

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: P730813

Luminaire Tested: **HBLED-LD5-30HE-N-CL-WG-UNV-L850**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730813
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33344)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30HE-N-CL-WG-UNV-L850
Description: 30000 LUMEN, HE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS, WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28443.0 lumens
Efficiency: N/A
Efficacy: 158.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.81 / 0.91
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

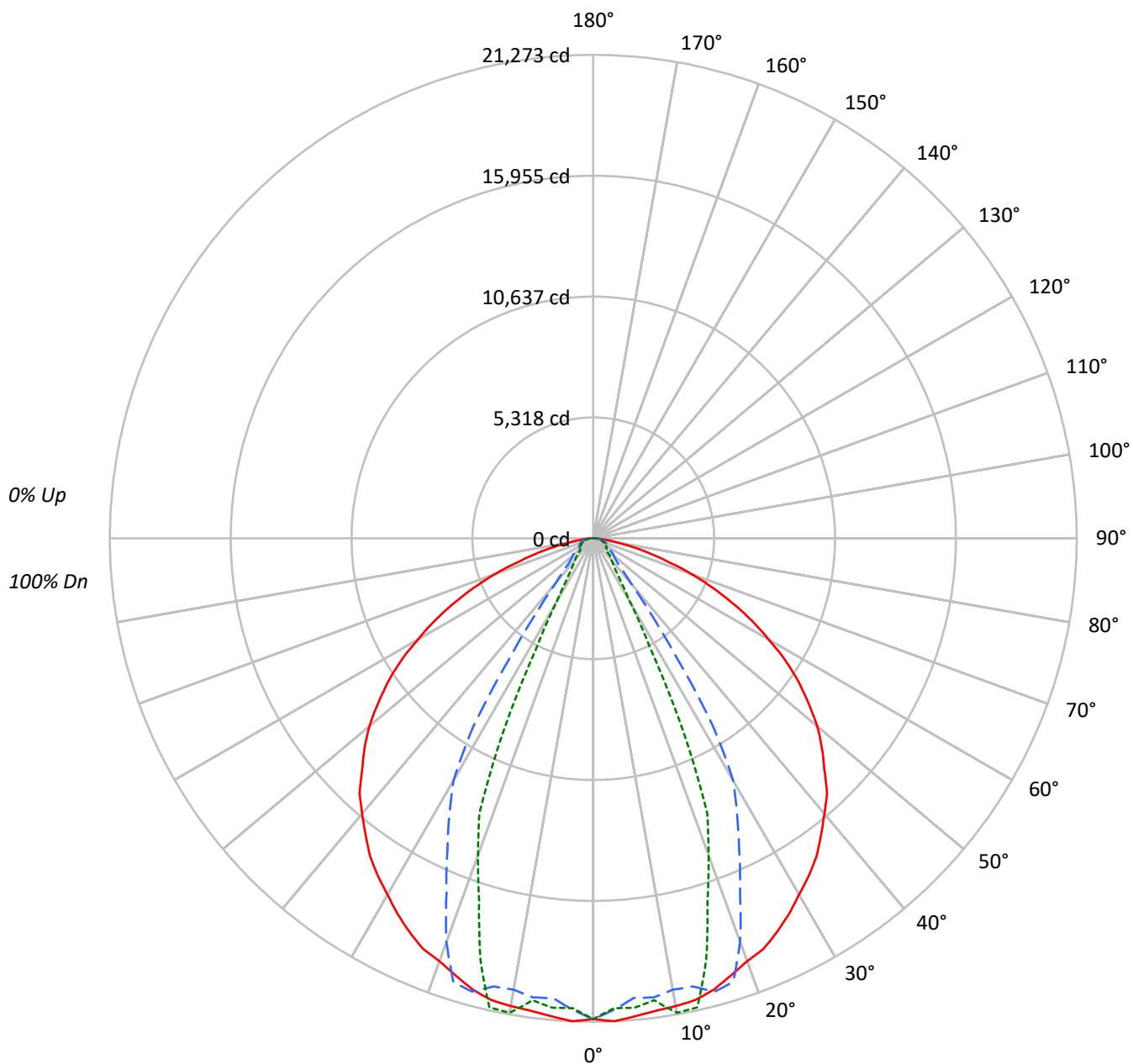
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	111	108	104	101	109	105	103	100		101	99	97			98	96	94			94
2	104	97	92	88	101	96	91	87		92	88	85			89	86	83			86
3	97	89	82	77	95	87	81	76		84	79	75			82	77	74			79
4	90	81	74	68	88	80	73	68		77	72	67			75	70	66			73
5	85	74	67	62	83	73	66	61		71	65	61			69	64	60			68
6	79	68	61	56	78	68	61	56		66	60	55			64	59	55			63
7	75	63	56	51	73	63	56	51		61	55	50			60	54	50			59
8	70	59	52	47	69	58	51	47		57	51	46			56	50	46			55
9	66	55	48	43	65	54	48	43		53	47	43			52	47	43			52
10	63	52	45	40	62	51	45	40		50	44	40			49	44	40			48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	34160	34160	34160
5°	34217	32913	33607
10°	34267	33072	34769
15°	34343	34522	32086
20°	34018	32469	25467
25°	34067	27069	16636
30°	33761	22931	5976
35°	33726	12422	3361
40°	33344	5416	2633
45°	32829	3347	2064
50°	32317	2916	1948
55°	31047	2529	1907
60°	28806	2266	2049
65°	25892	2560	2239
70°	21715	2753	2308
75°	16233	3140	2500
80°	10195	3646	2850
85°	6790	4568	4174



