

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: P730415

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730415
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-L835
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: 13743.0 lumens
Efficiency: N/A
Efficacy: 150.7 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

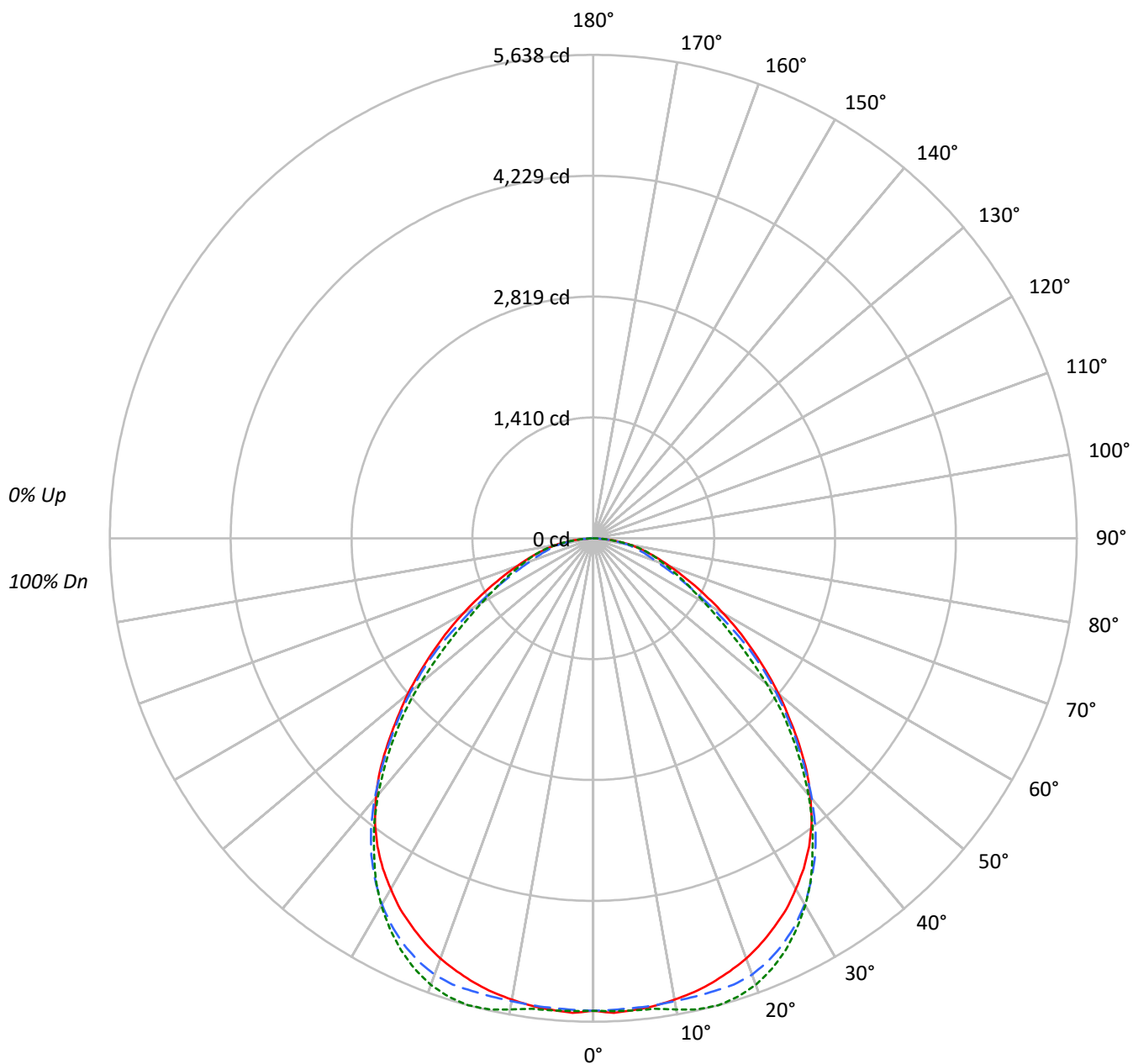
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	8897	8897	8897
5°	8950	8913	8957
10°	8958	8988	9149
15°	8969	9137	9425
20°	8963	9305	9522
25°	8908	9313	9450
30°	8806	9190	9219
35°	8648	8892	8786
40°	8307	8358	8226
45°	7740	7659	7503
50°	7087	6973	6616
55°	6365	6130	5593
60°	5646	5072	4828
65°	4974	4214	4382
70°	4449	3657	4174
75°	4167	3556	4221
80°	4057	3595	4018
85°	3238	2844	2949



