

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: P730233

Luminaire Tested: **HBLED-LD5-12HE-N-CL-WG-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730233
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-LD5-12HE-N-CL-WG-UNV-L740
Description: 12000 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: 11589.0 lumens
Efficiency: N/A
Efficacy: 159.4 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

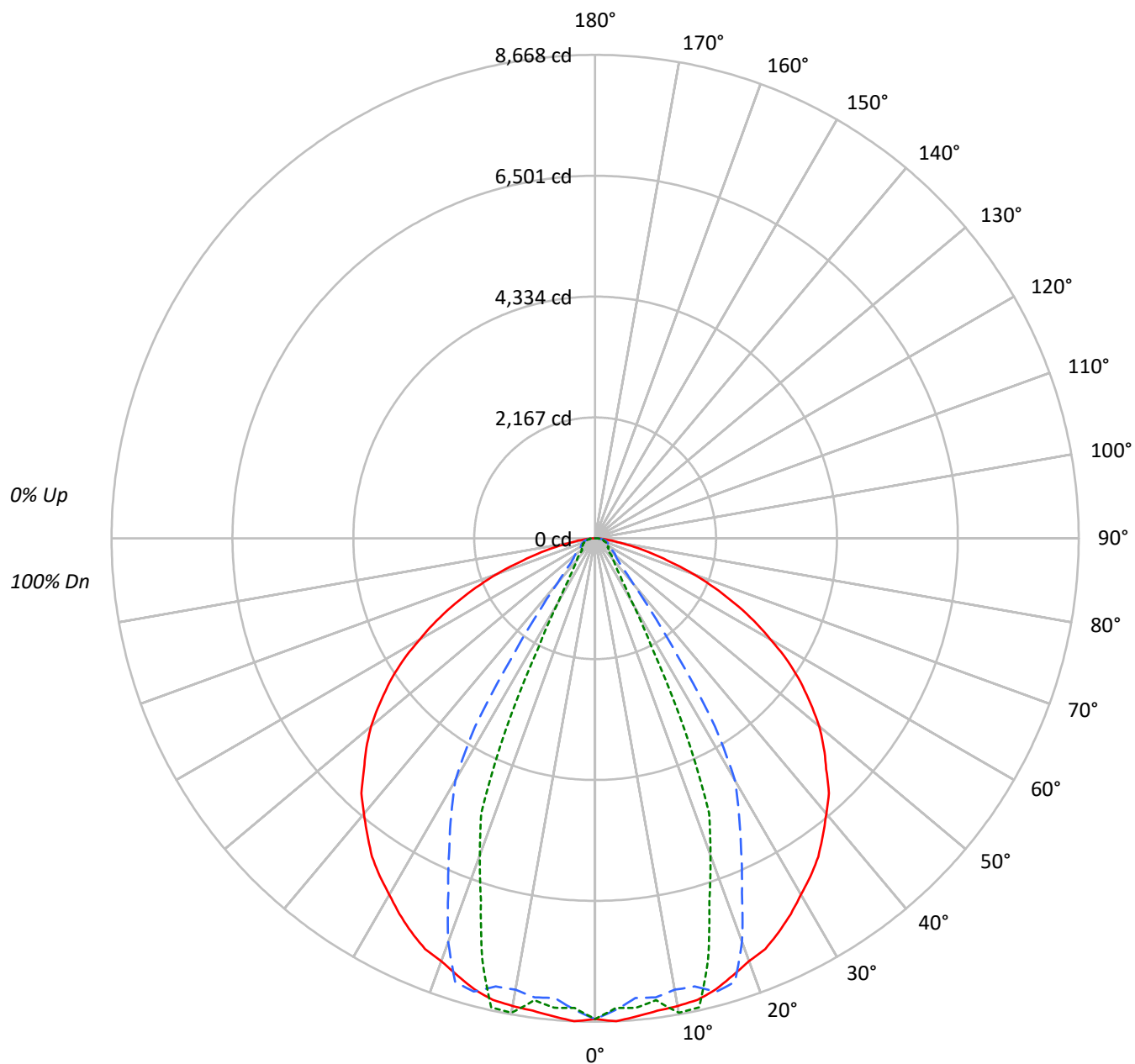
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13919	13919	13919
5°	13942	13410	13693
10°	13962	13475	14167
15°	13993	14066	13073
20°	13860	13230	10377
25°	13880	11029	6778
30°	13756	9343	2435
35°	13742	5061	1370
40°	13586	2207	1073
45°	13376	1364	841
50°	13167	1188	794
55°	12650	1030	777
60°	11737	923	835
65°	10550	1043	912
70°	8848	1122	940
75°	6614	1279	1019
80°	4154	1486	1161
85°	2766	1862	1701



