

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: P730293

Luminaire Tested: **HBLED-LD5-12HE-W-WG-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730293
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33336)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12HE-W-WG-UNV-L740
Description: 12000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND WIREGUARD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12374.0 lumens
Efficiency: N/A
Efficacy: 170.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.31 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

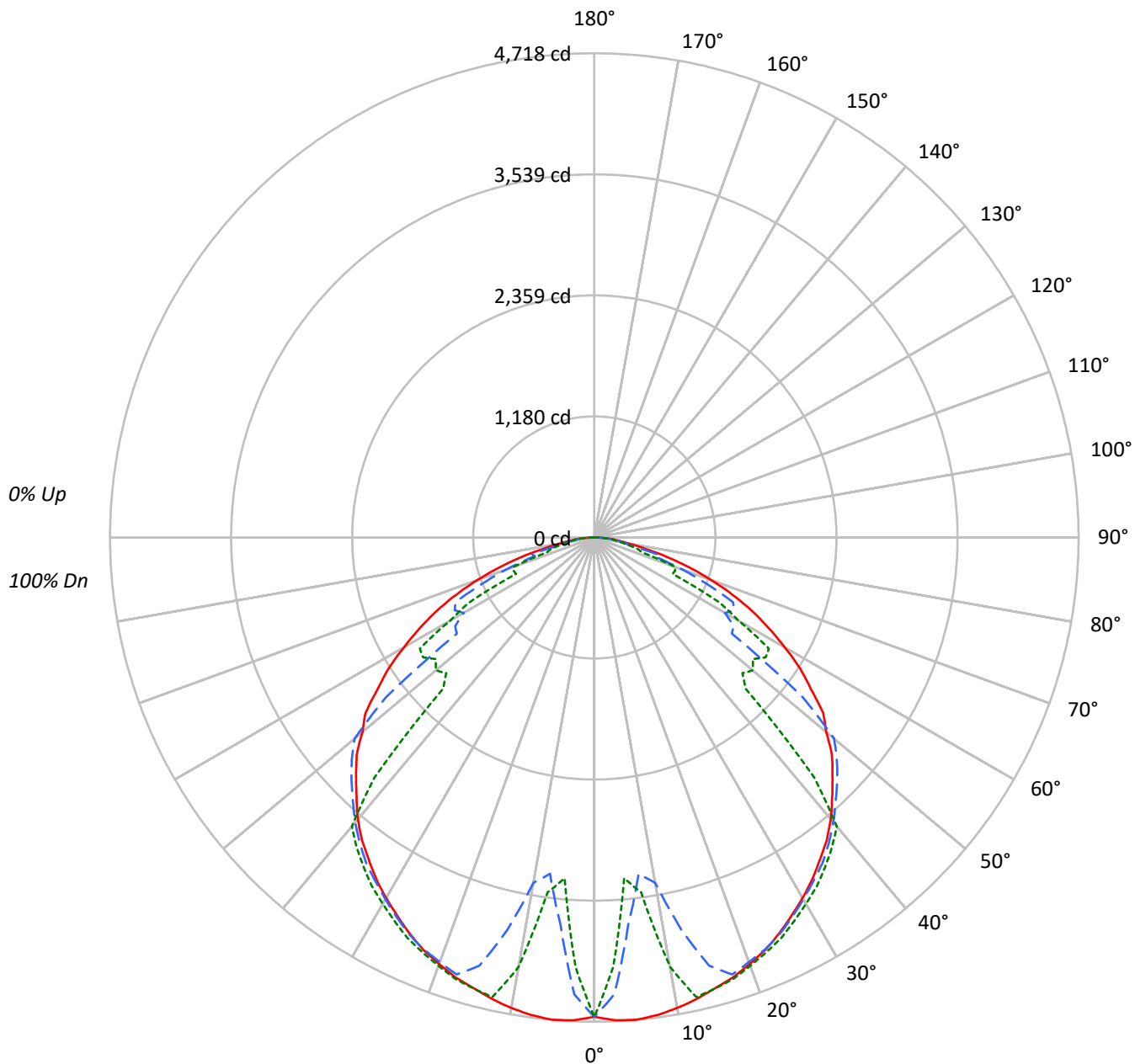
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39		
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37	35		
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31		
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28		
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7541	7541	7541
5°	7646	6143	5402
10°	7633	5602	6967
15°	7599	7220	7606
20°	7599	7565	7632
25°	7586	7603	7672
30°	7564	7589	7687
35°	7552	7635	7725
40°	7553	7635	7745
45°	7494	7640	4748
50°	7409	7656	5060
55°	7252	4603	5735
60°	6918	4745	5252
65°	6482	5697	3213
70°	5724	4316	3939
75°	4561	3923	2732
80°	3142	2835	2348
85°	3010	2618	2482



