

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: P730433

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730433
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-L835
Description: 15000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15494.0 lumens
Efficiency: N/A
Efficacy: 169.9 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

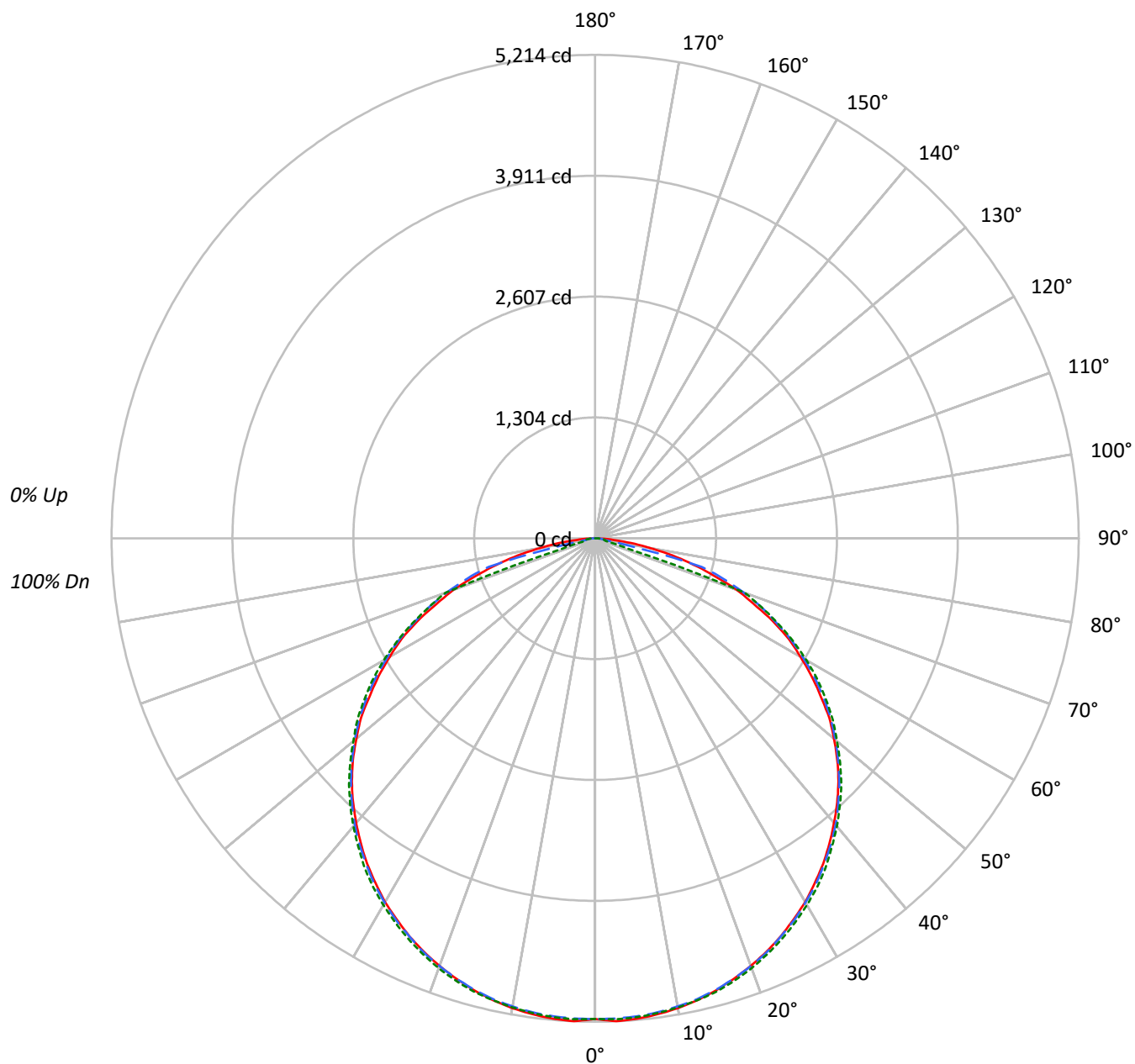
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8371	8371	8371
5°	8431	8388	8403
10°	8436	8406	8423
15°	8435	8423	8462
20°	8434	8436	8480
25°	8438	8442	8494
30°	8447	8458	8514
35°	8446	8473	8544
40°	8447	8501	8547
45°	8471	8503	8571
50°	8445	8495	8550
55°	8353	8469	8561
60°	8257	8392	8496
65°	8075	8243	8304
70°	7666	7993	8091
75°	6838	7414	893
80°	5499	923	977
85°	3659	1199	1219



