

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: P730622

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730622
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-L735
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: 17181.0 lumens
Efficiency: N/A
Efficacy: 149.7 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

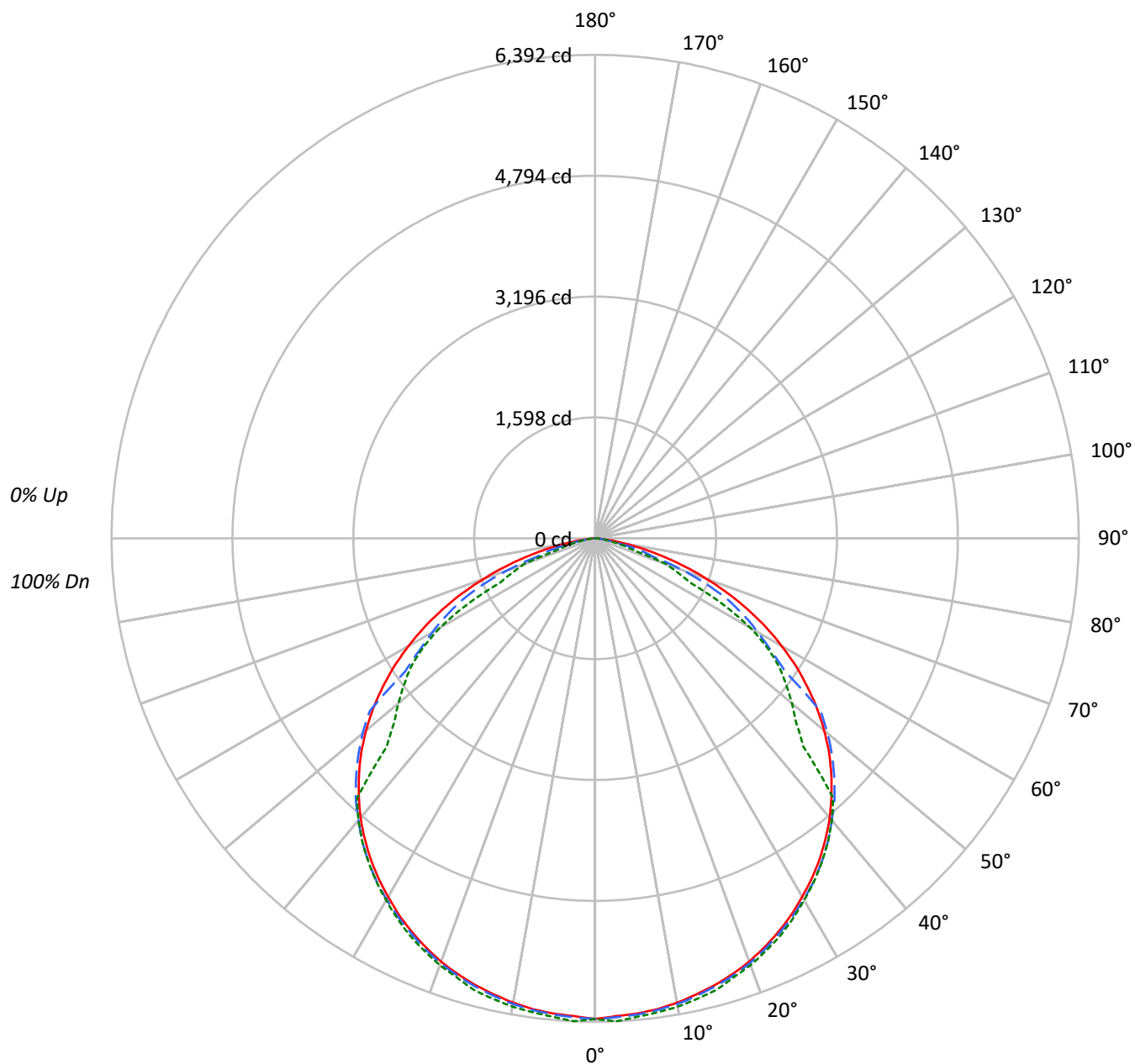
Input Watts (W): 114.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	10261	10261	10261
5°	10224	10246	10296
10°	10223	10252	10311
15°	10222	10253	10336
20°	10235	10273	10321
25°	10223	10262	10324
30°	10204	10279	10302
35°	10199	10292	10300
40°	10167	10257	10257
45°	10080	10202	8889
50°	9924	10074	8529
55°	9643	8623	8377
60°	9190	8016	7653
65°	8499	7441	5300
70°	7401	5790	4723
75°	5846	3886	2539
80°	3763	1856	1583
85°	1549	1134	1247



