

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: P730232

Luminaire Tested: **HBLED-LD5-12HE-N-CL-WG-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730232
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-L735
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: 11249.0 lumens
Efficiency: N/A
Efficacy: 154.7 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

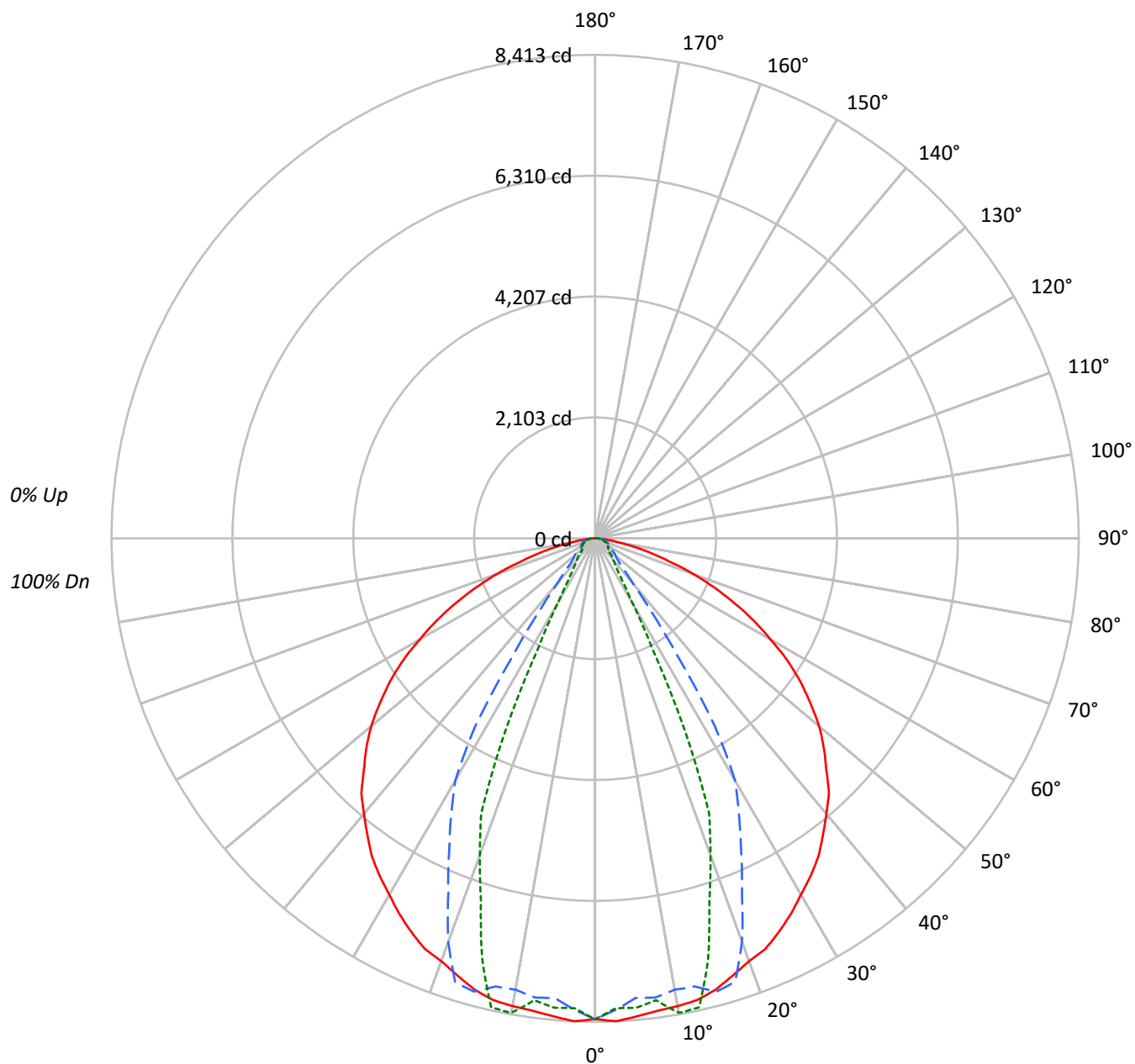
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	13510	13510	13510
5°	13532	13017	13291
10°	13552	13080	13751
15°	13582	13653	12690
20°	13454	12842	10072
25°	13473	10705	6579
30°	13352	9069	2363
35°	13338	4913	1329
40°	13187	2142	1041
45°	12983	1324	816
50°	12781	1153	771
55°	12279	1000	754
60°	11392	896	810
65°	10240	1013	886
70°	8588	1089	913
75°	6420	1242	989
80°	4033	1442	1127
85°	2684	1806	1651