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.5	3.0
10°-20°	1170.1	9.5
20°-30°	1925.1	15.6
30°-40°	2420.6	19.6
40°-50°	2374.0	19.2
50°-60°	1967.0	15.9
60°-70°	1387.3	11.2
70°-80°	605.3	4.9
80°-90°	151.2	1.2
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°	3468.7	28.0
0°-40°	5889.3	47.6
0°-60°	10230.2	82.7
0°-90°	12374.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12374.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4671	4671	4671	4671	4671	
5°	4718	4391	3790	3436	3333	448
15°	4546	3157	4320	4564	4550	1286
25°	4258	3896	4268	4296	4307	1963
35°	3831	3829	3874	3900	3919	2400
45°	3282	3292	3346	2964	2079	2533
55°	2576	2661	1635	1859	2037	2305
65°	1697	1797	1491	1147	841	1668
75°	731	717	629	411	438	784
85°	162	145	141	135	134	169
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4670.8	4670.8	4670.8	4670.8	4670.8
2.5°	4709.3	4611.6	4456.3	4260.8	4191.6
5°	4717.7	4391.0	3790.0	3436.5	3333.1
7.5°	4693.7	3990.5	3304.1	3378.4	3487.9
10°	4655.7	3638.7	3417.0	4020.1	4249.7
12.5°	4607.1	3325.9	3914.5	4541.2	4587.0
15°	4546.2	3157.3	4319.5	4564.1	4550.1
17.5°	4494.8	3256.1	4464.7	4518.3	4508.2
20°	4422.8	3453.3	4402.7	4445.7	4441.8
22.5°	4350.2	3686.7	4344.0	4374.8	4374.8
25°	4258.1	3896.1	4267.5	4296.0	4306.7
27.5°	4156.9	4016.7	4172.0	4195.5	4214.5
30°	4057.0	4034.1	4070.4	4100.6	4122.9
32.5°	3951.4	3942.5	3971.0	4002.8	4031.3
35°	3831.3	3829.1	3873.8	3899.5	3919.1
37.5°	3718.5	3710.7	3752.0	3787.8	3802.9
40°	3583.4	3583.4	3622.5	3658.8	3674.4
42.5°	3429.2	3451.0	3481.2	3518.6	3169.0
45°	3281.8	3291.8	3346.0	2963.5	2079.3
47.5°	3139.9	3152.7	3204.2	1905.1	1957.0
50°	2949.5	3007.5	3047.8	1899.5	2014.5
52.5°	2810.4	2835.5	2558.5	1880.5	1945.3
55°	2576.4	2660.7	1635.3	1859.3	2037.4
57.5°	2376.5	2437.9	1608.0	1905.1	2015.6
60°	2142.4	2236.3	1469.4	1838.1	1626.4
62.5°	1917.9	2007.3	1534.2	1446.5	1377.3
65°	1696.7	1796.7	1491.2	1147.2	841.1
67.5°	1454.3	1361.1	1189.6	808.2	850.6
70°	1212.5	950.6	914.3	903.7	834.4
72.5°	964.0	693.7	607.1	678.0	485.3
75°	731.1	716.6	628.9	411.1	437.9
77.5°	507.1	517.2	336.8	401.0	332.8
80°	337.9	292.7	304.9	255.8	252.5
82.5°	234.0	239.0	200.5	194.3	197.2
85°	162.5	144.7	141.3	135.2	134.0
87.5°	54.2	63.1	58.7	53.1	56.4
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)