

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: P730266

Luminaire Tested: **HBLED-LD5-12HE-W-CL-UNV-L840**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730266
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-L840
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: 11250.0 lumens
Efficiency: N/A
Efficacy: 154.7 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

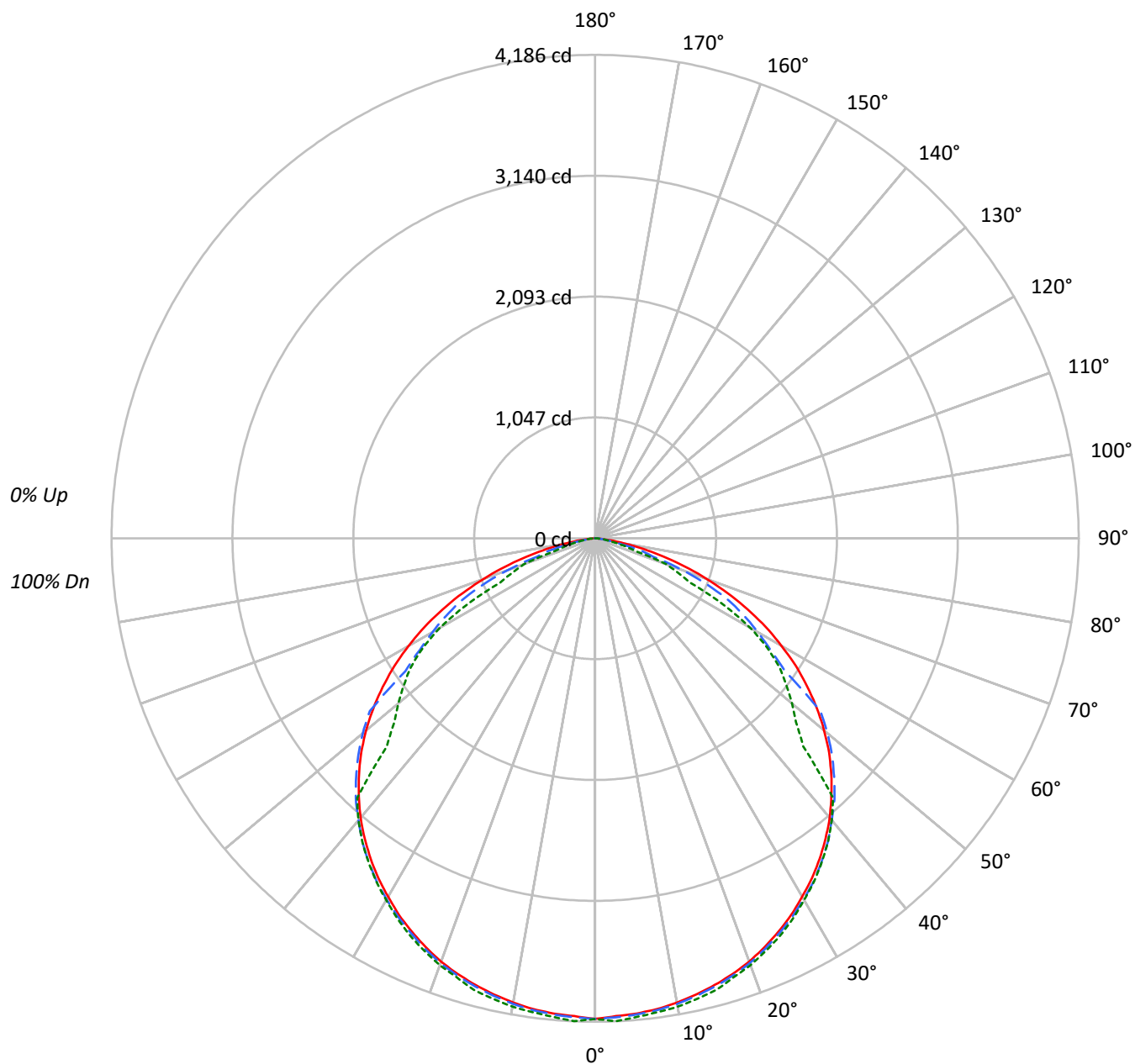
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	6719	6719	6719
5°	6694	6709	6742
10°	6694	6713	6752
15°	6693	6714	6768
20°	6702	6727	6758
25°	6694	6719	6760
30°	6681	6731	6746
35°	6678	6739	6744
40°	6657	6716	6716
45°	6600	6680	5821
50°	6498	6596	5585
55°	6314	5647	5485
60°	6018	5249	5011
65°	5565	4872	3471
70°	4846	3791	3093
75°	3828	2545	1663
80°	2464	1215	1036
85°	1013	741	817



