

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: P730628

Luminaire Tested: **HBLED-LD5-18SE-W-CL-WG-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730628
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33385)
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-WG-UNV-L735
Description: 18000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS,
WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16895.0 lumens
Efficiency: N/A
Efficacy: 147.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.3 / 1.33
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

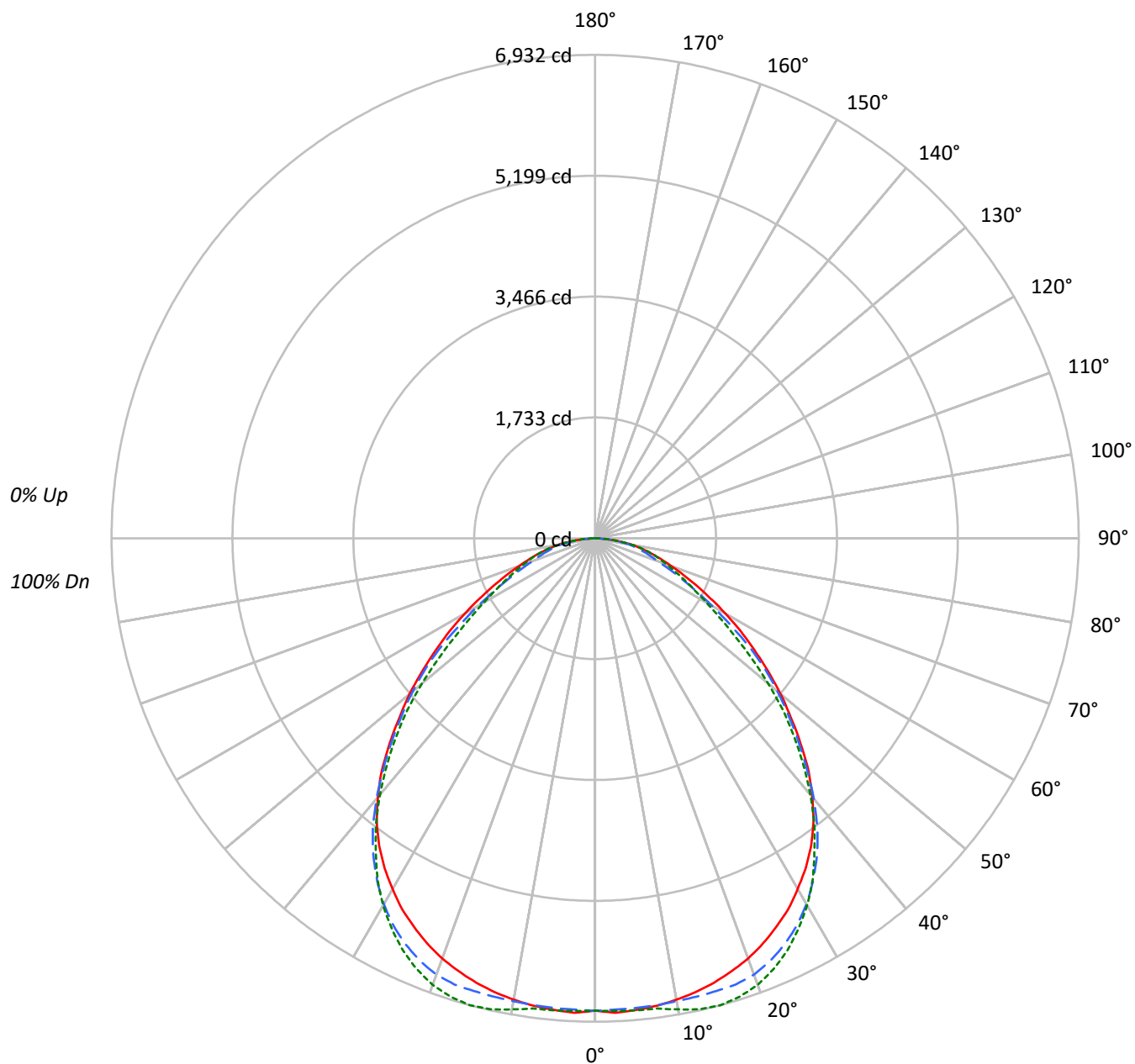
Input Watts (W): 114.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65	63		
4	85	74	66	59	83	73	65	59	70	64	58	68	62	57	66	61	57	55		
5	79	67	58	52	77	65	57	52	63	56	51	61	55	50	60	54	50	48		
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44	42		
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	38		
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36	34		
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31		
10	56	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10938	10938	10938
5°	11002	10957	11011
10°	11012	11049	11247
15°	11026	11233	11587
20°	11018	11439	11706
25°	10951	11449	11617
30°	10825	11297	11333
35°	10632	10931	10801
40°	10212	10275	10113
45°	9516	9416	9224
50°	8712	8572	8133
55°	7826	7535	6876
60°	6940	6235	5936
65°	6115	5181	5387
70°	5469	4496	5131
75°	5123	4371	5188
80°	4987	4419	4939
85°	3981	3496	3625



