

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: P730234

Luminaire Tested: **HBLED-LD5-12HE-N-CL-WG-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730234
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-L750
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: 11868.0 lumens
Efficiency: N/A
Efficacy: 163.2 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

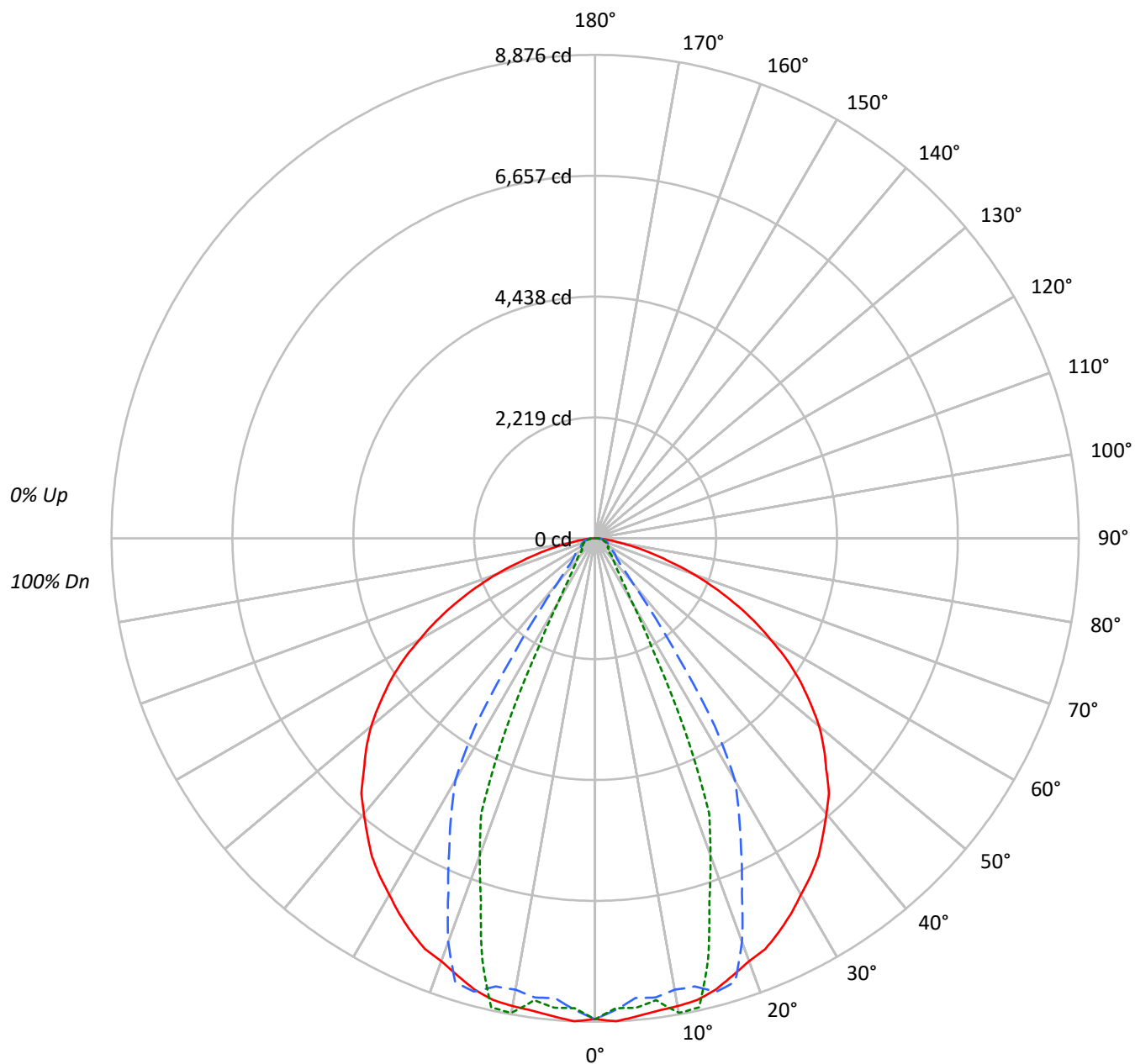
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89		
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	79		
3	97	89	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71		
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	59	58		
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	52	46	43	41		
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	48	43	40	38		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14254	14254	14254
5°	14277	13733	14023
10°	14298	13799	14508
15°	14330	14404	13388
20°	14194	13548	10626
25°	14215	11295	6941
30°	14087	9568	2494
35°	14072	5183	1403
40°	13913	2260	1099
45°	13698	1397	861
50°	13484	1216	813
55°	12954	1055	796
60°	12019	945	855
65°	10803	1068	934
70°	9061	1149	963
75°	6774	1310	1043
80°	4254	1521	1189
85°	2833	1906	1741