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	492.4	3.2
10°-20°	1422.9	9.2
20°-30°	2186.2	14.1
30°-40°	2691.3	17.4
40°-50°	2869.2	18.5
50°-60°	2682.1	17.3
60°-70°	2123.2	13.7
70°-80°	903.3	5.8
80°-90°	123.4	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°	4101.5	26.5
0°-40°	6792.8	43.8
0°-60°	12344.1	79.7
0°-90°	15494.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15494.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5185	5185	5185	5185	5185	
5°	5202	5179	5176	5155	5185	495
15°	5046	5037	5039	5025	5062	1425
25°	4737	4731	4739	4737	4768	2184
35°	4285	4278	4299	4314	4335	2681
45°	3710	3689	3724	3739	3754	2859
55°	2967	2976	3009	3019	3041	2657
65°	2114	2132	2158	2174	2174	2079
75°	1096	1143	1188	194	143	1160
85°	198	59	65	67	66	258
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5184.7	5184.7	5184.7	5184.7	5184.7
2.5°	5213.6	5189.4	5184.7	5163.9	5191.7
5°	5202.1	5179.0	5175.5	5154.7	5184.7
7.5°	5177.8	5159.3	5157.0	5135.1	5165.1
10°	5145.5	5128.1	5127.0	5107.4	5137.4
12.5°	5101.6	5086.6	5091.2	5071.5	5101.6
15°	5046.1	5036.9	5039.2	5025.3	5062.3
17.5°	4979.1	4974.5	4979.1	4968.8	5002.2
20°	4908.7	4902.9	4909.8	4904.1	4935.3
22.5°	4826.7	4819.8	4833.6	4825.5	4854.4
25°	4736.6	4730.8	4738.9	4736.6	4767.8
27.5°	4633.8	4628.0	4645.4	4646.5	4670.8
30°	4531.0	4522.9	4536.8	4542.6	4566.8
32.5°	4408.6	4406.3	4427.1	4431.7	4457.1
35°	4285.0	4278.1	4298.9	4313.9	4334.7
37.5°	4149.9	4148.7	4170.7	4183.4	4193.8
40°	4007.8	4002.0	4033.2	4045.9	4055.2
42.5°	3863.4	3850.7	3880.8	3896.9	3907.3
45°	3709.8	3689.0	3723.7	3738.7	3753.7
47.5°	3541.2	3522.7	3556.2	3572.4	3582.8
50°	3362.2	3344.8	3381.8	3395.7	3403.7
52.5°	3182.0	3164.7	3203.9	3215.5	3235.1
55°	2967.2	2976.4	3008.7	3019.1	3041.1
57.5°	2768.5	2776.6	2807.8	2820.5	2845.9
60°	2557.1	2569.8	2598.7	2611.4	2631.1
62.5°	2352.7	2353.9	2388.5	2394.3	2409.3
65°	2113.6	2132.1	2157.5	2173.7	2173.7
67.5°	1846.8	1891.9	1935.8	1932.3	1941.5
70°	1623.9	1641.2	1693.2	1701.3	1714.0
72.5°	1344.4	1389.4	1447.2	1081.1	367.3
75°	1096.1	1143.4	1188.5	194.0	143.2
77.5°	851.2	888.2	395.0	110.9	108.6
80°	591.4	650.3	99.3	101.6	105.1
82.5°	389.2	317.6	82.0	90.1	91.2
85°	197.5	58.9	64.7	67.0	65.8
87.5°	64.7	35.8	37.0	38.1	39.3
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)