

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: P730624

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730624
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23762)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-18SE-W-CL-UNV-L750
Description: 18000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
& DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18128.0 lumens
Efficiency: N/A
Efficacy: 157.9 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

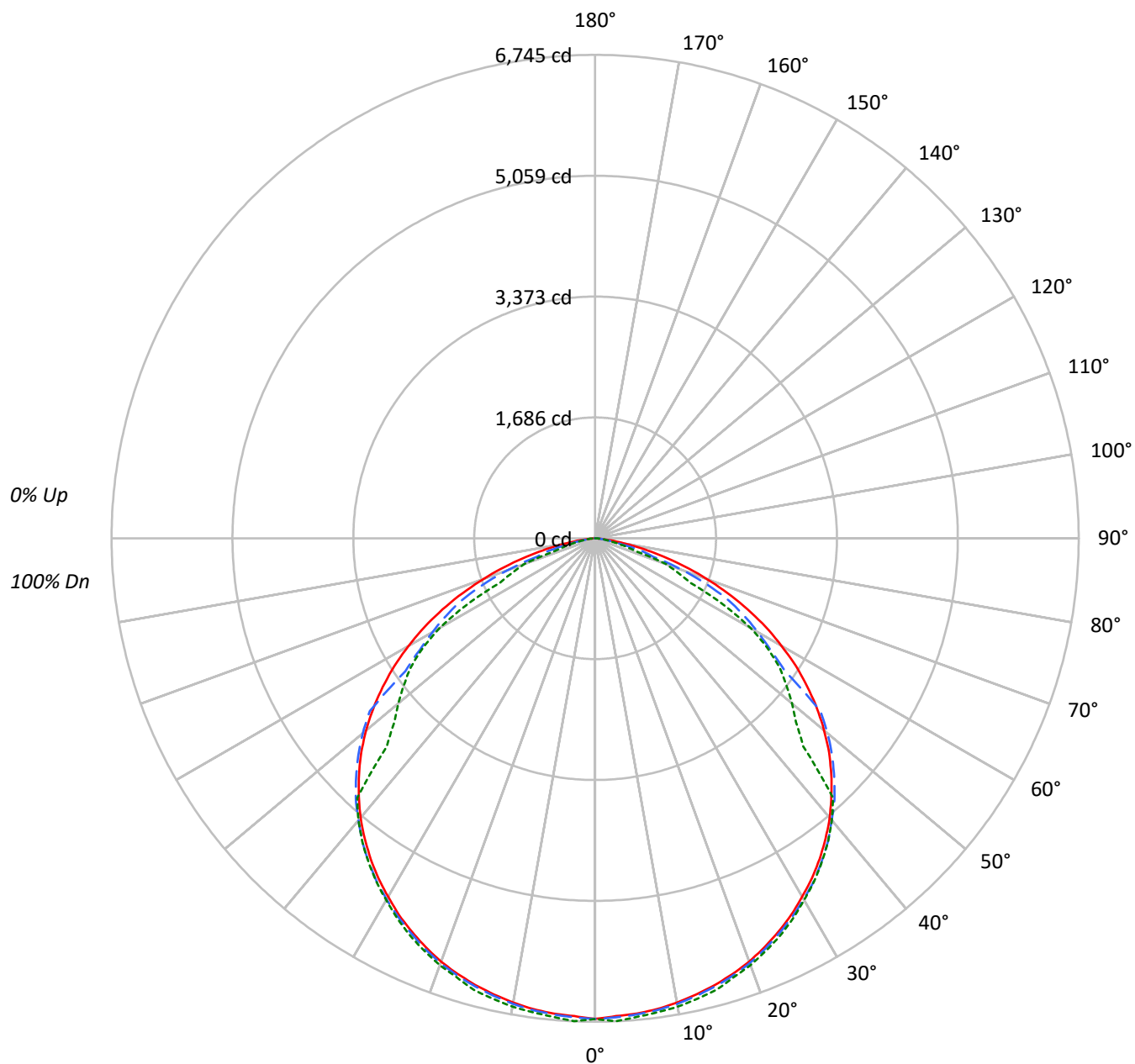
Input Watts (W): 114.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62		
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46		
6	72	59	50	44	70	58	49	43	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29		
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10827	10827	10827
5°	10787	10811	10864
10°	10786	10817	10880
15°	10785	10818	10906
20°	10799	10839	10890
25°	10787	10827	10893
30°	10766	10845	10870
35°	10761	10859	10867
40°	10728	10822	10822
45°	10635	10764	9379
50°	10471	10629	8999
55°	10174	9099	8839
60°	9697	8458	8076
65°	8968	7851	5593
70°	7809	6109	4983
75°	6168	4100	2679
80°	3970	1958	1670
85°	1634	1195	1315



