

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: P730809

Luminaire Tested: **HBLED-LD5-30HE-N-CL-WG-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730809
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-L740
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: 29225.0 lumens
Efficiency: N/A
Efficacy: 163.3 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

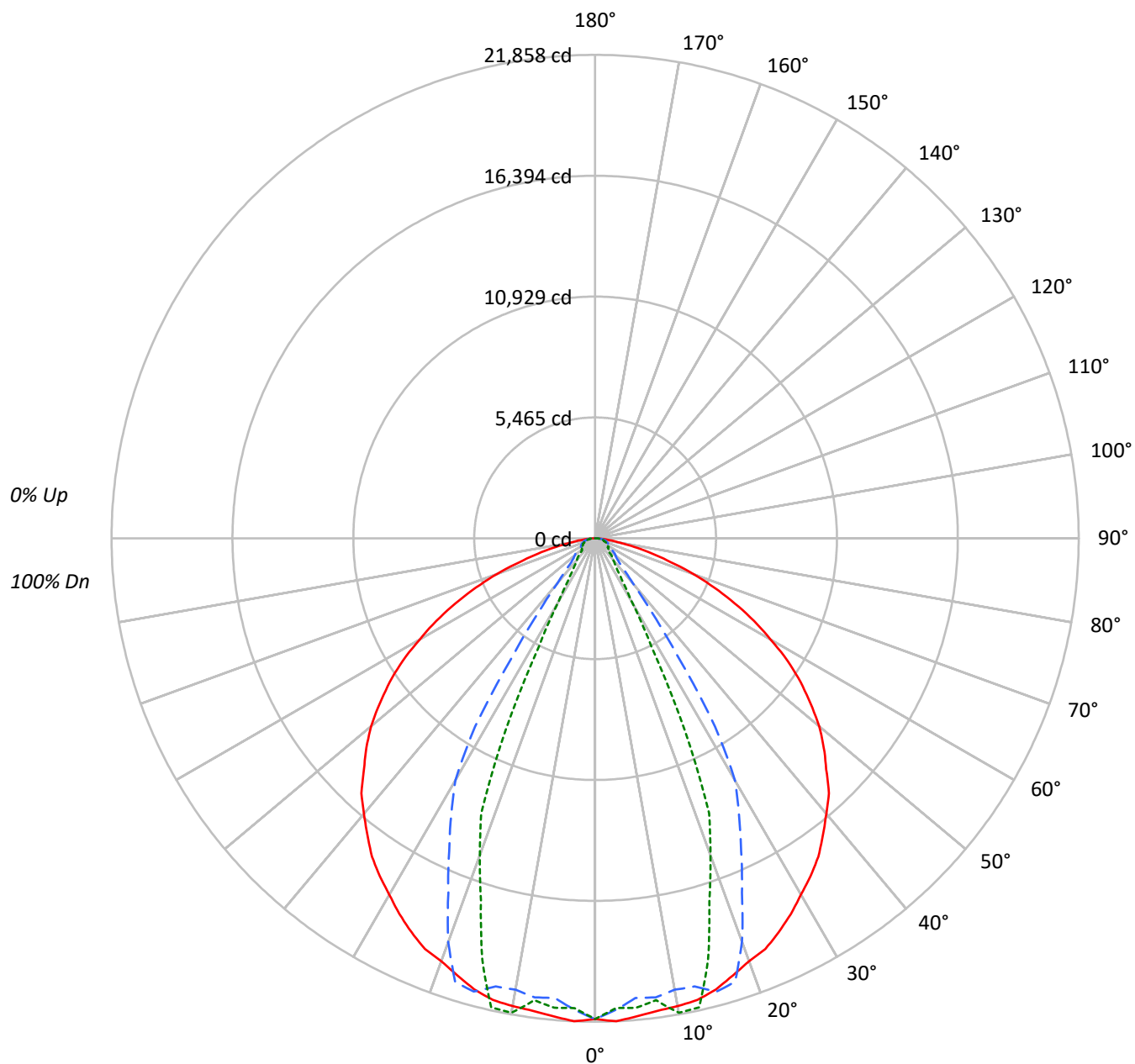
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	35100	35100	35100
5°	35158	33818	34531
10°	35209	33981	35725
15°	35287	35471	32968
20°	34953	33362	26168
25°	35003	27813	17093
30°	34689	23561	6140
35°	34653	12764	3454
40°	34261	5565	2705
45°	33731	3439	2121
50°	33205	2996	2002
55°	31900	2598	1959
60°	29597	2328	2105
65°	26604	2631	2300
70°	22312	2829	2372
75°	16679	3226	2568
80°	10476	3746	2928
85°	6977	4694	4289



