

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: P730410

Luminaire Tested: **HBLED-LD5-15HE-W-CL-UNV-L840**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730410
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-LD5-15HE-W-CL-UNV-L840
Description: 15000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
& DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14378.0 lumens
Efficiency: N/A
Efficacy: 157.7 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

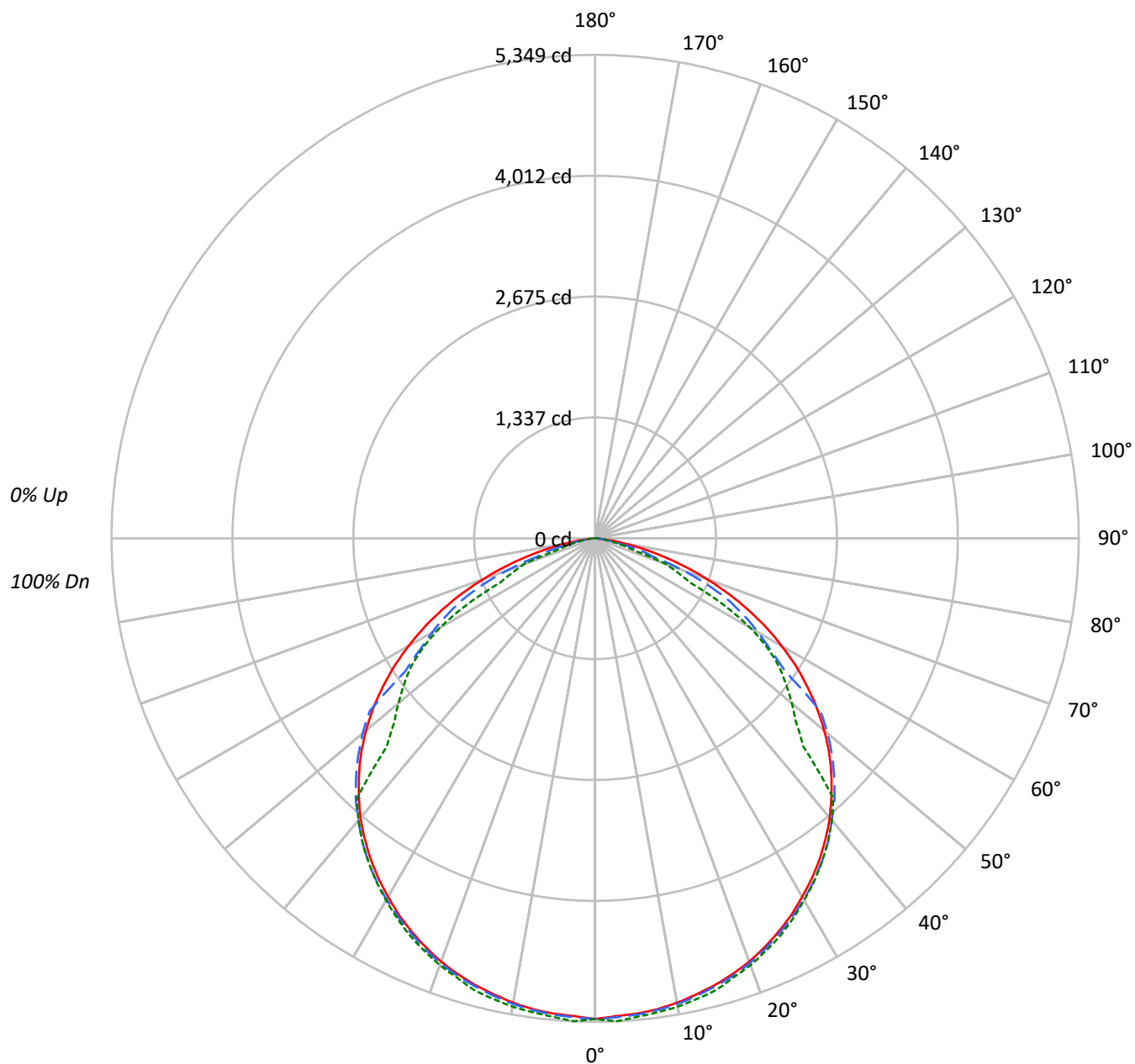
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	8587	8587	8587
5°	8556	8575	8617
10°	8555	8579	8629
15°	8554	8580	8650
20°	8565	8597	8637
25°	8555	8588	8640
30°	8539	8602	8621
35°	8535	8613	8619
40°	8508	8584	8584
45°	8435	8538	7439
50°	8305	8431	7137
55°	8070	7216	7011
60°	7691	6708	6405
65°	7113	6227	4436
70°	6193	4845	3953
75°	4892	3252	2125
80°	3148	1554	1324
85°	1297	948	1043



