

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: P730412

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730412
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33385)
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-WG-UNV-L735
Description: 15000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS,
WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14376.0 lumens
Efficiency: N/A
Efficacy: 157.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.3 / 1.33
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

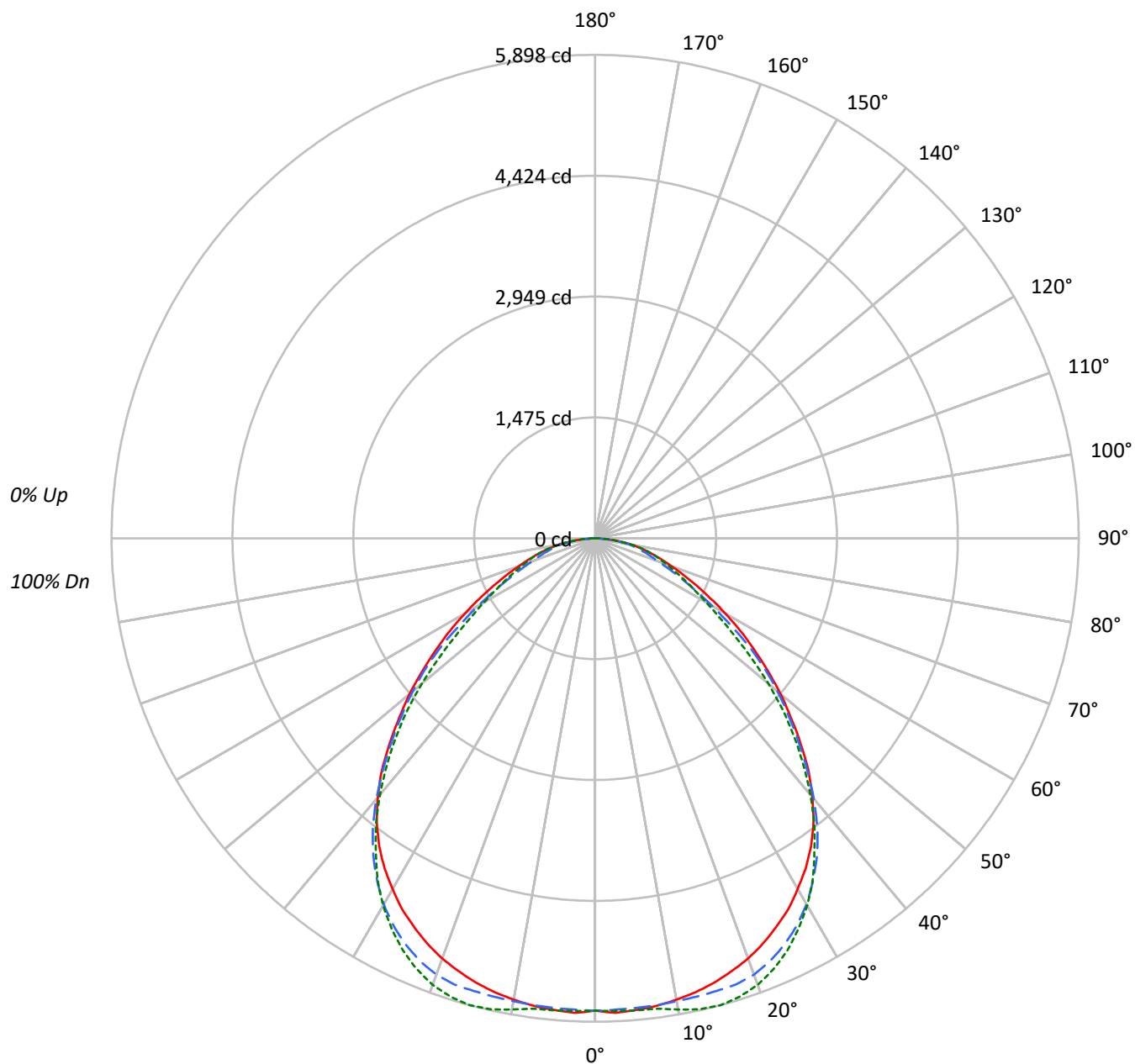
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65	63		
4	85	74	66	59	83	73	65	59	70	64	58	68	62	57	66	61	57	55		
5	79	67	58	52	77	65	57	52	63	56	51	61	55	50	60	54	50	48		
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44	42		
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	38		
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36	34		
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31		
10	56	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9307	9307	9307
5°	9362	9323	9369
10°	9370	9402	9570
15°	9382	9558	9859
20°	9376	9733	9961
25°	9318	9742	9885
30°	9211	9613	9644
35°	9047	9302	9190
40°	8690	8743	8605
45°	8097	8012	7849
50°	7413	7294	6920
55°	6659	6412	5851
60°	5906	5305	5051
65°	5203	4408	4584
70°	4654	3825	4366
75°	4359	3719	4415
80°	4244	3760	4203
85°	3388	2975	3084



