

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: P730432

Luminaire Tested: **HBLED-LD5-15HE-W-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730432
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2304-003-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15HE-W-UNV-L750
Description: 15000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17101.0 lumens
Efficiency: N/A
Efficacy: 187.5 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.31 / 1.43
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

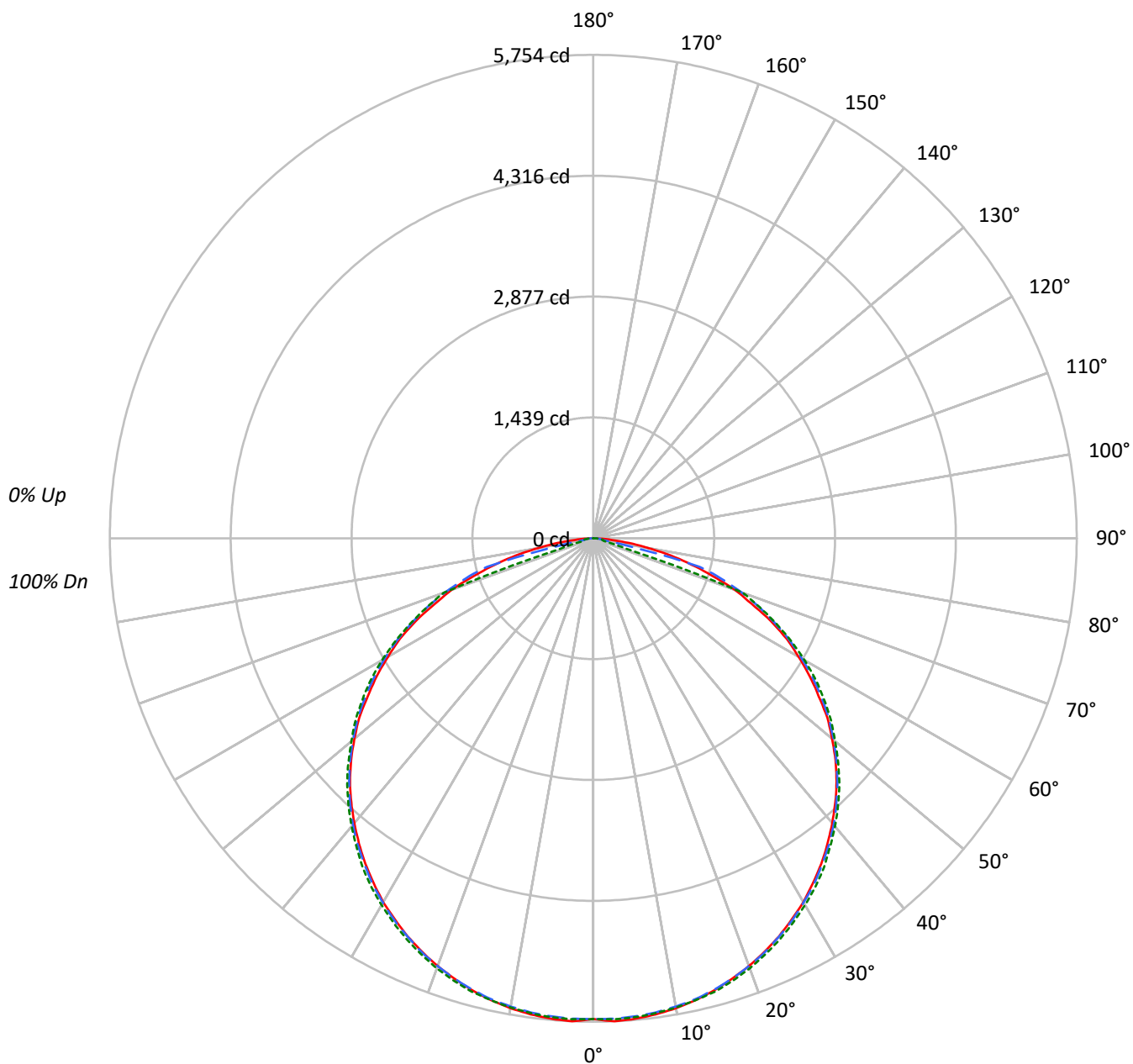
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85		
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70		
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59		
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50		
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43		
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	37		
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33		
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29		
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26		
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9239	9239	9239
5°	9306	9258	9275
10°	9311	9277	9296
15°	9310	9297	9340
20°	9309	9311	9359
25°	9314	9318	9375
30°	9324	9335	9397
35°	9322	9352	9430
40°	9323	9382	9433
45°	9349	9384	9460
50°	9321	9376	9437
55°	9219	9348	9448
60°	9114	9262	9377
65°	8912	9098	9166
70°	8461	8822	8931
75°	7547	8183	986
80°	6069	1019	1079
85°	4039	1323	1347