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	645.3	3.8
10°-20°	1900.9	11.3
20°-30°	2924.3	17.3
30°-40°	3412.8	20.2
40°-50°	3171.4	18.8
50°-60°	2350.7	13.9
60°-70°	1437.0	8.5
70°-80°	818.5	4.8
80°-90°	234.1	1.4
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°	5470.5	32.4
0°-40°	8883.2	52.6
0°-60°	14405.3	85.3
0°-90°	16895.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16895.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6774	6774	6774	6774	6774	
5°	6788	6757	6760	6755	6794	646
15°	6596	6593	6720	6853	6932	1862
25°	6147	6194	6427	6481	6521	2832
35°	5394	5436	5546	5501	5480	3361
45°	4167	4192	4124	4059	4040	3211
55°	2780	2710	2677	2486	2443	2495
65°	1601	1454	1356	1393	1410	1602
75°	821	771	701	799	832	879
85°	215	210	189	196	196	248
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6774.4	6774.4	6774.4	6774.4	6774.4
2.5°	6811.1	6772.7	6765.6	6750.0	6784.9
5°	6788.4	6756.9	6760.4	6755.2	6793.7
7.5°	6762.2	6739.5	6753.4	6751.7	6802.4
10°	6716.8	6704.5	6739.5	6777.9	6860.0
12.5°	6666.1	6653.9	6730.7	6828.5	6917.7
15°	6596.2	6592.6	6720.2	6853.0	6931.7
17.5°	6508.8	6514.1	6708.0	6821.6	6891.5
20°	6412.7	6421.4	6657.3	6750.0	6812.9
22.5°	6288.7	6318.4	6559.5	6636.3	6685.3
25°	6147.1	6194.3	6426.7	6480.9	6521.0
27.5°	5995.1	6042.3	6262.4	6290.4	6313.1
30°	5806.4	5872.8	6059.7	6063.3	6078.9
32.5°	5614.2	5673.6	5816.9	5801.1	5804.6
35°	5394.0	5435.9	5546.0	5500.6	5479.6
37.5°	5140.7	5163.4	5233.2	5165.1	5161.6
40°	4845.3	4875.1	4875.1	4780.7	4798.2
42.5°	4530.9	4541.3	4497.7	4408.5	4422.5
45°	4167.4	4191.8	4123.7	4059.1	4039.8
47.5°	3807.4	3831.9	3760.2	3685.1	3651.9
50°	3468.5	3456.2	3412.6	3285.0	3237.8
52.5°	3117.2	3078.8	3061.4	2874.4	2820.2
55°	2780.0	2710.1	2676.9	2486.4	2442.7
57.5°	2467.2	2341.5	2278.5	2130.0	2112.5
60°	2149.3	2007.7	1930.8	1834.7	1838.2
62.5°	1860.9	1712.3	1619.8	1591.9	1604.0
65°	1600.6	1453.8	1356.0	1392.6	1410.1
67.5°	1364.7	1244.1	1134.0	1219.6	1237.1
70°	1158.5	1062.4	952.3	1078.1	1086.9
72.5°	987.2	908.6	816.0	934.8	954.0
75°	821.2	770.6	700.7	798.6	831.7
77.5°	676.2	636.1	595.8	655.3	691.9
80°	536.4	496.3	475.3	506.7	531.2
82.5°	379.2	353.0	332.0	354.7	367.0
85°	214.9	209.7	188.7	195.7	195.7
87.5°	48.9	55.9	62.9	57.7	48.9
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)