

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: P730267

Luminaire Tested: **HBLED-LD5-12HE-W-CL-UNV-L850**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730267
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23762)
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-UNV-L850
Description: 12000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
& DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11470.0 lumens
Efficiency: N/A
Efficacy: 157.8 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

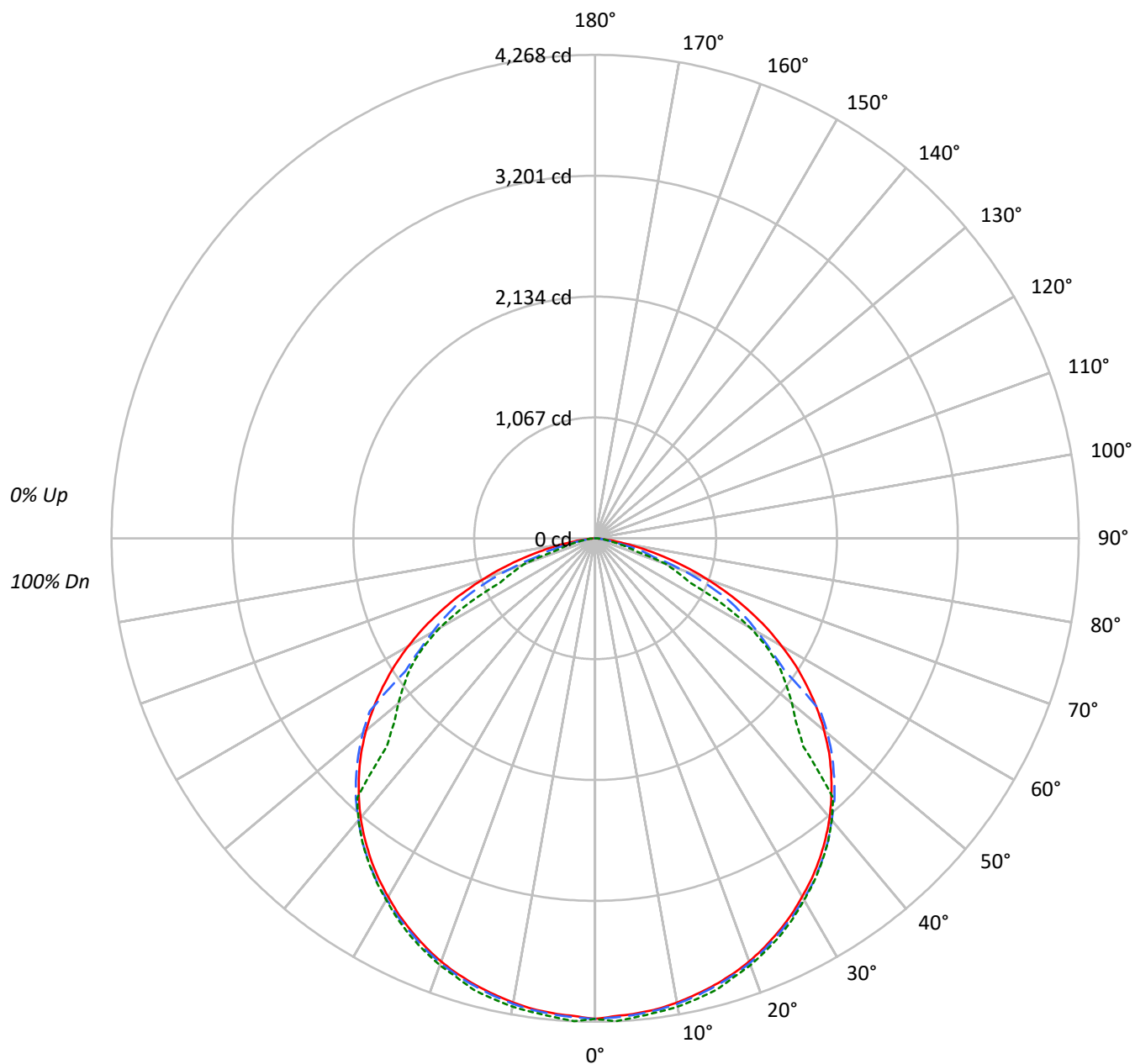
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62		
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46		
6	72	59	50	44	70	58	49	43	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29		
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6850	6850	6850
5°	6825	6840	6874
10°	6825	6844	6884
15°	6824	6845	6900
20°	6833	6858	6890
25°	6825	6851	6892
30°	6812	6862	6877
35°	6809	6871	6876
40°	6788	6847	6847
45°	6729	6811	5934
50°	6626	6725	5694
55°	6438	5757	5593
60°	6135	5351	5110
65°	5674	4968	3538
70°	4941	3865	3153
75°	3903	2595	1695
80°	2512	1239	1056
85°	1034	756	832