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	504.5	3.5
10°-20°	1454.1	10.1
20°-30°	2229.4	15.5
30°-40°	2732.5	19.0
40°-50°	2809.2	19.5
50°-60°	2397.5	16.7
60°-70°	1585.0	11.0
70°-80°	587.3	4.1
80°-90°	78.6	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°	4188.0	29.1
0°-40°	6920.5	48.1
0°-60°	12127.2	84.3
0°-90°	14378.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14378.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5318	5318	5318	5318	5318	
5°	5279	5316	5290	5311	5316	502
15°	5118	5149	5133	5172	5175	1446
25°	4802	4828	4820	4864	4850	2214
35°	4330	4360	4370	4397	4373	2709
45°	3694	3731	3739	3733	3258	2847
55°	2867	2919	2564	2489	2490	2558
65°	1862	1877	1630	1340	1161	1836
75°	784	687	521	350	341	841
85°	70	50	51	56	56	116
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5318.4	5318.4	5318.4	5318.4	5318.4
2.5°	5292.5	5325.5	5306.0	5330.6	5349.4
5°	5278.9	5315.8	5290.5	5311.2	5316.4
7.5°	5255.6	5289.9	5266.5	5293.8	5289.9
10°	5218.0	5249.1	5232.9	5261.4	5263.3
12.5°	5170.1	5201.1	5186.3	5221.2	5220.6
15°	5117.6	5148.7	5133.1	5172.0	5174.6
17.5°	5056.1	5084.6	5072.9	5108.6	5094.3
20°	4984.8	5009.5	5003.6	5037.3	5026.9
22.5°	4897.4	4922.7	4916.9	4955.8	4940.2
25°	4802.3	4827.5	4820.4	4863.8	4849.6
27.5°	4699.3	4723.2	4722.6	4763.4	4741.4
30°	4580.1	4611.9	4613.9	4650.1	4624.2
32.5°	4462.3	4492.1	4500.5	4527.1	4505.1
35°	4330.2	4360.0	4369.7	4396.9	4373.0
37.5°	4187.7	4213.0	4230.5	4250.5	4231.8
40°	4036.8	4059.5	4072.5	4097.0	4072.5
42.5°	3868.5	3900.9	3919.0	3936.5	3896.4
45°	3694.3	3731.2	3739.0	3733.1	3257.8
47.5°	3509.8	3549.9	3554.5	3099.9	3012.4
50°	3306.4	3356.9	3356.3	2864.8	2841.5
52.5°	3094.7	3143.3	3141.3	2680.9	2665.4
55°	2866.7	2919.2	2563.6	2489.2	2490.5
57.5°	2634.2	2671.8	2300.1	2303.3	2260.6
60°	2381.7	2417.3	2077.4	2057.3	1983.4
62.5°	2128.5	2143.4	1861.7	1763.9	1623.4
65°	1861.7	1877.3	1629.9	1340.4	1161.0
67.5°	1587.8	1603.4	1352.7	997.2	983.6
70°	1311.9	1185.0	1026.4	830.8	837.3
72.5°	1040.0	910.5	670.9	643.7	464.9
75°	784.2	687.0	521.3	350.3	340.6
77.5°	545.9	473.4	279.1	239.0	223.4
80°	338.6	237.7	167.1	148.3	142.4
82.5°	171.6	136.7	90.7	90.7	90.7
85°	70.0	49.9	51.2	55.7	56.3
87.5°	14.9	20.1	24.6	25.3	24.6
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)