

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: P730268

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730268
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33385)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12HE-W-CL-WG-UNV-L735
Description: 12000 LUMEN, HE HBLED WITH WIDE 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 / 1.3 / 1.33
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

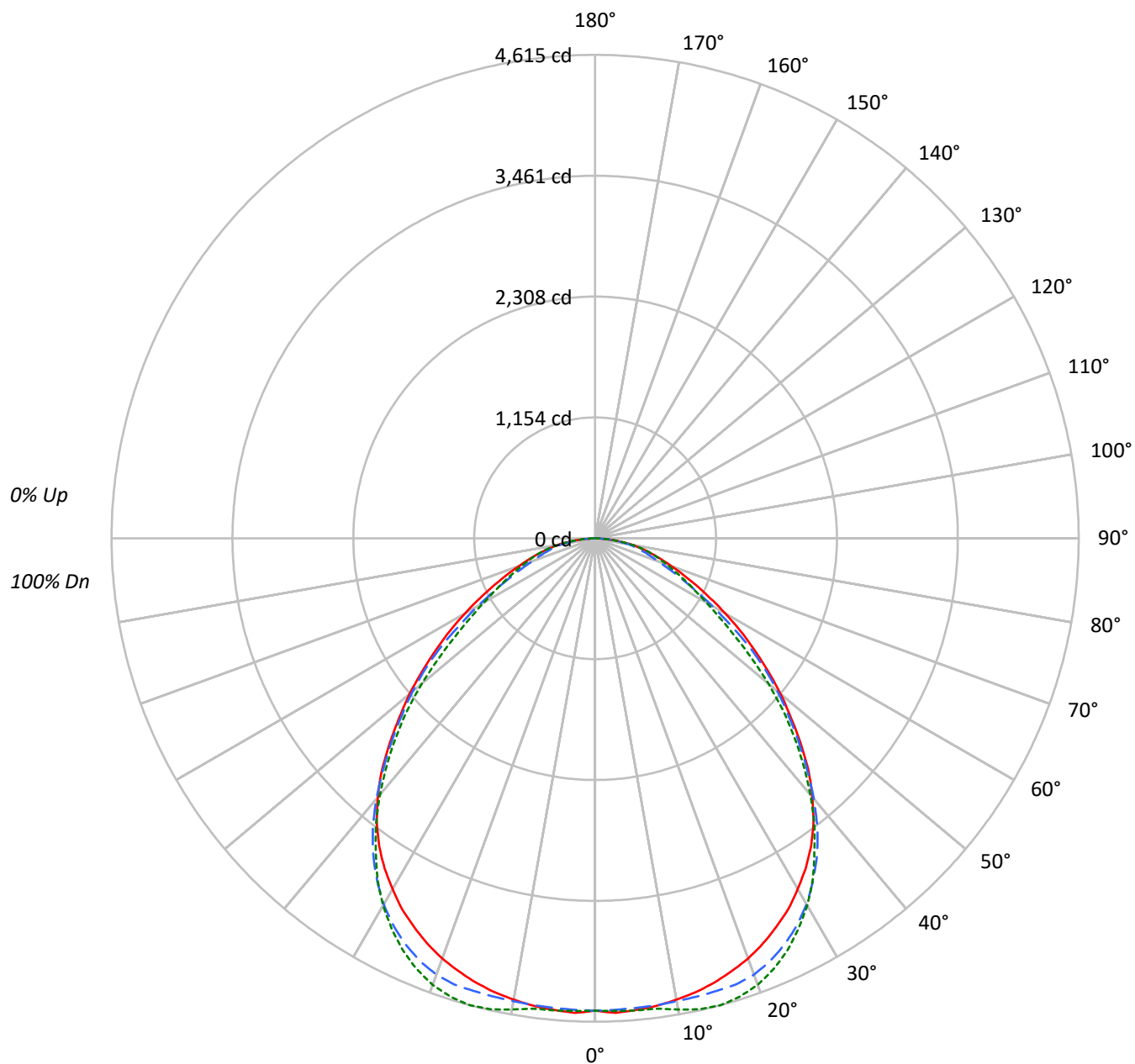
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65	63		
4	85	74	66	59	83	73	65	59	70	64	58	68	62	57	66	61	57	55		
5	79	67	58	52	77	65	57	52	63	56	51	61	55	50	60	54	50	48		
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44	42		
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	38		
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36	34		
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31		
10	56	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7283	7283	7283
5°	7325	7295	7331
10°	7332	7357	7488
15°	7341	7479	7715
20°	7336	7616	7794
25°	7292	7623	7735
30°	7208	7522	7546
35°	7079	7278	7191
40°	6800	6841	6733
45°	6336	6269	6142
50°	5801	5707	5415
55°	5210	5017	4578
60°	4621	4151	3952
65°	4071	3449	3587
70°	3641	2993	3416
75°	3411	2910	3455
80°	3320	2942	3289
85°	2651	2329	2414