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1961.0	6.9
10°-20°	5537.4	19.5
20°-30°	6780.7	23.8
30°-40°	5324.9	18.7
40°-50°	3948.8	13.9
50°-60°	2403.9	8.5
60°-70°	1440.0	5.1
70°-80°	790.0	2.8
80°-90°	256.2	0.9
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°	14279.1	50.2
0°-40°	19604.0	68.9
0°-60°	25956.7	91.3
0°-90°	28443.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28443.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21157	21157	21157	21157	21157	
5°	21112	20537	20308	20531	20735	###
15°	20546	19982	20653	19818	19195	5785
25°	19123	19182	15194	11918	9338	8803
35°	17111	15565	6302	2109	1705	10677
45°	14377	10323	1466	1111	904	11118
55°	11029	2845	898	760	677	9815
65°	6777	838	670	630	586	6696
75°	2602	529	503	438	401	2818
85°	366	288	247	227	225	447
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	21157.3	21157.3	21157.3	21157.3	21157.3
2.5°	21272.8	20986.2	20766.7	20644.0	20693.9
5°	21111.7	20537.0	20307.5	20531.4	20735.3
7.5°	20971.9	20117.9	20377.3	20397.4	20504.3
10°	20900.7	20077.9	20172.0	20615.4	21207.2
12.5°	20806.6	20170.6	20203.4	20808.0	21141.6
15°	20545.7	19982.4	20652.6	19818.4	19195.3
17.5°	20164.9	19543.2	20464.3	17556.9	16710.0
20°	19798.4	19065.5	18897.3	15639.1	14822.1
22.5°	19561.8	18992.9	16881.1	13935.2	13091.0
25°	19122.6	19182.5	15194.3	11917.5	9338.2
27.5°	18639.2	18736.2	13702.8	7948.0	5349.9
30°	18108.8	18220.1	12299.6	4696.8	3205.4
32.5°	17628.3	17000.9	9822.9	2930.2	2228.6
35°	17110.7	15564.9	6302.4	2108.9	1705.4
37.5°	16459.1	14056.4	3989.6	1668.3	1431.6
40°	15820.3	12701.8	2569.5	1424.4	1249.1
42.5°	15222.8	11585.4	1869.3	1244.8	1127.9
45°	14377.3	10323.4	1465.8	1110.7	904.0
47.5°	13645.8	8843.4	1281.9	939.7	780.0
50°	12865.8	6761.6	1160.7	835.6	775.7
52.5°	11940.4	4423.0	1072.2	799.9	724.3
55°	11029.3	2844.7	898.3	760.0	677.3
57.5°	10045.4	1803.7	792.8	737.1	707.2
60°	8920.4	1216.3	701.6	698.6	634.5
62.5°	7879.4	999.5	677.3	670.2	600.3
65°	6777.3	838.4	670.2	630.2	586.0
67.5°	5676.4	718.7	606.1	576.0	537.5
70°	4599.9	657.4	583.2	570.4	489.0
72.5°	3493.4	541.8	517.6	483.4	406.4
75°	2602.2	529.0	503.3	437.7	400.7
77.5°	1761.0	487.7	457.7	392.1	362.2
80°	1096.5	447.7	392.1	343.6	306.5
82.5°	651.6	373.6	322.3	283.8	259.5
85°	366.5	288.1	246.6	226.7	225.3
87.5°	78.4	104.1	82.7	78.4	55.6
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)