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	549.1	3.8
10°-20°	1617.5	11.3
20°-30°	2488.3	17.3
30°-40°	2903.9	20.2
40°-50°	2698.5	18.8
50°-60°	2000.3	13.9
60°-70°	1222.8	8.5
70°-80°	696.5	4.8
80°-90°	199.2	1.4
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°	4654.8	32.4
0°-40°	7558.7	52.6
0°-60°	12257.5	85.3
0°-90°	14376.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14376.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5764	5764	5764	5764	5764	
5°	5776	5750	5752	5748	5781	550
15°	5613	5610	5718	5831	5898	1584
25°	5231	5271	5468	5515	5549	2409
35°	4590	4625	4719	4680	4663	2860
45°	3546	3567	3509	3454	3438	2732
55°	2366	2306	2278	2116	2078	2123
65°	1362	1237	1154	1185	1200	1363
75°	699	656	596	680	708	748
85°	183	178	161	166	166	211
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5764.4	5764.4	5764.4	5764.4	5764.4
2.5°	5795.6	5762.9	5756.9	5743.6	5773.3
5°	5776.3	5749.5	5752.4	5748.0	5780.7
7.5°	5753.9	5734.6	5746.5	5745.0	5788.2
10°	5715.3	5704.9	5734.6	5767.3	5837.2
12.5°	5672.2	5661.8	5727.2	5810.4	5886.3
15°	5612.7	5609.7	5718.3	5831.3	5898.2
17.5°	5538.4	5542.8	5707.8	5804.5	5864.0
20°	5456.6	5464.0	5664.7	5743.6	5797.1
22.5°	5351.0	5376.3	5581.5	5646.9	5688.5
25°	5230.6	5270.7	5468.5	5514.6	5548.7
27.5°	5101.3	5141.4	5328.7	5352.5	5371.9
30°	4940.7	4997.1	5156.2	5159.3	5172.6
32.5°	4777.1	4827.7	4949.6	4936.2	4939.1
35°	4589.8	4625.4	4719.1	4680.5	4662.6
37.5°	4374.2	4393.5	4453.0	4395.0	4392.0
40°	4122.9	4148.2	4148.2	4067.9	4082.8
42.5°	3855.3	3864.2	3827.1	3751.2	3763.1
45°	3546.0	3566.8	3508.8	3453.9	3437.5
47.5°	3239.7	3260.6	3199.6	3135.7	3107.5
50°	2951.3	2940.9	2903.8	2795.2	2755.1
52.5°	2652.5	2619.8	2604.9	2445.8	2399.7
55°	2365.5	2306.1	2277.8	2115.7	2078.5
57.5°	2099.4	1992.4	1938.8	1812.5	1797.5
60°	1828.8	1708.3	1642.9	1561.1	1564.1
62.5°	1583.5	1457.0	1378.3	1354.5	1364.9
65°	1361.9	1237.0	1153.8	1185.0	1199.8
67.5°	1161.2	1058.6	964.9	1037.8	1052.6
70°	985.8	904.0	810.3	917.4	924.8
72.5°	840.0	773.2	694.3	795.4	811.8
75°	698.8	655.7	596.2	679.5	707.7
77.5°	575.4	541.2	507.0	557.6	588.8
80°	456.4	422.3	404.4	431.1	452.0
82.5°	322.6	300.4	282.5	301.8	312.3
85°	182.9	178.4	160.6	166.5	166.5
87.5°	41.6	47.6	53.5	49.1	41.6
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)