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	636.1	3.5
10°-20°	1833.4	10.1
20°-30°	2810.9	15.5
30°-40°	3445.1	19.0
40°-50°	3541.9	19.5
50°-60°	3022.8	16.7
60°-70°	1998.4	11.0
70°-80°	740.4	4.1
80°-90°	99.0	0.5
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°	5280.3	29.1
0°-40°	8725.5	48.1
0°-60°	15290.2	84.3
0°-90°	18128.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18128.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6706	6706	6706	6706	6706	
5°	6656	6702	6670	6696	6703	633
15°	6452	6492	6472	6521	6524	1823
25°	6055	6087	6078	6132	6114	2792
35°	5460	5497	5509	5544	5514	3415
45°	4658	4704	4714	4707	4108	3590
55°	3614	3680	3232	3138	3140	3225
65°	2347	2367	2055	1690	1464	2315
75°	989	866	657	442	429	1061
85°	88	63	64	70	71	146
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6705.5	6705.5	6705.5	6705.5	6705.5
2.5°	6672.8	6714.5	6689.9	6721.0	6744.6
5°	6655.7	6702.2	6670.3	6696.5	6703.0
7.5°	6626.3	6669.5	6640.1	6674.4	6669.5
10°	6579.0	6618.1	6597.7	6633.7	6636.0
12.5°	6518.5	6557.7	6538.9	6583.0	6582.2
15°	6452.4	6491.6	6471.9	6521.0	6524.3
17.5°	6374.8	6410.8	6396.0	6441.0	6423.0
20°	6285.0	6316.0	6308.6	6351.1	6338.0
22.5°	6174.7	6206.6	6199.3	6248.3	6228.6
25°	6054.8	6086.6	6077.6	6132.3	6114.4
27.5°	5925.0	5955.1	5954.3	6005.8	5978.0
30°	5774.7	5814.8	5817.2	5862.9	5830.2
32.5°	5626.2	5663.7	5674.3	5707.8	5680.1
35°	5459.6	5497.1	5509.4	5543.7	5513.5
37.5°	5279.9	5311.8	5333.8	5359.1	5335.5
40°	5089.7	5118.3	5134.7	5165.6	5134.7
42.5°	4877.4	4918.3	4941.2	4963.2	4912.6
45°	4657.8	4704.3	4714.2	4706.8	4107.5
47.5°	4425.2	4475.8	4481.5	3908.4	3798.1
50°	4168.8	4232.5	4231.7	3611.9	3582.6
52.5°	3901.8	3963.1	3960.6	3380.1	3360.5
55°	3614.4	3680.5	3232.3	3138.4	3140.1
57.5°	3321.3	3368.6	2900.1	2904.1	2850.2
60°	3002.9	3047.8	2619.2	2593.9	2500.8
62.5°	2683.7	2702.5	2347.3	2224.0	2046.8
65°	2347.3	2366.9	2055.0	1690.0	1463.9
67.5°	2002.0	2021.5	1705.5	1257.3	1240.1
70°	1654.1	1494.1	1294.1	1047.5	1055.6
72.5°	1311.2	1147.9	845.8	811.5	586.2
75°	988.7	866.2	657.2	441.7	429.4
77.5°	688.3	596.8	351.9	301.3	281.7
80°	427.0	299.6	210.6	187.0	179.6
82.5°	216.4	172.3	114.3	114.3	114.3
85°	88.2	62.9	64.5	70.2	71.0
87.5°	18.8	25.3	31.0	31.9	31.0
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)