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	524.9	3.8
10°-20°	1546.2	11.3
20°-30°	2378.7	17.3
30°-40°	2776.1	20.2
40°-50°	2579.7	18.8
50°-60°	1912.2	13.9
60°-70°	1168.9	8.5
70°-80°	665.8	4.8
80°-90°	190.4	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°	4449.9	32.4
0°-40°	7225.9	52.6
0°-60°	11717.8	85.3
0°-90°	13743.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13743.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5511	5511	5511	5511	5511	
5°	5522	5496	5499	5495	5526	525
15°	5366	5363	5466	5574	5638	1515
25°	5000	5039	5228	5272	5304	2303
35°	4388	4422	4511	4474	4457	2734
45°	3390	3410	3354	3302	3286	2612
55°	2261	2204	2178	2022	1987	2029
65°	1302	1182	1103	1133	1147	1303
75°	668	627	570	650	677	715
85°	175	170	154	159	159	202
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5510.6	5510.6	5510.6	5510.6	5510.6
2.5°	5540.4	5509.1	5503.4	5490.7	5519.0
5°	5521.9	5496.3	5499.1	5494.9	5526.2
7.5°	5500.6	5482.1	5493.5	5492.0	5533.3
10°	5463.7	5453.7	5482.1	5513.4	5580.2
12.5°	5422.4	5412.5	5475.0	5554.6	5627.1
15°	5365.6	5362.7	5466.5	5574.5	5638.5
17.5°	5294.5	5298.8	5456.5	5548.9	5605.8
20°	5216.3	5223.4	5415.3	5490.7	5541.8
22.5°	5115.4	5139.6	5335.7	5398.2	5438.0
25°	5000.3	5038.6	5227.7	5271.8	5304.4
27.5°	4876.6	4915.0	5094.1	5116.8	5135.3
30°	4723.1	4777.1	4929.2	4932.1	4944.8
32.5°	4566.8	4615.1	4731.7	4718.8	4721.7
35°	4387.7	4421.8	4511.3	4474.4	4457.3
37.5°	4181.6	4200.1	4256.9	4201.5	4198.6
40°	3941.4	3965.5	3965.5	3888.8	3903.0
42.5°	3685.6	3694.0	3658.6	3586.0	3597.4
45°	3389.9	3409.8	3354.3	3301.8	3286.1
47.5°	3097.1	3117.0	3058.7	2997.6	2970.6
50°	2821.4	2811.4	2775.9	2672.1	2633.8
52.5°	2535.7	2504.4	2490.2	2338.1	2294.1
55°	2261.3	2204.5	2177.5	2022.5	1987.0
57.5°	2006.9	1904.6	1853.5	1732.6	1718.4
60°	1748.3	1633.1	1570.6	1492.4	1495.2
62.5°	1513.8	1392.9	1317.6	1294.9	1304.8
65°	1302.0	1182.5	1103.0	1132.8	1147.0
67.5°	1110.1	1012.0	922.5	992.1	1006.3
70°	942.4	864.2	774.6	877.0	884.1
72.5°	803.0	739.1	663.8	760.4	776.0
75°	668.0	626.8	570.0	649.6	676.6
77.5°	550.0	517.4	484.7	533.0	562.9
80°	436.3	403.7	386.6	412.2	432.1
82.5°	308.4	287.1	270.1	288.5	298.5
85°	174.8	170.5	153.5	159.2	159.2
87.5°	39.8	45.5	51.2	46.9	39.8
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)