

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: P730438

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730438
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-LD5-15HE-W-WG-UNV-L750
Description: 15000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND WIREGUARD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16195.0 lumens
Efficiency: N/A
Efficacy: 177.6 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

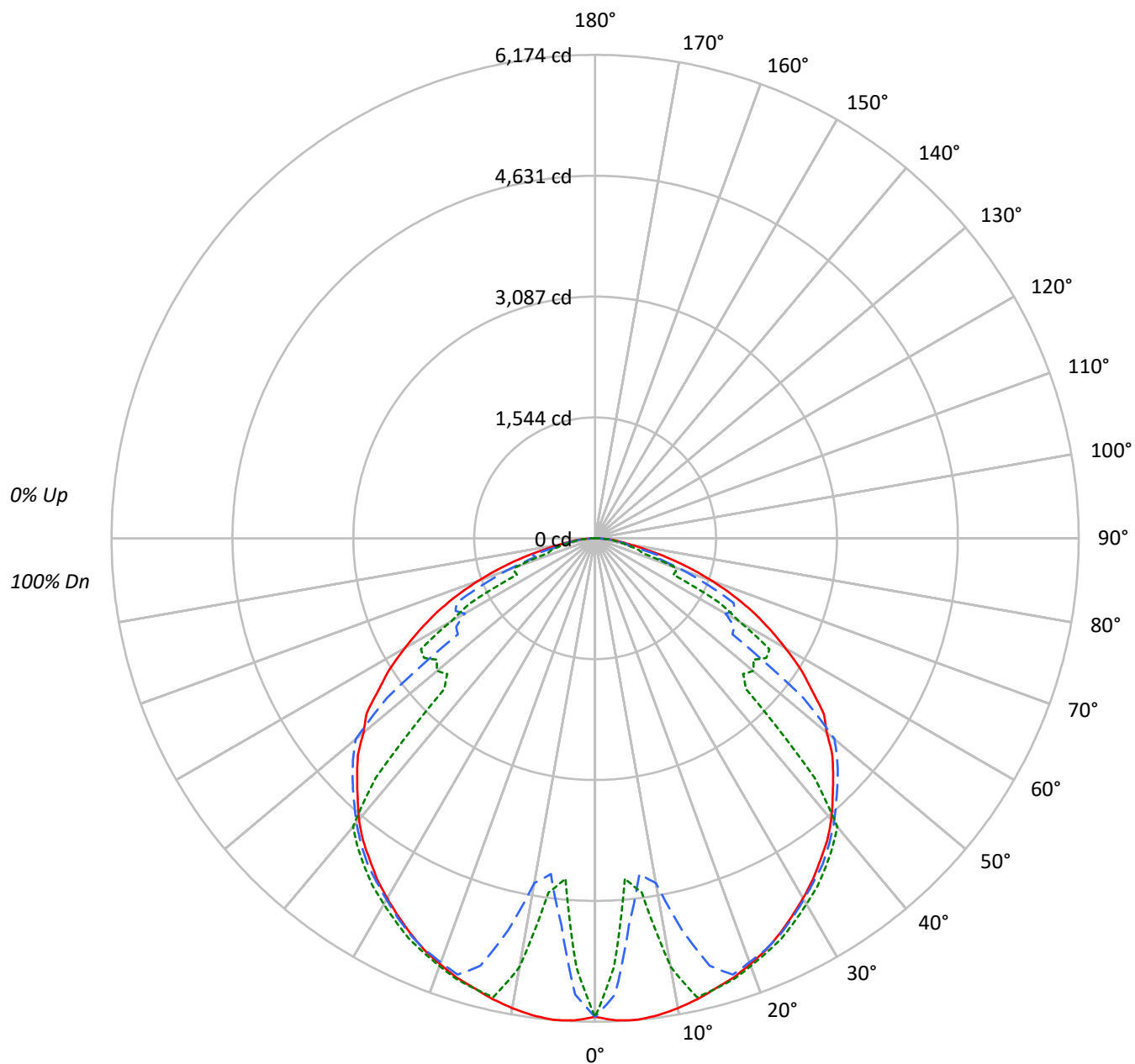
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	9870	9870	9870
5°	10007	8040	7070
10°	9990	7332	9119
15°	9946	9450	9954
20°	9946	9901	9989
25°	9928	9950	10041
30°	9899	9932	10060
35°	9884	9993	10110
40°	9885	9993	10136
45°	9808	9999	6214
50°	9696	10020	6623
55°	9492	6025	7506
60°	9055	6210	6874
65°	8484	7456	4206
70°	7491	5649	5156
75°	5969	5135	3575
80°	4113	3711	3072
85°	3940	3425	3249



