

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: P730406

Luminaire Tested: **HBLED-LD5-15HE-W-CL-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730406
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-L735
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: 14620.0 lumens
Efficiency: N/A
Efficacy: 160.3 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

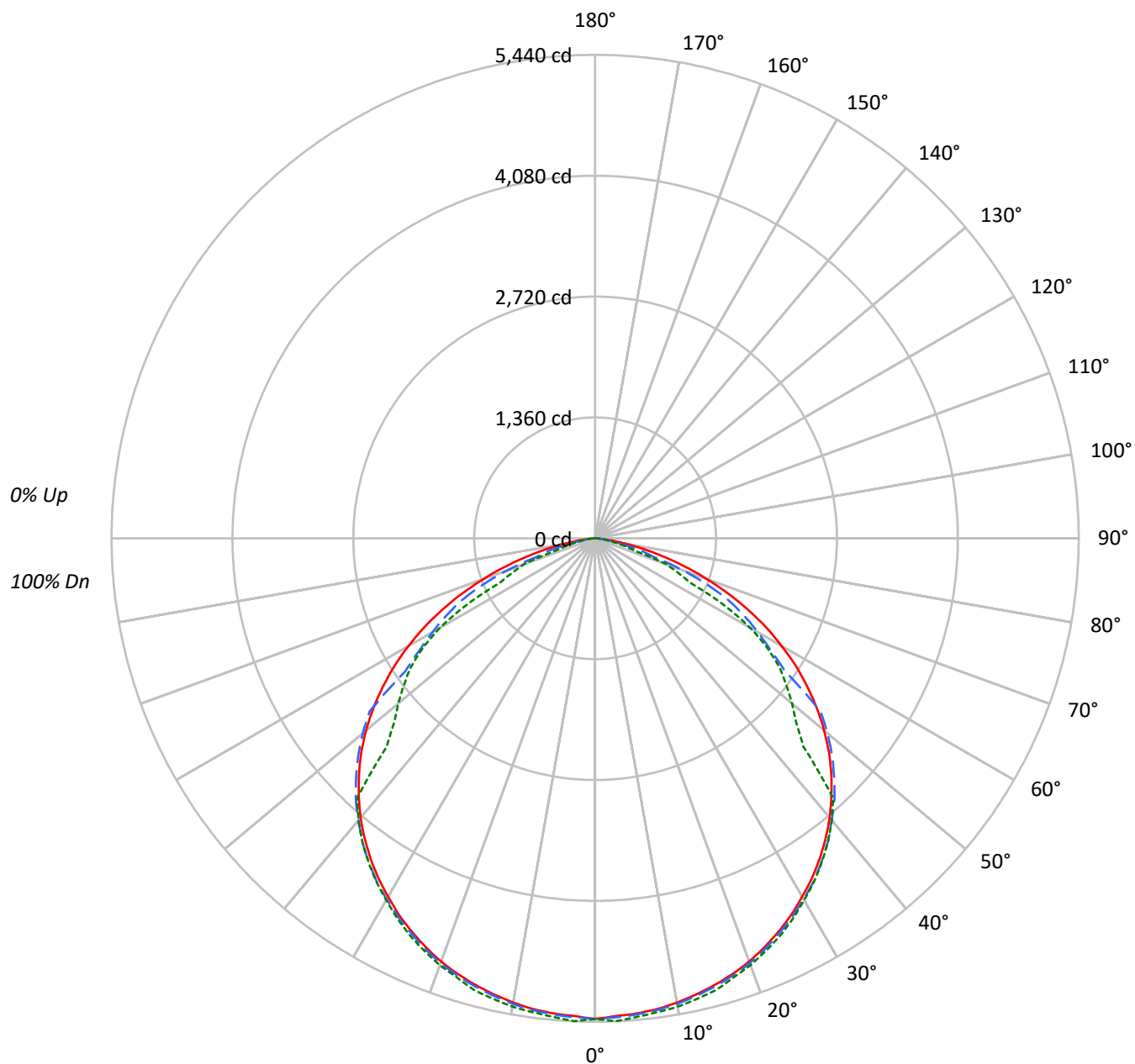
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	8732	8732	8732
5°	8700	8719	8762
10°	8699	8724	8774
15°	8698	8725	8795
20°	8709	8742	8783
25°	8699	8732	8785
30°	8683	8747	8766
35°	8679	8758	8764
40°	8652	8728	8728
45°	8577	8681	7564
50°	8445	8572	7257
55°	8205	7338	7129
60°	7820	6821	6513
65°	7232	6332	4510
70°	6297	4927	4019
75°	4974	3307	2160
80°	3201	1580	1346
85°	1317	963	1062