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	775.6	6.9
10°-20°	2190.0	19.5
20°-30°	2681.7	23.8
30°-40°	2106.0	18.7
40°-50°	1561.7	13.9
50°-60°	950.7	8.5
60°-70°	569.5	5.1
70°-80°	312.5	2.8
80°-90°	101.3	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°	5647.3	50.2
0°-40°	7753.3	68.9
0°-60°	10265.7	91.3
0°-90°	11249.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11249.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8368	8368	8368	8368	8368	
5°	8350	8122	8032	8120	8201	794
15°	8126	7903	8168	7838	7592	2288
25°	7563	7586	6009	4713	3693	3481
35°	6767	6156	2493	834	674	4223
45°	5686	4083	580	439	358	4397
55°	4362	1125	355	301	268	3882
65°	2680	332	265	249	232	2648
75°	1029	209	199	173	158	1114
85°	145	114	98	90	89	177
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8367.6	8367.6	8367.6	8367.6	8367.6
2.5°	8413.2	8299.9	8213.1	8164.6	8184.3
5°	8349.5	8122.2	8031.5	8120.0	8200.7
7.5°	8294.2	7956.5	8059.1	8067.0	8109.3
10°	8266.1	7940.7	7977.9	8153.3	8387.3
12.5°	8228.9	7977.3	7990.3	8229.4	8361.3
15°	8125.7	7902.9	8167.9	7838.0	7591.6
17.5°	7975.1	7729.2	8093.5	6943.6	6608.7
20°	7830.1	7540.3	7473.8	6185.2	5862.0
22.5°	7736.5	7511.5	6676.4	5511.3	5177.4
25°	7562.8	7586.5	6009.2	4713.3	3693.2
27.5°	7371.7	7410.0	5419.4	3143.4	2115.8
30°	7161.9	7205.9	4864.4	1857.6	1267.7
32.5°	6971.9	6723.7	3884.9	1158.9	881.4
35°	6767.2	6155.8	2492.6	834.1	674.5
37.5°	6509.4	5559.2	1577.9	659.8	566.2
40°	6256.8	5023.5	1016.2	563.3	494.0
42.5°	6020.5	4581.9	739.3	492.3	446.1
45°	5686.1	4082.8	579.7	439.3	357.5
47.5°	5396.8	3497.5	507.0	371.6	308.5
50°	5088.3	2674.2	459.0	330.5	306.8
52.5°	4722.3	1749.3	424.1	316.4	286.5
55°	4362.0	1125.1	355.3	300.6	267.9
57.5°	3972.9	713.4	313.6	291.5	279.7
60°	3527.9	481.0	277.5	276.3	250.9
62.5°	3116.2	395.3	267.9	265.1	237.4
65°	2680.4	331.6	265.1	249.3	231.8
67.5°	2245.0	284.2	239.7	227.8	212.6
70°	1819.2	260.0	230.7	225.6	193.4
72.5°	1381.6	214.3	204.7	191.2	160.7
75°	1029.2	209.2	199.1	173.1	158.5
77.5°	696.5	192.9	181.0	155.1	143.3
80°	433.7	177.1	155.1	135.9	121.2
82.5°	257.7	147.7	127.5	112.2	102.6
85°	144.9	113.9	97.5	89.7	89.1
87.5°	31.0	41.2	32.7	31.0	22.0
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)