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	488.8	3.0
10°-20°	1531.4	9.5
20°-30°	2519.5	15.6
30°-40°	3168.0	19.6
40°-50°	3107.0	19.2
50°-60°	2574.3	15.9
60°-70°	1815.7	11.2
70°-80°	792.2	4.9
80°-90°	197.9	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°	4539.8	28.0
0°-40°	7707.8	47.6
0°-60°	13389.2	82.7
0°-90°	16195.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16195.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6113	6113	6113	6113	6113	
5°	6174	5747	4960	4498	4362	586
15°	5950	4132	5653	5974	5955	1683
25°	5573	5099	5585	5623	5636	2569
35°	5014	5012	5070	5104	5129	3142
45°	4295	4308	4379	3878	2721	3315
55°	3372	3482	2140	2433	2666	3017
65°	2221	2352	1952	1501	1101	2183
75°	957	938	823	538	573	1026
85°	213	189	185	177	175	221
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6113.1	6113.1	6113.1	6113.1	6113.1
2.5°	6163.5	6035.6	5832.4	5576.5	5485.9
5°	6174.5	5746.8	4960.4	4497.7	4362.4
7.5°	6143.1	5222.8	4324.4	4421.6	4564.9
10°	6093.4	4762.3	4472.1	5261.5	5561.9
12.5°	6029.8	4352.9	5123.3	5943.5	6003.4
15°	5950.1	4132.2	5653.3	5973.5	5955.2
17.5°	5882.8	4261.5	5843.4	5913.5	5900.3
20°	5788.5	4519.6	5762.2	5818.5	5813.4
22.5°	5693.5	4825.1	5685.4	5725.7	5725.7
25°	5572.9	5099.2	5585.3	5622.6	5636.5
27.5°	5440.6	5257.1	5460.3	5491.0	5515.9
30°	5309.7	5279.8	5327.3	5366.8	5396.0
32.5°	5171.6	5159.9	5197.2	5238.9	5276.1
35°	5014.4	5011.5	5070.0	5103.6	5129.2
37.5°	4866.8	4856.6	4910.6	4957.4	4977.2
40°	4689.9	4689.9	4741.0	4788.6	4809.1
42.5°	4488.1	4516.7	4556.1	4605.1	4147.5
45°	4295.2	4308.3	4379.2	3878.5	2721.4
47.5°	4109.5	4126.3	4193.6	2493.3	2561.3
50°	3860.2	3936.2	3988.9	2486.1	2636.6
52.5°	3678.3	3711.1	3348.5	2461.2	2546.0
55°	3372.0	3482.3	2140.2	2433.4	2666.5
57.5°	3110.3	3190.7	2104.5	2493.3	2638.1
60°	2804.0	2926.8	1923.1	2405.6	2128.6
62.5°	2510.1	2627.1	2008.0	1893.2	1802.6
65°	2220.7	2351.5	1951.7	1501.4	1100.8
67.5°	1903.4	1781.4	1557.0	1057.7	1113.3
70°	1586.9	1244.1	1196.6	1182.7	1092.1
72.5°	1261.7	907.9	794.5	887.4	635.2
75°	956.9	937.9	823.1	538.0	573.1
77.5°	663.7	676.9	440.8	524.8	435.6
80°	442.3	383.1	399.1	334.8	330.4
82.5°	306.3	312.8	262.4	254.4	258.1
85°	212.7	189.3	184.9	176.9	175.4
87.5°	70.9	82.6	76.8	69.4	73.9
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)