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	394.7	3.5
10°-20°	1137.8	10.1
20°-30°	1744.4	15.5
30°-40°	2138.0	19.0
40°-50°	2198.0	19.5
50°-60°	1875.9	16.7
60°-70°	1240.2	11.0
70°-80°	459.5	4.1
80°-90°	61.4	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°	3276.9	29.1
0°-40°	5414.9	48.1
0°-60°	9488.9	84.3
0°-90°	11250.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11250.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4161	4161	4161	4161	4161	
5°	4130	4159	4140	4156	4160	393
15°	4004	4029	4016	4047	4049	1131
25°	3758	3777	3772	3806	3794	1732
35°	3388	3411	3419	3440	3422	2119
45°	2891	2919	2926	2921	2549	2228
55°	2243	2284	2006	1948	1949	2001
65°	1457	1469	1275	1049	908	1436
75°	614	538	408	274	266	658
85°	55	39	40	44	44	91
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4161.3	4161.3	4161.3	4161.3	4161.3
2.5°	4141.1	4166.9	4151.7	4170.9	4185.6
5°	4130.4	4159.3	4139.5	4155.7	4159.8
7.5°	4112.2	4139.0	4120.8	4142.1	4139.0
10°	4082.8	4107.1	4094.5	4116.8	4118.2
12.5°	4045.3	4069.6	4058.0	4085.3	4084.8
15°	4004.2	4028.6	4016.4	4046.8	4048.9
17.5°	3956.1	3978.4	3969.3	3997.2	3986.0
20°	3900.4	3919.6	3915.1	3941.4	3933.3
22.5°	3832.0	3851.7	3847.2	3877.6	3865.4
25°	3757.5	3777.3	3771.7	3805.6	3794.5
27.5°	3677.0	3695.7	3695.2	3727.1	3709.9
30°	3583.7	3608.6	3610.1	3638.4	3618.2
32.5°	3491.5	3514.8	3521.4	3542.2	3525.0
35°	3388.2	3411.4	3419.1	3440.4	3421.6
37.5°	3276.7	3296.4	3310.1	3325.8	3311.1
40°	3158.6	3176.3	3186.5	3205.7	3186.5
42.5°	3026.9	3052.2	3066.4	3080.1	3048.7
45°	2890.6	2919.4	2925.5	2921.0	2549.1
47.5°	2746.2	2777.6	2781.2	2425.5	2357.1
50°	2587.1	2626.6	2626.1	2241.5	2223.3
52.5°	2421.4	2459.4	2457.9	2097.6	2085.5
55°	2243.0	2284.1	2005.9	1947.7	1948.7
57.5°	2061.2	2090.5	1799.7	1802.2	1768.8
60°	1863.6	1891.4	1625.4	1609.7	1551.9
62.5°	1665.5	1677.1	1456.7	1380.2	1270.2
65°	1456.7	1468.8	1275.3	1048.8	908.5
67.5°	1242.4	1254.5	1058.4	780.3	769.6
70°	1026.5	927.2	803.1	650.1	655.1
72.5°	813.7	712.4	524.9	503.6	363.8
75°	613.6	537.6	407.9	274.1	266.5
77.5°	427.1	370.4	218.4	187.0	174.8
80°	265.0	185.9	130.7	116.0	111.4
82.5°	134.3	106.9	70.9	70.9	70.9
85°	54.7	39.0	40.0	43.6	44.1
87.5°	11.6	15.7	19.3	19.8	19.3
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)