

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: P730411

Luminaire Tested: **HBLED-LD5-15HE-W-CL-UNV-L850**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730411
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-L850
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: 14660.0 lumens
Efficiency: N/A
Efficacy: 160.7 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

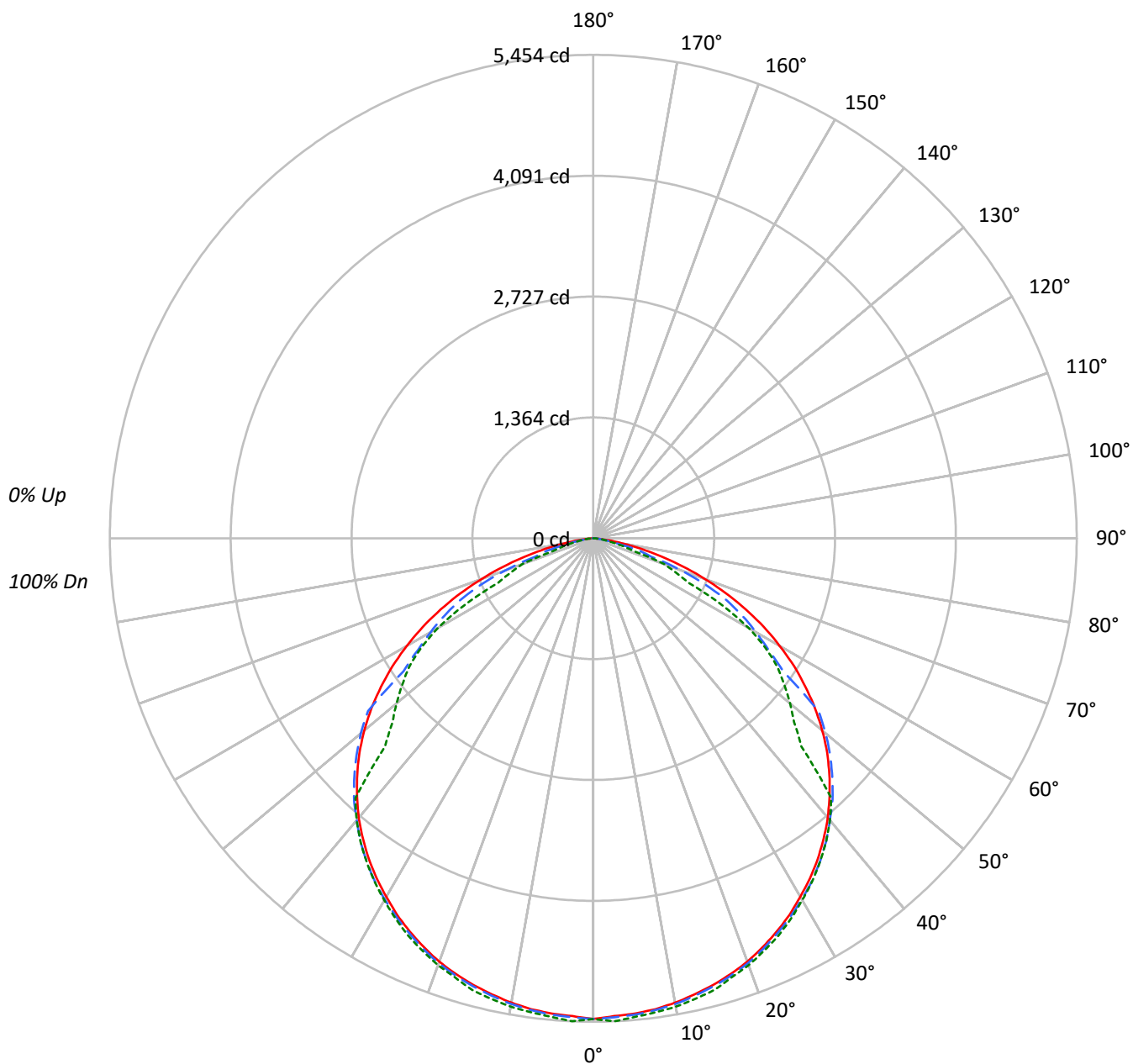
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	8755	8755	8755
5°	8724	8743	8786
10°	8723	8748	8798
15°	8722	8749	8819
20°	8733	8766	8807
25°	8723	8756	8809
30°	8707	8771	8790
35°	8702	8782	8788
40°	8675	8752	8752
45°	8601	8705	7585
50°	8468	8596	7277
55°	8228	7358	7148
60°	7842	6840	6530
65°	7252	6349	4523
70°	6315	4940	4030
75°	4988	3316	2167
80°	3211	1583	1350
85°	1321	967	1063



