

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: P730837

Luminaire Tested: **HBLED-LD5-30HE-W-AI-UNV-L850**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730837
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23765)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30HE-W-AI-UNV-L850
Description: 30000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28283.0 lumens
Efficiency: N/A
Efficacy: 158.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.16 / 1.26
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

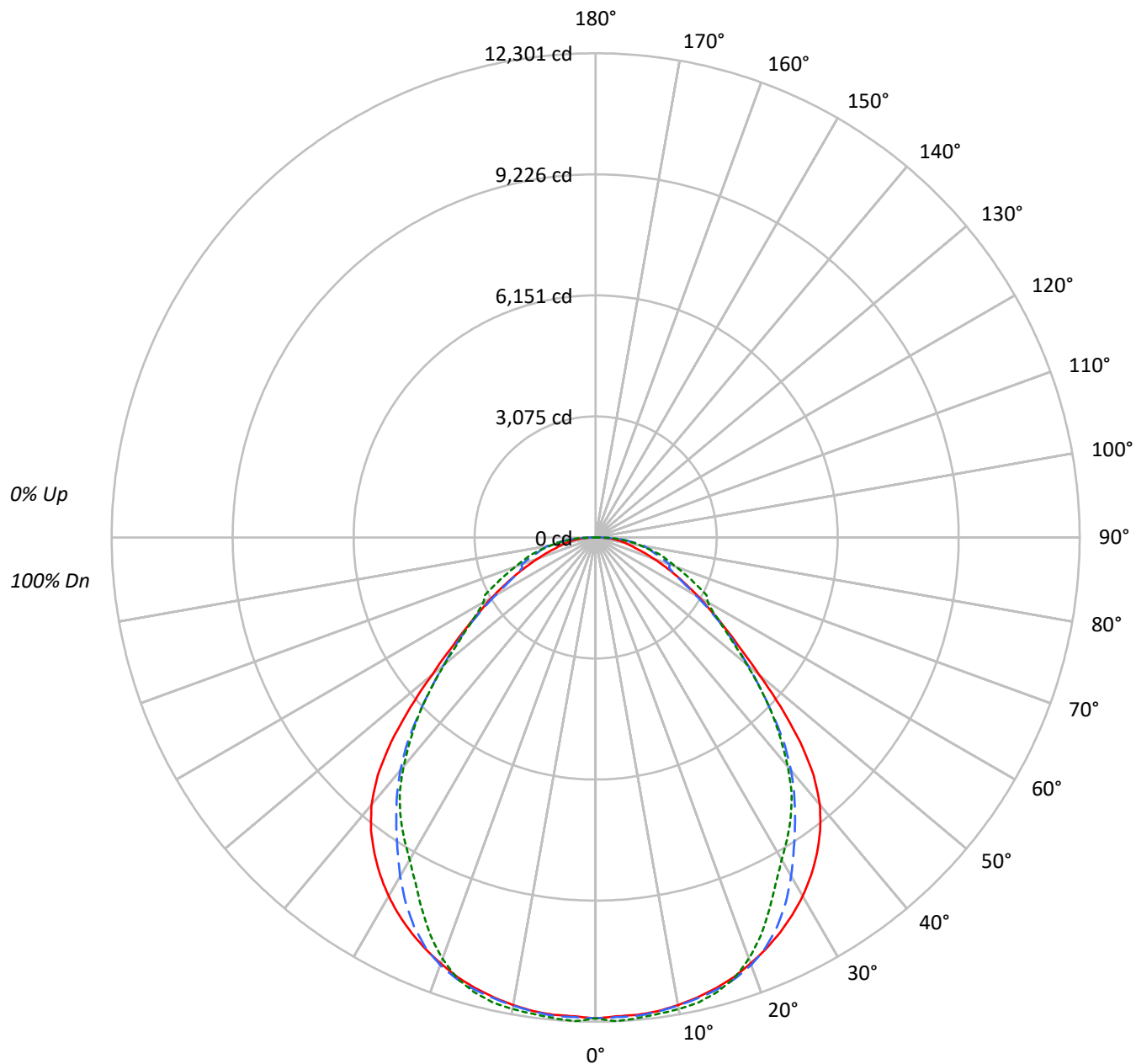
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	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	66	58	52	64	57	51	62	55	51	60	54	50	48		
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43		
7	68	55	47	41	66	54	47	41	53	46	41	52	45	40	50	44	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	36	46	41	36	34		
9	60	47	39	34	58	46	39	33	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	35	31	42	35	30	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19729	19729	19729
5°	19728	19770	19867
10°	19777	19802	19947
15°	19807	19881	19978
20°	19787	19861	19566
25°	19737	19442	18596
30°	19621	18524	17621
35°	19326	17411	17048
40°	18679	16279	16011
45°	16789	14536	14483
50°	13617	12661	12575
55°	11307	11097	11093
60°	9790	9504	10625
65°	8484	8431	10710
70°	7315	9458	10209
75°	6560	9694	10643
80°	6819	11411	10678
85°	7740	13151	12201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1163.4	4.1
10°-20°	3360.0	11.9
20°-30°	4990.4	17.6
30°-40°	5665.5	20.0
40°-50°	5064.7	17.9
50°-60°	3501.7	12.4
60°-70°	2310.7	8.2
70°-80°	1558.9	5.5
80°-90°	667.7	2.4
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°	9513.8	33.6
0°-40°	15179.3	53.7
0°-60°	23745.8	84.0
0°-90°	28283.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28283.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12219	12219	12219	12219	12219	