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2014.9	6.9
10°-20°	5689.7	19.5
20°-30°	6967.1	23.8
30°-40°	5471.3	18.7
40°-50°	4057.3	13.9
50°-60°	2470.0	8.5
60°-70°	1479.6	5.1
70°-80°	811.8	2.8
80°-90°	263.3	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°	14671.7	50.2
0°-40°	20143.0	68.9
0°-60°	26670.3	91.3
0°-90°	29225.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29225.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21739	21739	21739	21739	21739	
5°	21692	21102	20866	21096	21305	###
15°	21111	20532	21220	20363	19723	5944
25°	19648	19710	15612	12245	9595	9045
35°	17581	15993	6476	2167	1752	10970
45°	14773	10607	1506	1141	929	11423
55°	11332	2923	923	781	696	10085
65°	6964	862	689	648	602	6880
75°	2674	544	517	450	412	2895
85°	377	296	253	233	232	459
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	21739.0	21739.0	21739.0	21739.0	21739.0
2.5°	21857.7	21563.2	21337.6	21211.6	21262.8
5°	21692.1	21101.6	20865.8	21095.9	21305.4
7.5°	21548.5	20671.0	20937.6	20958.2	21068.0
10°	21475.3	20629.9	20726.6	21182.2	21790.2
12.5°	21378.7	20725.2	20758.8	21380.0	21722.8
15°	21110.6	20531.8	21220.4	20363.3	19723.0
17.5°	20719.3	20080.5	21026.9	18039.7	17169.4
20°	20342.7	19589.7	19416.9	16069.1	15229.6
22.5°	20099.6	19515.0	17345.3	14318.3	13450.9
25°	19648.3	19709.8	15612.1	12245.2	9594.9
27.5°	19151.7	19251.3	14079.6	8166.5	5497.0
30°	18606.6	18721.0	12637.8	4825.9	3293.6
32.5°	18113.0	17468.3	10093.0	3010.8	2289.9
35°	17581.1	15992.9	6475.7	2166.9	1752.3
37.5°	16911.6	14442.8	4099.3	1714.1	1471.0
40°	16255.2	13051.0	2640.1	1463.6	1283.5
42.5°	15641.3	11903.9	1920.7	1279.1	1159.0
45°	14772.6	10607.2	1506.1	1141.2	928.9
47.5°	14020.9	9086.5	1317.1	965.5	801.5
50°	13219.5	6947.5	1192.6	858.6	797.1
52.5°	12268.6	4544.6	1101.7	821.9	744.2
55°	11332.5	2922.9	923.0	780.9	695.9
57.5°	10321.6	1853.3	814.6	757.4	726.6
60°	9165.6	1249.7	720.9	717.9	652.0
62.5°	8096.0	1027.0	695.9	688.6	616.8
65°	6963.6	861.5	688.6	647.6	602.1
67.5°	5832.5	738.5	622.7	591.8	552.3
70°	4726.4	675.4	599.2	586.1	502.5
72.5°	3589.4	556.7	531.8	496.7	417.6
75°	2673.7	543.5	517.1	449.7	411.7
77.5°	1809.4	501.1	470.3	402.9	372.2
80°	1126.7	460.0	402.9	353.1	314.9
82.5°	669.5	383.8	331.1	291.6	266.6
85°	376.6	296.0	253.4	233.0	231.5
87.5°	80.6	106.9	85.0	80.6	57.1
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)