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	514.4	3.5
10°-20°	1482.6	10.1
20°-30°	2273.1	15.5
30°-40°	2786.1	19.0
40°-50°	2864.3	19.5
50°-60°	2444.5	16.7
60°-70°	1616.1	11.0
70°-80°	598.8	4.1
80°-90°	80.1	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°	4270.2	29.1
0°-40°	7056.2	48.1
0°-60°	12365.0	84.3
0°-90°	14660.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14660.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5423	5423	5423	5423	5423	
5°	5382	5420	5394	5415	5421	512
15°	5218	5250	5234	5274	5276	1474
25°	4896	4922	4915	4959	4945	2258
35°	4415	4446	4455	4483	4459	2762
45°	3767	3804	3812	3806	3322	2903
55°	2923	2976	2614	2538	2539	2608
65°	1898	1914	1662	1367	1184	1872
75°	800	700	532	357	347	858
85°	71	51	52	57	57	118
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5422.7	5422.7	5422.7	5422.7	5422.7
2.5°	5396.3	5430.0	5410.1	5435.2	5454.3
5°	5382.4	5420.0	5394.3	5415.4	5420.7
7.5°	5358.6	5393.6	5369.8	5397.6	5393.6
10°	5320.4	5352.0	5335.5	5364.6	5366.5
12.5°	5271.5	5303.1	5288.0	5323.6	5322.9
15°	5218.0	5249.7	5233.8	5273.5	5276.1
17.5°	5155.3	5184.3	5172.4	5208.8	5194.2
20°	5082.6	5107.7	5101.8	5136.1	5125.5
22.5°	4993.5	5019.2	5013.3	5052.9	5037.1
25°	4896.5	4922.2	4914.9	4959.2	4944.7
27.5°	4791.5	4815.9	4815.2	4856.9	4834.4
30°	4670.0	4702.4	4704.3	4741.3	4714.9
32.5°	4549.8	4580.2	4588.8	4615.9	4593.4
35°	4415.1	4445.5	4455.4	4483.2	4458.7
37.5°	4269.9	4295.6	4313.4	4333.9	4314.8
40°	4116.0	4139.1	4152.4	4177.4	4152.4
42.5°	3944.4	3977.4	3995.9	4013.7	3972.8
45°	3766.7	3804.4	3812.3	3806.4	3321.7
47.5°	3578.6	3619.5	3624.2	3160.7	3071.5
50°	3371.3	3422.8	3422.1	2920.9	2897.2
52.5°	3155.4	3204.9	3202.9	2733.5	2717.6
55°	2922.9	2976.4	2613.9	2538.0	2539.4
57.5°	2685.9	2724.2	2345.3	2348.5	2304.9
60°	2428.4	2464.7	2118.1	2097.6	2022.3
62.5°	2170.3	2185.5	1898.2	1798.5	1655.3
65°	1898.2	1914.1	1661.9	1366.7	1183.8
67.5°	1619.0	1634.8	1379.2	1016.8	1002.9
70°	1337.7	1208.3	1046.5	847.1	853.7
72.5°	1060.4	928.3	684.0	656.3	474.0
75°	799.6	700.5	531.5	357.2	347.3
77.5°	556.6	482.6	284.6	243.6	227.8
80°	345.3	242.3	170.3	151.2	145.2
82.5°	175.0	139.3	92.4	92.4	92.4
85°	71.3	50.9	52.2	56.8	57.4
87.5°	15.2	20.5	25.1	25.8	25.1
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)