

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: P730409

Luminaire Tested: **HBLED-LD5-15HE-W-CL-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730409
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-L835
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: 13975.0 lumens
Efficiency: N/A
Efficacy: 153.2 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

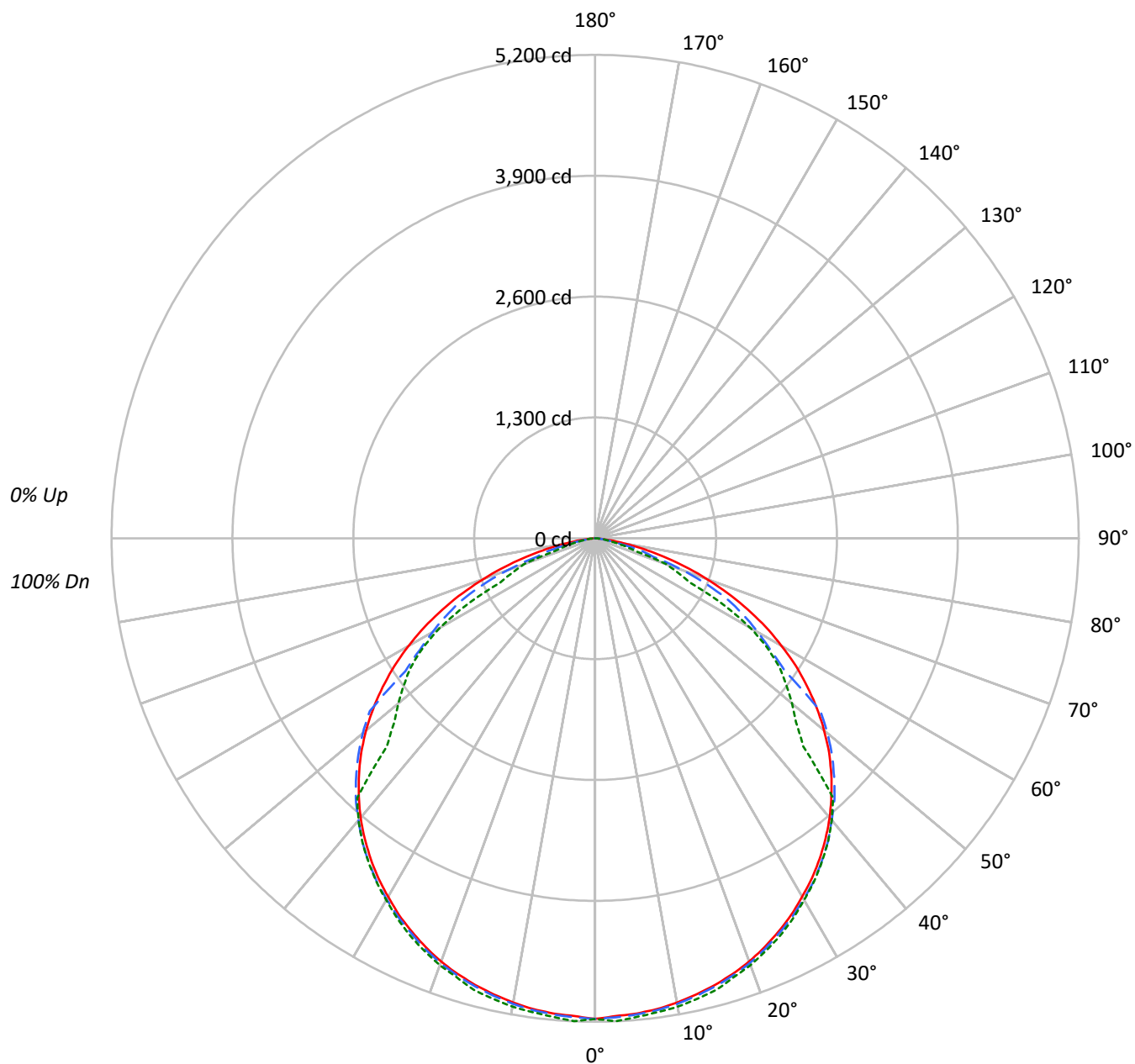
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	8346	8346	8346
5°	8316	8334	8375
10°	8315	8339	8387
15°	8315	8340	8407
20°	8325	8356	8395
25°	8316	8347	8397
30°	8300	8361	8380
35°	8296	8371	8378
40°	8270	8343	8343
45°	8199	8298	7230
50°	8072	8194	6937
55°	7843	7014	6814
60°	7476	6520	6225
65°	6913	6052	4311
70°	6020	4709	3842
75°	4755	3161	2065
80°	3061	1510	1287
85°	1260	921	1013