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	429.7	3.8
10°-20°	1265.6	11.3
20°-30°	1947.0	17.3
30°-40°	2272.3	20.2
40°-50°	2111.5	18.8
50°-60°	1565.2	13.9
60°-70°	956.8	8.5
70°-80°	545.0	4.8
80°-90°	155.9	1.4
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°	3642.3	32.4
0°-40°	5914.6	52.6
0°-60°	9591.3	85.3
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°	4510	4510	4510	4510	4510	
5°	4520	4499	4501	4498	4523	430
15°	4392	4390	4474	4563	4615	1240
25°	4093	4124	4279	4315	4342	1885
35°	3591	3619	3693	3662	3648	2238
45°	2775	2791	2746	2703	2690	2138
55°	1851	1804	1782	1656	1626	1661
65°	1066	968	903	927	939	1066
75°	547	513	466	532	554	585
85°	143	140	126	130	130	165
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4510.5	4510.5	4510.5	4510.5	4510.5
2.5°	4535.0	4509.4	4504.7	4494.3	4517.5
5°	4519.8	4498.9	4501.2	4497.7	4523.3
7.5°	4502.4	4487.3	4496.6	4495.4	4529.1
10°	4472.2	4464.0	4487.3	4512.9	4567.5
12.5°	4438.4	4430.3	4481.5	4546.6	4605.9
15°	4391.9	4389.5	4474.5	4562.9	4615.2
17.5°	4333.7	4337.2	4466.3	4541.9	4588.5
20°	4269.7	4275.5	4432.6	4494.3	4536.1
22.5°	4187.1	4206.9	4367.4	4418.6	4451.2
25°	4092.9	4124.3	4279.0	4315.1	4341.8
27.5°	3991.7	4023.1	4169.6	4188.2	4203.4
30°	3866.0	3910.2	4034.7	4037.0	4047.5
32.5°	3738.0	3777.6	3873.0	3862.5	3864.8
35°	3591.4	3619.3	3692.6	3662.4	3648.4
37.5°	3422.8	3437.9	3484.4	3439.0	3436.7
40°	3226.1	3245.9	3245.9	3183.1	3194.7
42.5°	3016.7	3023.7	2994.6	2935.3	2944.6
45°	2774.7	2791.0	2745.6	2702.6	2689.8
47.5°	2535.0	2551.3	2503.6	2453.6	2431.5
50°	2309.4	2301.2	2272.2	2187.2	2155.8
52.5°	2075.5	2049.9	2038.3	1913.8	1877.7
55°	1851.0	1804.5	1782.4	1655.5	1626.4
57.5°	1642.7	1559.0	1517.1	1418.2	1406.5
60°	1431.0	1336.8	1285.6	1221.6	1223.9
62.5°	1239.0	1140.1	1078.5	1059.9	1068.0
65°	1065.7	967.9	902.8	927.2	938.8
67.5°	908.6	828.3	755.1	812.1	823.7
70°	771.3	707.4	634.1	717.8	723.7
72.5°	657.3	605.0	543.3	622.4	635.2
75°	546.8	513.1	466.5	531.7	553.8
77.5°	450.2	423.5	396.7	436.3	460.7
80°	357.1	330.4	316.4	337.4	353.7
82.5°	252.5	235.0	221.1	236.2	244.3
85°	143.1	139.6	125.7	130.3	130.3
87.5°	32.6	37.2	41.9	38.4	32.6
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)