3466	3238	2923	2800	3136
65°	2138	2076	1843	1723	1711	2112
75°	879	894	923	935	934	958
85°	184	237	319	317	305	223
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6786.0	6786.0	6786.0	6786.0	6786.0
2.5°	6757.6	6797.5	6764.0	6793.4	6817.0
5°	6742.0	6782.8	6746.9	6776.3	6777.1
7.5°	6712.0	6752.7	6716.0	6745.3	6744.5
10°	6668.7	6707.1	6672.0	6707.1	6707.1
12.5°	6610.1	6647.5	6613.4	6645.9	6641.0
15°	6541.7	6575.0	6540.9	6561.2	6556.3
17.5°	6461.0	6491.2	6452.8	6469.9	6460.2
20°	6362.4	6390.1	6347.8	6369.8	6349.4
22.5°	6251.6	6277.7	6234.5	6250.9	6228.0
25°	6127.0	6151.5	6104.2	6119.7	6096.9
27.5°	5992.6	6014.6	5961.6	5980.4	5962.4
30°	5845.1	5855.7	5810.1	5834.6	5813.4
32.5°	5680.6	5687.1	5647.1	5669.1	5633.3
35°	5502.9	5510.3	5468.8	5461.4	5391.4
37.5°	5313.2	5316.4	5277.3	5211.3	5095.6
40°	5109.5	5107.9	5057.4	4905.0	4802.4
42.5°	4891.9	4891.2	4802.4	4628.8	4570.2
45°	4656.5	4644.4	4507.4	4367.3	4310.3
47.5°	4404.0	4391.0	4199.5	4088.0	3958.4
50°	4131.1	4108.3	3879.4	3727.0	3548.6
52.5°	3837.0	3801.9	3569.0	3323.0	3154.3
55°	3518.5	3466.3	3237.5	2923.0	2800.0
57.5°	3186.9	3109.5	2887.1	2580.8	2480.6
60°	2846.4	2760.0	2518.1	2266.4	2201.2
62.5°	2496.1	2410.6	2163.7	1973.9	1938.0
65°	2138.5	2076.5	1842.7	1723.0	1710.8
67.5°	1771.9	1749.9	1571.4	1510.4	1505.5
70°	1436.2	1432.2	1332.8	1301.8	1305.1
72.5°	1147.9	1143.0	1128.3	1112.8	1113.6
75°	879.0	894.5	923.0	935.2	934.4
77.5°	655.8	687.6	747.8	772.3	768.2
80°	468.4	515.7	592.3	615.1	589.8
82.5°	312.0	361.7	452.1	455.4	435.0
85°	184.1	237.0	319.4	316.9	304.6
87.5°	91.2	142.6	191.4	183.3	175.2
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)