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	799.0	6.9
10°-20°	2256.2	19.5
20°-30°	2762.8	23.8
30°-40°	2169.6	18.7
40°-50°	1608.9	13.9
50°-60°	979.5	8.5
60°-70°	586.7	5.1
70°-80°	321.9	2.8
80°-90°	104.4	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°	5818.0	50.2
0°-40°	7987.6	68.9
0°-60°	10576.0	91.3
0°-90°	11589.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11589.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8620	8620	8620	8620	8620	
5°	8602	8368	8274	8365	8448	818
15°	8371	8142	8415	8075	7821	2357
25°	7791	7816	6191	4856	3805	3587
35°	6972	6342	2568	859	695	4350
45°	5858	4206	597	453	368	4530
55°	4494	1159	366	310	276	3999
65°	2761	342	273	257	239	2728
75°	1060	216	205	178	163	1148
85°	149	117	100	92	92	182
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8620.5	8620.5	8620.5	8620.5	8620.5
2.5°	8667.5	8550.8	8461.3	8411.3	8431.6
5°	8601.9	8367.7	8274.2	8365.4	8448.5
7.5°	8544.9	8197.0	8302.7	8310.8	8354.4
10°	8515.9	8180.7	8219.0	8399.7	8640.8
12.5°	8477.6	8218.5	8231.8	8478.1	8614.1
15°	8371.3	8141.7	8414.8	8075.0	7821.0
17.5°	8216.1	7962.8	8338.1	7153.5	6808.4
20°	8066.8	7768.2	7699.6	6372.1	6039.2
22.5°	7970.4	7738.6	6878.2	5677.8	5333.9
25°	7791.4	7815.8	6190.9	4855.8	3804.8
27.5°	7594.5	7634.0	5583.2	3238.4	2179.8
30°	7378.4	7423.7	5011.4	1913.7	1306.0
32.5°	7182.6	6926.9	4002.3	1193.9	908.0
35°	6971.7	6341.9	2567.9	859.3	694.9
37.5°	6706.2	5727.2	1625.6	679.7	583.3
40°	6445.9	5175.3	1046.9	580.4	509.0
42.5°	6202.5	4720.4	761.7	507.2	459.6
45°	5858.0	4206.2	597.3	452.6	368.3
47.5°	5559.9	3603.2	522.3	382.9	317.8
50°	5242.1	2755.0	472.9	340.5	316.1
52.5°	4865.1	1802.2	436.9	325.9	295.1
55°	4493.8	1159.1	366.0	309.6	276.0
57.5°	4092.9	734.9	323.0	300.3	288.1
60°	3634.6	495.6	285.9	284.7	258.5
62.5°	3210.4	407.3	276.0	273.1	244.6
65°	2761.4	341.6	273.1	256.8	238.8
67.5°	2312.8	292.8	246.9	234.7	219.0
70°	1874.2	267.8	237.6	232.4	199.2
72.5°	1423.4	220.8	210.9	197.0	165.6
75°	1060.3	215.5	205.1	178.3	163.3
77.5°	717.5	198.7	186.5	159.8	147.6
80°	446.8	182.4	159.8	140.0	124.9
82.5°	265.5	152.2	131.3	115.6	105.7
85°	149.3	117.4	100.5	92.4	91.8
87.5°	32.0	42.4	33.7	32.0	22.6
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)