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	513.0	3.5
10°-20°	1478.6	10.1
20°-30°	2266.9	15.5
30°-40°	2778.5	19.0
40°-50°	2856.5	19.5
50°-60°	2437.9	16.7
60°-70°	1611.7	11.0
70°-80°	597.1	4.1
80°-90°	79.9	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°	4258.5	29.1
0°-40°	7037.0	48.1
0°-60°	12331.3	84.3
0°-90°	14620.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14620.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5408	5408	5408	5408	5408	
5°	5368	5405	5380	5401	5406	511
15°	5204	5235	5220	5259	5262	1470
25°	4883	4909	4902	4946	4931	2251
35°	4403	4433	4443	4471	4447	2754
45°	3756	3794	3802	3796	3313	2895
55°	2915	2968	2607	2531	2532	2601
65°	1893	1909	1657	1363	1181	1867
75°	797	699	530	356	346	855
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°	5407.9	5407.9	5407.9	5407.9	5407.9
2.5°	5381.5	5415.1	5395.3	5420.4	5439.5
5°	5367.7	5405.2	5379.5	5400.6	5405.9
7.5°	5344.0	5378.9	5355.2	5382.9	5378.9
10°	5305.8	5337.4	5321.0	5350.0	5351.9
12.5°	5257.1	5288.7	5273.5	5309.1	5308.4
15°	5203.7	5235.4	5219.5	5259.1	5261.7
17.5°	5141.2	5170.2	5158.3	5194.6	5180.0
20°	5068.7	5093.8	5087.8	5122.1	5111.5
22.5°	4979.9	5005.5	4999.7	5039.2	5023.3
25°	4883.1	4908.8	4901.5	4945.6	4931.2
27.5°	4778.4	4802.7	4802.1	4843.6	4821.2
30°	4657.2	4689.5	4691.5	4728.4	4702.0
32.5°	4537.4	4567.7	4576.3	4603.3	4580.9
35°	4403.1	4433.3	4443.3	4470.9	4446.6
37.5°	4258.2	4283.9	4301.7	4322.1	4303.0
40°	4104.8	4127.8	4141.0	4166.0	4141.0
42.5°	3933.6	3966.6	3985.0	4002.7	3961.9
45°	3756.5	3794.0	3801.9	3796.0	3312.7
47.5°	3568.8	3609.7	3614.3	3152.0	3063.1
50°	3362.1	3413.4	3412.8	2913.0	2889.3
52.5°	3146.8	3196.2	3194.2	2726.0	2710.2
55°	2914.9	2968.3	2606.8	2531.1	2532.4
57.5°	2678.6	2716.8	2338.9	2342.1	2298.6
60°	2421.8	2458.0	2112.3	2091.9	2016.8
62.5°	2164.4	2179.5	1893.1	1793.6	1650.7
65°	1893.1	1908.8	1657.4	1363.0	1180.6
67.5°	1614.6	1630.3	1375.5	1014.0	1000.2
70°	1334.0	1205.0	1043.7	844.8	851.4
72.5°	1057.5	925.8	682.2	654.5	472.7
75°	797.4	698.6	530.1	356.2	346.3
77.5°	555.1	481.3	283.8	243.0	227.2
80°	344.3	241.7	169.9	150.8	144.8
82.5°	174.5	139.0	92.2	92.2	92.2
85°	71.1	50.7	52.0	56.6	57.3
87.5°	15.1	20.4	25.0	25.7	25.0
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)