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.5	3.5
10°-20°	1160.0	10.1
20°-30°	1778.5	15.5
30°-40°	2179.8	19.0
40°-50°	2241.0	19.5
50°-60°	1912.6	16.7
60°-70°	1264.5	11.0
70°-80°	468.5	4.1
80°-90°	62.6	0.5
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°	3341.0	29.1
0°-40°	5520.8	48.1
0°-60°	9674.4	84.3
0°-90°	11470.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11470.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4243	4243	4243	4243	4243	
5°	4211	4241	4220	4237	4241	401
15°	4083	4107	4095	4126	4128	1153
25°	3831	3851	3846	3880	3869	1766
35°	3454	3478	3486	3508	3488	2161
45°	2947	2976	2983	2978	2599	2271
55°	2287	2329	2045	1986	1987	2041
65°	1485	1498	1300	1069	926	1464
75°	626	548	416	280	272	671
85°	56	40	41	44	45	92
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4242.7	4242.7	4242.7	4242.7	4242.7
2.5°	4222.0	4248.4	4232.9	4252.5	4267.5
5°	4211.2	4240.6	4220.5	4237.0	4241.2
7.5°	4192.6	4220.0	4201.4	4223.1	4220.0
10°	4162.7	4187.4	4174.5	4197.3	4198.8
12.5°	4124.4	4149.2	4137.3	4165.2	4164.7
15°	4082.6	4107.4	4094.9	4126.0	4128.0
17.5°	4033.5	4056.2	4046.9	4075.4	4064.0
20°	3976.6	3996.3	3991.6	4018.5	4010.2
22.5°	3906.9	3927.1	3922.4	3953.4	3941.0
25°	3831.0	3851.2	3845.5	3880.1	3868.7
27.5°	3748.9	3767.9	3767.4	3800.0	3782.4
30°	3653.8	3679.1	3680.7	3709.6	3688.9
32.5°	3559.8	3583.5	3590.3	3611.5	3593.9
35°	3454.4	3478.1	3485.9	3507.6	3488.5
37.5°	3340.7	3360.9	3374.8	3390.8	3375.9
40°	3220.4	3238.5	3248.8	3268.4	3248.8
42.5°	3086.1	3111.9	3126.4	3140.3	3108.3
45°	2947.1	2976.5	2982.8	2978.1	2598.9
47.5°	2799.9	2831.9	2835.6	2472.9	2403.2
50°	2637.7	2678.0	2677.5	2285.3	2266.8
52.5°	2468.8	2507.5	2506.0	2138.7	2126.3
55°	2286.9	2328.8	2045.1	1985.8	1986.8
57.5°	2101.5	2131.4	1834.9	1837.5	1803.4
60°	1900.0	1928.4	1657.2	1641.2	1582.3
62.5°	1698.0	1709.9	1485.2	1407.2	1295.1
65°	1485.2	1497.6	1300.3	1069.3	926.2
67.5°	1266.7	1279.1	1079.1	795.5	784.7
70°	1046.6	945.3	818.8	662.8	667.9
72.5°	829.6	726.3	535.2	513.5	370.9
75°	625.6	548.1	415.9	279.5	271.7
77.5°	435.5	377.6	222.6	190.6	178.2
80°	270.2	189.6	133.3	118.3	113.6
82.5°	136.9	109.0	72.3	72.3	72.3
85°	55.8	39.8	40.8	44.4	44.9
87.5°	11.9	16.0	19.6	20.2	19.6
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)