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	543.5	3.2
10°-20°	1570.5	9.2
20°-30°	2412.9	14.1
30°-40°	2970.4	17.4
40°-50°	3166.8	18.5
50°-60°	2960.3	17.3
60°-70°	2343.4	13.7
70°-80°	997.0	5.8
80°-90°	136.1	0.8
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°	4526.9	26.5
0°-40°	7497.3	43.8
0°-60°	13624.4	79.7
0°-90°	17101.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17101.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5722	5722	5722	5722	5722	
5°	5742	5716	5712	5689	5722	546
15°	5570	5559	5562	5547	5587	1573
25°	5228	5222	5230	5228	5262	2410
35°	4729	4722	4745	4761	4784	2959
45°	4095	4072	4110	4126	4143	3155
55°	3275	3285	3321	3332	3356	2933
65°	2333	2353	2381	2399	2399	2295
75°	1210	1262	1312	214	158	1280
85°	218	65	71	74	73	284
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5722.5	5722.5	5722.5	5722.5	5722.5
2.5°	5754.4	5727.6	5722.5	5699.5	5730.1
5°	5741.6	5716.1	5712.3	5689.3	5722.5
7.5°	5714.8	5694.4	5691.9	5667.7	5700.8
10°	5679.1	5660.0	5658.7	5637.1	5670.2
12.5°	5630.7	5614.1	5619.2	5597.6	5630.7
15°	5569.5	5559.3	5561.9	5546.6	5587.4
17.5°	5495.6	5490.5	5495.6	5484.1	5521.1
20°	5417.8	5411.4	5419.1	5412.7	5447.1
22.5°	5327.3	5319.7	5335.0	5326.0	5357.9
25°	5227.9	5221.5	5230.4	5227.9	5262.3
27.5°	5114.4	5108.0	5127.2	5128.4	5155.2
30°	5001.0	4992.0	5007.3	5013.7	5040.5
32.5°	4865.8	4863.3	4886.2	4891.3	4919.4
35°	4729.4	4721.8	4744.7	4761.3	4784.2
37.5°	4580.3	4579.0	4603.2	4617.3	4628.7
40°	4423.5	4417.1	4451.5	4465.6	4475.7
42.5°	4264.1	4250.1	4283.3	4301.1	4312.6
45°	4094.6	4071.6	4109.9	4126.5	4143.0
47.5°	3908.5	3888.1	3925.0	3942.9	3954.4
50°	3710.9	3691.8	3732.6	3747.9	3756.8
52.5°	3512.0	3492.9	3536.2	3549.0	3570.7
55°	3274.9	3285.1	3320.8	3332.3	3356.5
57.5°	3055.6	3064.6	3099.0	3113.0	3141.1
60°	2822.4	2836.4	2868.3	2882.3	2903.9
62.5°	2596.7	2598.0	2636.2	2642.6	2659.2
65°	2332.8	2353.2	2381.3	2399.1	2399.1
67.5°	2038.4	2088.1	2136.5	2132.7	2142.9
70°	1792.3	1811.5	1868.8	1877.7	1891.8
72.5°	1483.8	1533.6	1597.3	1193.2	405.4
75°	1209.8	1262.0	1311.7	214.2	158.1
77.5°	939.5	980.3	436.0	122.4	119.8
80°	652.7	717.7	109.6	112.2	116.0
82.5°	429.6	350.6	90.5	99.4	100.7
85°	218.0	65.0	71.4	73.9	72.7
87.5°	71.4	39.5	40.8	42.1	43.3
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)