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	602.8	3.5
10°-20°	1737.6	10.1
20°-30°	2664.0	15.5
30°-40°	3265.2	19.0
40°-50°	3356.8	19.5
50°-60°	2864.9	16.7
60°-70°	1894.0	11.0
70°-80°	701.7	4.1
80°-90°	93.8	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°	5004.5	29.1
0°-40°	8269.6	48.1
0°-60°	14491.4	84.3
0°-90°	17181.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17181.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6355	6355	6355	6355	6355	
5°	6308	6352	6322	6347	6353	600
15°	6115	6152	6134	6180	6183	1727
25°	5738	5769	5760	5812	5795	2646
35°	5174	5210	5222	5254	5226	3237
45°	4414	4459	4468	4461	3893	3402
55°	3426	3488	3063	2974	2976	3057
65°	2225	2243	1948	1602	1387	2194
75°	937	821	623	419	407	1005
85°	84	60	61	66	67	138
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6355.2	6355.2	6355.2	6355.2	6355.2
2.5°	6324.2	6363.7	6340.4	6369.9	6392.3
5°	6308.0	6352.1	6321.9	6346.6	6352.9
7.5°	6280.1	6321.1	6293.3	6325.8	6321.1
10°	6235.3	6272.4	6253.0	6287.1	6289.4
12.5°	6178.0	6215.1	6197.3	6239.1	6238.3
15°	6115.3	6152.5	6133.8	6180.3	6183.4
17.5°	6041.8	6075.9	6061.9	6104.5	6087.4
20°	5956.6	5986.1	5979.1	6019.4	6006.9
22.5°	5852.2	5882.4	5875.5	5921.9	5903.3
25°	5738.5	5768.7	5760.1	5812.0	5795.0
27.5°	5615.5	5644.0	5643.3	5692.1	5665.8
30°	5473.0	5511.0	5513.3	5556.6	5525.7
32.5°	5332.3	5367.8	5377.9	5409.6	5383.3
35°	5174.4	5209.9	5221.6	5254.1	5225.5
37.5°	5004.1	5034.3	5055.2	5079.2	5056.7
40°	4823.8	4850.9	4866.4	4895.8	4866.4
42.5°	4622.7	4661.4	4683.0	4703.9	4655.9
45°	4414.5	4458.6	4467.9	4460.9	3892.9
47.5°	4194.0	4242.0	4247.4	3704.2	3599.7
50°	3951.0	4011.4	4010.6	3423.2	3395.4
52.5°	3698.0	3756.0	3753.7	3203.5	3185.0
55°	3425.6	3488.3	3063.4	2974.5	2976.0
57.5°	3147.8	3192.6	2748.6	2752.4	2701.3
60°	2846.0	2888.6	2482.3	2458.4	2370.1
62.5°	2543.5	2561.3	2224.7	2107.8	1939.9
65°	2224.7	2243.2	1947.7	1601.8	1387.4
67.5°	1897.4	1915.9	1616.4	1191.7	1175.4
70°	1567.7	1416.0	1226.5	992.8	1000.5
72.5°	1242.7	1088.0	801.7	769.1	555.5
75°	937.1	821.0	622.9	418.6	407.0
77.5°	652.3	565.6	333.5	285.5	267.0
80°	404.7	284.0	199.6	177.2	170.2
82.5°	205.1	163.3	108.3	108.3	108.3
85°	83.6	59.6	61.2	66.5	67.3
87.5°	17.8	24.0	29.4	30.2	29.4
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)