

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: P730831

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730831
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23761)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30HE-W-A-UNV-L850
Description: 30000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28187.0 lumens
Efficiency: N/A
Efficacy: 157.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.2 / 1.27
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

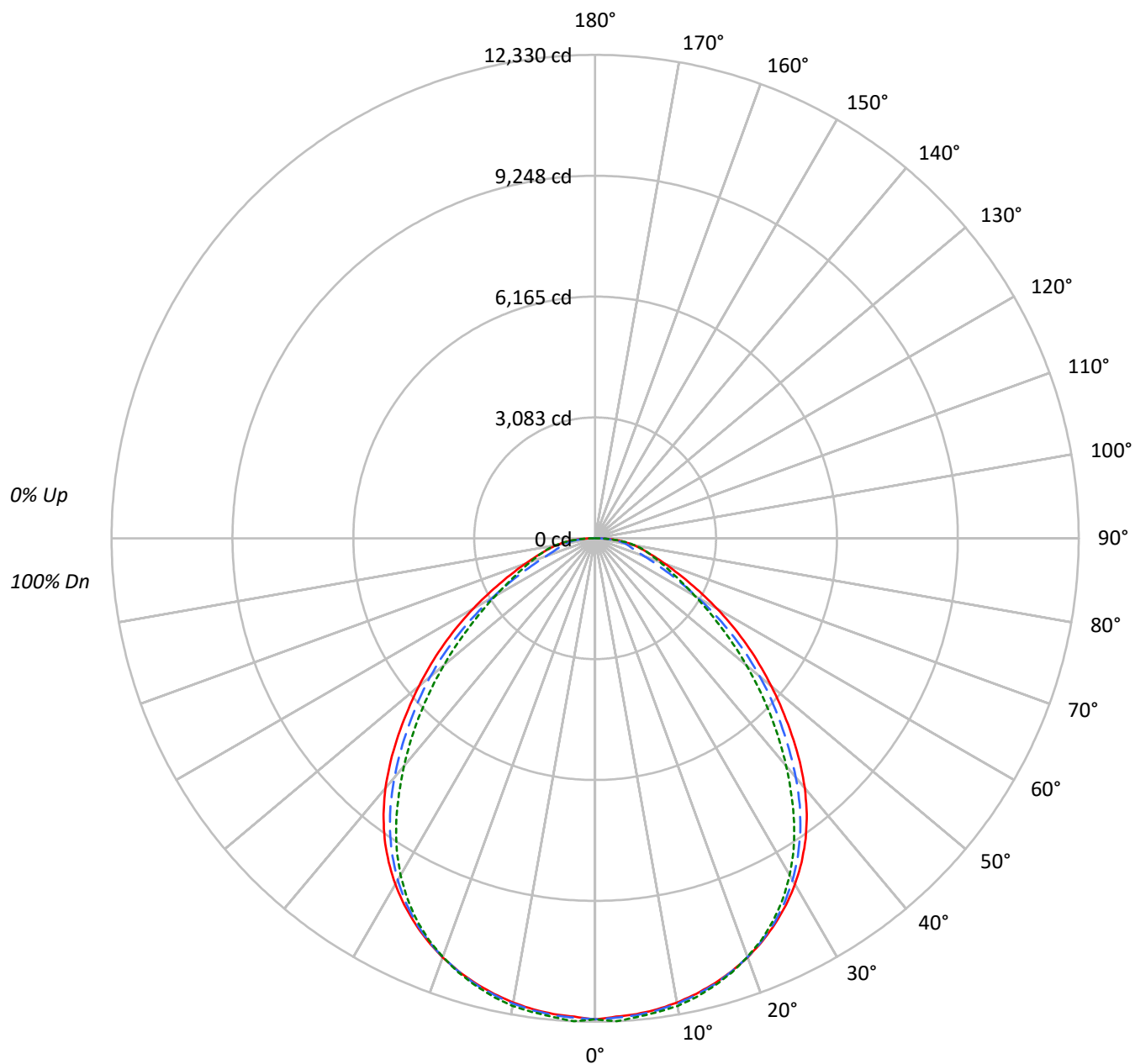
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	93	83	75	70	90	81	75	69	79	73	68	76	71	67	73	69	65	63		
4	85	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57	55		
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49		
6	73	61	52	46	72	60	52	46	58	51	46	56	50	45	55	49	45	43		
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	47	41	36	35		
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19811	19811	19811
5°	19741	19786	19867
10°	19713	19759	19858
15°	19647	19687	19733
20°	19544	19530	19516
25°	19333	19266	19158
30°	18999	18769	18495
35°	18446	17983	17429
40°	17529	16777	15972
45°	16194	15290	14364
50°	14721	13768	12635
55°	13236	11920	10923
60°	11583	9741	9478
65°	9987	7660	8554
70°	8904	6252	8244
75°	8529	6103	8615
80°	9226	7218	9598
85°	10358	8690	10459