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	818.2	6.9
10°-20°	2310.5	19.5
20°-30°	2829.3	23.8
30°-40°	2221.9	18.7
40°-50°	1647.6	13.9
50°-60°	1003.0	8.5
60°-70°	600.8	5.1
70°-80°	329.7	2.8
80°-90°	106.9	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°	5958.0	50.2
0°-40°	8179.9	68.9
0°-60°	10830.6	91.3
0°-90°	11868.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11868.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8828	8828	8828	8828	8828	
5°	8809	8569	8473	8567	8652	838
15°	8573	8338	8617	8269	8009	2414
25°	7979	8004	6340	4973	3896	3673
35°	7140	6495	2630	880	712	4455
45°	5999	4308	612	463	377	4639
55°	4602	1187	375	317	283	4095
65°	2828	350	280	263	244	2794
75°	1086	221	210	183	167	1176
85°	153	120	103	95	94	187
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8828.0	8828.0	8828.0	8828.0	8828.0
2.5°	8876.2	8756.6	8665.0	8613.8	8634.6
5°	8809.0	8569.2	8473.4	8566.8	8651.9
7.5°	8750.6	8394.3	8502.6	8510.9	8555.5
10°	8720.9	8377.6	8416.9	8601.9	8848.8
12.5°	8681.7	8416.3	8430.0	8682.2	8821.4
15°	8572.8	8337.8	8617.4	8269.4	8009.3
17.5°	8413.9	8154.5	8538.8	7325.7	6972.3
20°	8261.0	7955.2	7885.0	6525.5	6184.6
22.5°	8162.3	7924.9	7043.8	5814.5	5462.3
25°	7979.0	8004.0	6339.9	4972.7	3896.4
27.5°	7777.3	7817.8	5717.6	3316.3	2232.3
30°	7556.0	7602.4	5132.1	1959.8	1337.5
32.5°	7355.5	7093.7	4098.7	1222.6	929.9
35°	7139.5	6494.6	2629.7	880.0	711.6
37.5°	6867.6	5865.1	1664.7	696.1	597.4
40°	6601.1	5299.9	1072.1	594.3	521.2
42.5°	6351.8	4834.1	780.0	519.4	470.6
45°	5999.0	4307.5	611.6	463.4	377.2
47.5°	5693.8	3690.0	534.9	392.1	325.5
50°	5368.3	2821.3	484.3	348.7	323.7
52.5°	4982.2	1845.5	447.4	333.8	302.2
55°	4602.0	1187.0	374.8	317.1	282.6
57.5°	4191.5	752.6	330.8	307.6	295.1
60°	3722.1	507.5	292.7	291.5	264.8
62.5°	3287.7	417.1	282.6	279.6	250.5
65°	2827.8	349.8	279.6	263.0	244.5
67.5°	2368.5	299.9	252.9	240.3	224.3
70°	1919.4	274.3	243.3	238.0	204.0
72.5°	1457.6	226.1	216.0	201.7	169.6
75°	1085.8	220.7	210.0	182.6	167.2
77.5°	734.8	203.5	191.0	163.6	151.1
80°	457.5	186.8	163.6	143.4	127.9
82.5°	271.9	155.9	134.5	118.4	108.3
85°	152.9	120.2	102.9	94.6	94.0
87.5°	32.7	43.4	34.5	32.7	23.2
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)