5°	12172	12247	12198	12248	12258	###
15°	11850	11906	11894	11960	11952	3345
25°	11079	11184	10913	10588	10438	5105
35°	9805	9598	8833	8705	8649	6114
45°	7353	6730	6366	6415	6343	5592
55°	4017	3667	3942	3887	3941	3648
65°	2221	1972	2207	2580	2803	2216
75°	1052	1323	1554	1660	1706	1148
85°	418	581	710	714	659	436
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12219.2	12219.2	12219.2	12219.2	12219.2
2.5°	12177.6	12253.7	12197.0	12249.6	12300.7
5°	12172.0	12246.8	12198.3	12248.1	12257.9
7.5°	12137.5	12206.6	12149.9	12198.3	12209.4
10°	12062.7	12144.4	12077.9	12152.7	12166.6
12.5°	11965.9	12049.0	11990.8	12093.2	12098.8
15°	11849.7	11906.4	11894.0	11960.3	11952.1
17.5°	11703.0	11768.1	11758.4	11774.9	11736.2
20°	11516.2	11589.5	11559.1	11483.0	11387.5
22.5°	11315.6	11404.1	11283.8	11091.5	10957.2
25°	11078.9	11184.1	10913.0	10587.8	10438.3
27.5°	10817.4	10911.5	10460.5	10062.0	9907.1
30°	10524.2	10564.2	9936.0	9556.9	9451.7
32.5°	10185.1	10127.0	9375.6	9125.2	9064.4
35°	9804.7	9598.4	8833.3	8704.6	8649.2
37.5°	9375.6	8998.0	8297.9	8238.3	8180.1
40°	8862.4	8304.7	7723.6	7684.9	7596.3
42.5°	8199.6	7550.6	7085.7	7040.0	6961.2
45°	7352.8	6730.1	6366.2	6414.7	6342.7
47.5°	6378.6	5906.9	5675.8	5808.6	5675.8
50°	5421.1	5104.4	5040.7	5161.1	5006.1
52.5°	4636.6	4351.6	4483.1	4503.8	4411.2
55°	4016.7	3666.7	3942.1	3886.7	3940.6
57.5°	3477.2	3085.5	3424.6	3360.9	3546.3
60°	3031.6	2591.6	2943.1	2929.2	3290.3
62.5°	2594.4	2243.0	2525.2	2728.6	3172.7
65°	2220.8	1971.7	2206.9	2580.5	2803.3
67.5°	1862.4	1768.3	2018.7	2226.3	2469.9
70°	1549.6	1598.1	2003.5	1964.8	2162.6
72.5°	1286.8	1451.5	1768.3	1775.2	1915.0
75°	1051.6	1322.8	1553.9	1660.4	1706.1
77.5°	874.5	1199.6	1403.1	1440.4	1396.1
80°	733.4	1057.1	1227.3	1210.7	1148.4
82.5°	592.1	801.2	967.2	982.5	909.0
85°	417.8	581.2	709.9	714.0	658.6
87.5°	224.1	358.4	430.4	442.8	409.5
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)