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1162.9	4.1
10°-20°	3328.2	11.8
20°-30°	4978.6	17.7
30°-40°	5680.2	20.2
40°-50°	5170.6	18.3
50°-60°	3796.7	13.5
60°-70°	2241.8	8.0
70°-80°	1284.7	4.6
80°-90°	543.2	1.9
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°	9469.8	33.6
0°-40°	15150.0	53.7
0°-60°	24117.3	85.6
0°-90°	28187.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28187.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12270	12270	12270	12270	12270	
5°	12180	12256	12208	12256	12258	###
15°	11754	11819	11778	11819	11805	3317
25°	10852	10891	10814	10810	10754	4995
35°	9359	9313	9124	8967	8843	5831
45°	7092	7051	6696	6396	6291	5466
55°	4702	4485	4234	3927	3880	4205
65°	2614	2282	2005	2145	2239	2630
75°	1367	1172	978	1276	1381	1474
85°	559	516	469	554	565	585
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12270.2	12270.2	12270.2	12270.2	12270.2
2.5°	12213.5	12284.1	12239.8	12288.2	12329.8
5°	12180.4	12256.5	12208.0	12256.5	12257.8
7.5°	12119.5	12190.0	12143.0	12195.6	12190.0
10°	12023.9	12094.5	12051.7	12108.4	12112.5
12.5°	11902.1	11970.0	11925.8	11990.8	11979.7
15°	11754.1	11819.1	11777.6	11819.1	11805.4
17.5°	11579.7	11639.3	11585.3	11631.0	11607.5
20°	11374.9	11424.7	11366.7	11409.5	11358.4
22.5°	11130.1	11174.3	11113.4	11136.9	11084.3
25°	10851.9	10890.6	10814.5	10810.3	10753.6
27.5°	10541.9	10562.7	10465.8	10432.5	10367.5
30°	10190.5	10195.9	10067.2	10005.0	9920.5
32.5°	9796.0	9782.2	9617.5	9524.8	9420.9
35°	9358.7	9313.1	9123.5	8967.2	8842.6
37.5°	8864.8	8792.8	8565.8	8334.7	8215.7
40°	8316.7	8232.3	7959.7	7673.2	7577.8
42.5°	7720.4	7648.4	7327.3	7028.4	6934.3
45°	7092.1	7050.6	6696.2	6396.0	6290.8
47.5°	6463.8	6433.4	6087.4	5781.6	5654.2
50°	5860.5	5794.0	5481.3	5146.4	5030.2
52.5°	5275.1	5139.4	4864.1	4520.9	4435.2
55°	4702.2	4485.0	4234.5	3927.3	3880.2
57.5°	4134.8	3853.9	3610.4	3380.6	3379.3
60°	3586.9	3265.8	3016.7	2896.3	2935.1
62.5°	3073.4	2744.1	2474.3	2482.5	2553.2
65°	2614.0	2281.9	2005.1	2144.9	2239.0
67.5°	2219.7	1902.7	1621.8	1882.0	1971.9
70°	1886.2	1599.7	1324.4	1649.5	1746.4
72.5°	1605.3	1364.4	1116.8	1455.7	1554.0
75°	1367.2	1172.0	978.3	1275.9	1381.0
77.5°	1173.5	1000.5	877.4	1104.2	1213.6
80°	992.2	840.0	776.3	938.3	1032.3
82.5°	785.9	680.9	643.5	762.4	810.9
85°	559.1	516.1	469.1	553.5	564.6
87.5°	307.2	318.3	262.9	318.3	319.6
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)