

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: P730397

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730397
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23761)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15HE-W-A-UNV-L835
Description: 15000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13619.0 lumens
Efficiency: N/A
Efficacy: 149.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.2 / 1.27
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

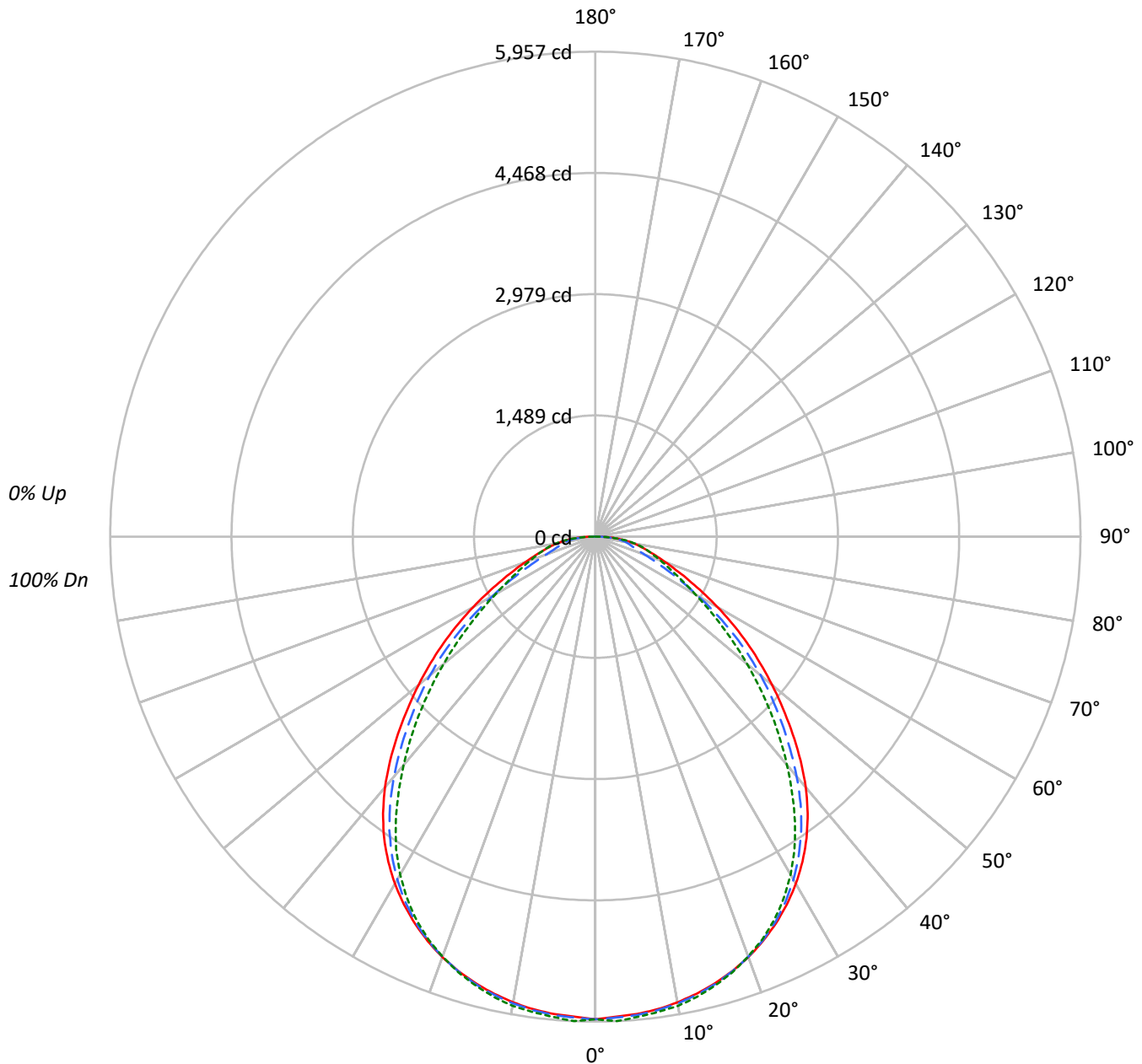
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	110	105	101	98	107	103	100	96	99	96	93		95	93	90		91
2	101	93	87	82	98	91	86	81	88	83	79		85	81	77		82
3	93	83	75	70	90	81	75	69	79	73	68		76	71	67		73
4	85	74	66	60	83	73	65	60	71	64	59		68	63	58		66
5	79	67	59	52	77	66	58	52	64	57	52		62	56	51		60
6	73	61	52	46	72	60	52	46	58	51	46		56	50	45		55
7	68	55	47	41	67	55	47	41	53	46	41		52	45	41		50
8	64	51	43	37	62	50	42	37	49	42	37		48	41	37		47
9	60	47	39	34	58	46	39	34	45	38	33		44	38	33		43
10	56	43	36	31	55	43	36	31	42	35	31		41	35	30		40