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	490.4	3.5
10°-20°	1413.4	10.1
20°-30°	2166.9	15.5
30°-40°	2655.9	19.0
40°-50°	2730.5	19.5
50°-60°	2330.3	16.7
60°-70°	1540.6	11.0
70°-80°	570.8	4.1
80°-90°	76.3	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°	4070.6	29.1
0°-40°	6726.5	48.1
0°-60°	11787.3	84.3
0°-90°	13975.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13975.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5169	5169	5169	5169	5169	
5°	5131	5167	5142	5162	5167	488
15°	4974	5004	4989	5027	5030	1405
25°	4668	4692	4685	4728	4714	2152
35°	4209	4238	4247	4274	4250	2633
45°	3591	3627	3634	3628	3166	2767
55°	2786	2837	2492	2419	2421	2486
65°	1810	1825	1584	1303	1128	1784
75°	762	668	507	340	331	818
85°	68	48	50	54	55	112
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5169.3	5169.3	5169.3	5169.3	5169.3
2.5°	5144.1	5176.2	5157.3	5181.2	5199.5
5°	5130.9	5166.8	5142.2	5162.4	5167.4
7.5°	5108.3	5141.6	5118.9	5145.4	5141.6
10°	5071.8	5101.9	5086.2	5113.9	5115.8
12.5°	5025.2	5055.4	5040.9	5074.9	5074.2
15°	4974.2	5004.4	4989.3	5027.1	5029.6
17.5°	4914.4	4942.1	4930.7	4965.4	4951.5
20°	4845.1	4869.1	4863.4	4896.1	4886.0
22.5°	4760.2	4784.7	4779.1	4816.8	4801.7
25°	4667.7	4692.2	4685.3	4727.5	4713.6
27.5°	4567.6	4590.8	4590.2	4629.9	4608.5
30°	4451.8	4482.6	4484.5	4519.8	4494.6
32.5°	4337.3	4366.2	4374.4	4400.2	4378.8
35°	4208.8	4237.8	4247.2	4273.7	4250.4
37.5°	4070.3	4094.9	4111.9	4131.4	4113.1
40°	3923.7	3945.7	3958.3	3982.2	3958.3
42.5°	3760.1	3791.6	3809.2	3826.2	3787.1
45°	3590.7	3626.6	3634.2	3628.5	3166.5
47.5°	3411.4	3450.4	3454.8	3013.0	2928.0
50°	3213.7	3262.8	3262.2	2784.5	2761.9
52.5°	3007.9	3055.2	3053.3	2605.7	2590.6
55°	2786.3	2837.4	2491.8	2419.4	2420.7
57.5°	2560.4	2596.9	2235.7	2238.8	2197.2
60°	2315.0	2349.6	2019.1	1999.6	1927.8
62.5°	2068.9	2083.3	1809.5	1714.5	1577.9
65°	1809.5	1824.6	1584.2	1302.9	1128.5
67.5°	1543.3	1558.4	1314.8	969.3	956.0
70°	1275.2	1151.8	997.6	807.6	813.8
72.5°	1010.8	884.9	652.1	625.6	451.9
75°	762.2	667.8	506.7	340.5	331.1
77.5°	530.6	460.1	271.3	232.3	217.2
80°	329.2	231.0	162.4	144.1	138.4
82.5°	166.8	132.8	88.1	88.1	88.1
85°	68.0	48.5	49.7	54.1	54.7
87.5°	14.5	19.5	23.9	24.6	23.9
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)