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9572	9572	9572
5°	9538	9560	9599
10°	9525	9547	9595
15°	9493	9512	9534
20°	9443	9436	9430
25°	9341	9309	9256
30°	9180	9068	8936
35°	8913	8689	8421
40°	8470	8106	7717
45°	7824	7388	6940
50°	7113	6652	6105
55°	6395	5759	5277
60°	5596	4707	4579
65°	4825	3701	4133
70°	4302	3021	3983
75°	4121	2949	4162
80°	4457	3488	4638
85°	5004	4200	5054



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	561.9	4.1
10°-20°	1608.1	11.8
20°-30°	2405.5	17.7
30°-40°	2744.5	20.2
40°-50°	2498.3	18.3
50°-60°	1834.4	13.5
60°-70°	1083.2	8.0
70°-80°	620.7	4.6
80°-90°	262.5	1.9
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°	4575.5	33.6
0°-40°	7320.0	53.7
0°-60°	11652.7	85.6
0°-90°	13619.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13619.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5929	5929	5929	5929	5929	
5°	5885	5922	5898	5922	5923	559
15°	5679	5711	5690	5711	5704	1603
25°	5243	5262	5225	5223	5196	2414
35°	4522	4500	4408	4333	4272	2817
45°	3427	3407	3235	3090	3040	2641
55°	2272	2167	2046	1898	1875	2032
65°	1263	1102	969	1036	1082	1271
75°	661	566	473	616	667	712
85°	270	249	227	267	273	282
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5928.6	5928.6	5928.6	5928.6	5928.6
2.5°	5901.1	5935.3	5913.8	5937.3	5957.3
5°	5885.1	5921.9	5898.5	5921.9	5922.6
7.5°	5855.7	5889.8	5867.1	5892.5	5889.8
10°	5809.5	5843.7	5823.0	5850.4	5852.4
12.5°	5750.7	5783.5	5762.1	5793.5	5788.2
15°	5679.2	5710.6	5690.5	5710.6	5703.9
17.5°	5594.9	5623.7	5597.6	5619.7	5608.3
20°	5496.0	5520.0	5492.0	5512.7	5488.0
22.5°	5377.7	5399.0	5369.6	5381.0	5355.6
25°	5243.2	5262.0	5225.2	5223.2	5195.8
27.5°	5093.5	5103.5	5056.7	5040.6	5009.2
30°	4923.7	4926.3	4864.1	4834.1	4793.3
32.5°	4733.1	4726.4	4646.8	4602.1	4551.9
35°	4521.8	4499.8	4408.2	4332.6	4272.4
37.5°	4283.2	4248.4	4138.7	4027.1	3969.5
40°	4018.4	3977.6	3845.9	3707.4	3661.3
42.5°	3730.2	3695.4	3540.3	3395.9	3350.4
45°	3426.6	3406.6	3235.4	3090.3	3039.5
47.5°	3123.1	3108.4	2941.2	2793.5	2731.9
50°	2831.6	2799.5	2648.4	2486.5	2430.4
52.5°	2548.7	2483.2	2350.2	2184.3	2142.9
55°	2271.9	2167.0	2046.0	1897.6	1874.8
57.5°	1997.8	1862.1	1744.4	1633.4	1632.8
60°	1733.1	1577.9	1457.6	1399.4	1418.1
62.5°	1485.0	1325.8	1195.5	1199.5	1233.6
65°	1263.0	1102.5	968.8	1036.3	1081.8
67.5°	1072.5	919.3	783.6	909.3	952.7
70°	911.3	772.9	639.9	797.0	843.8
72.5°	775.6	659.2	539.6	703.4	750.8
75°	660.6	566.3	472.7	616.5	667.2
77.5°	567.0	483.4	423.9	533.5	586.4
80°	479.4	405.9	375.1	453.3	498.8
82.5°	379.7	329.0	310.9	368.4	391.8
85°	270.1	249.4	226.7	267.4	272.8
87.5°	148.4	153.8	127.0	153.8	154.4
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)