

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: P730408

Luminaire Tested: **HBLED-LD5-15HE-W-CL-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730408
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-L750
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: 15425.0 lumens
Efficiency: N/A
Efficacy: 169.1 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

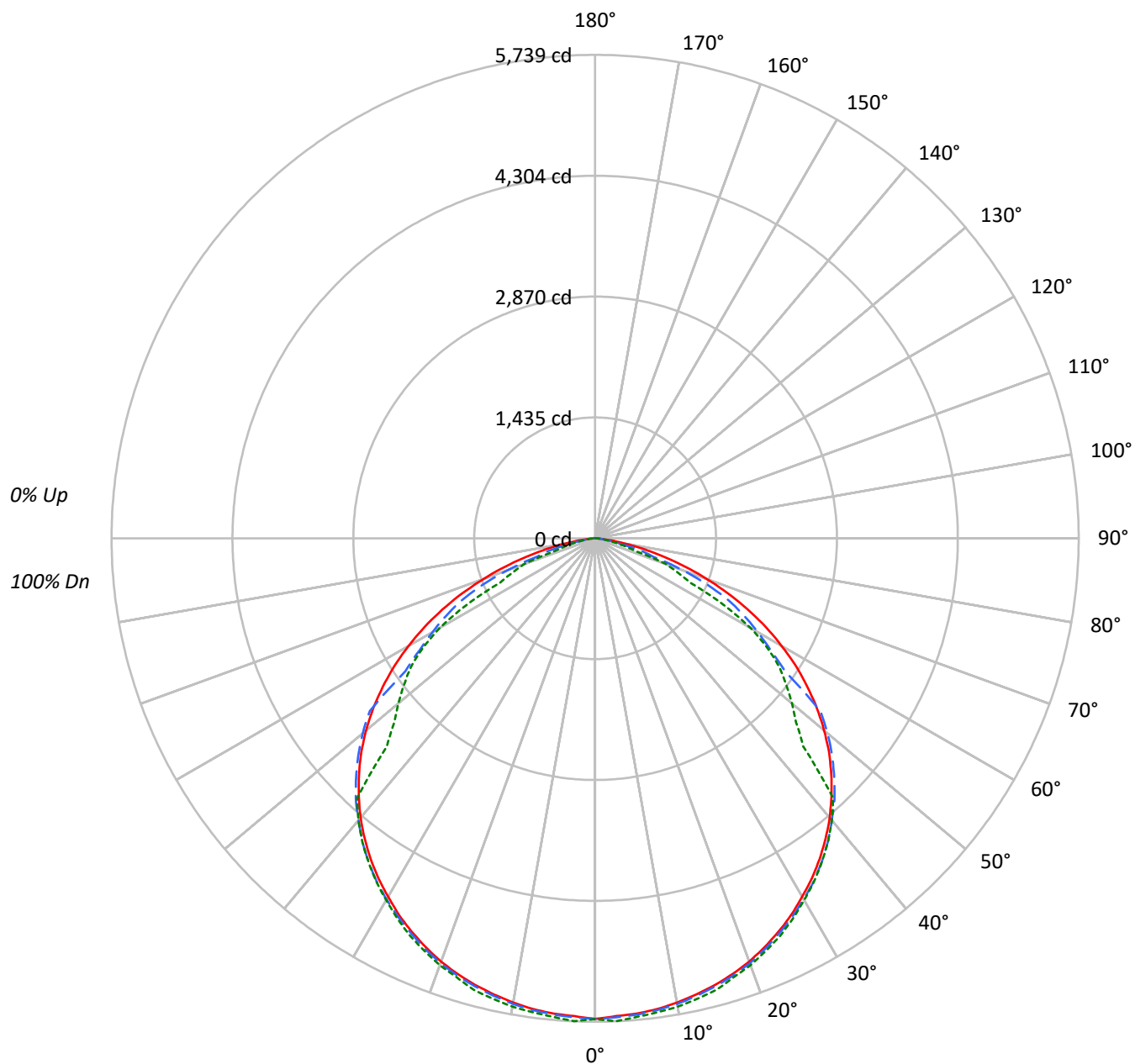
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	9212	9212	9212
5°	9179	9199	9244
10°	9178	9204	9258
15°	9177	9205	9279
20°	9189	9223	9266
25°	9178	9213	9269
30°	9161	9228	9249
35°	9156	9240	9247
40°	9128	9209	9209
45°	9050	9159	7981
50°	8910	9044	7657
55°	8657	7742	7521
60°	8251	7197	6871
65°	7631	6680	4759
70°	6644	5198	4240
75°	5248	3488	2279
80°	3378	1666	1421
85°	1389	1017	1119



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	541.2	3.5
10°-20°	1560.0	10.1
20°-30°	2391.7	15.5
30°-40°	2931.4	19.0
40°-50°	3013.8	19.5
50°-60°	2572.1	16.7
60°-70°	1700.5	11.0
70°-80°	630.0	4.1
80°-90°	84.2	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°	4493.0	29.1
0°-40°	7424.4	48.1
0°-60°	13010.3	84.3
0°-90°	15425.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15425.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5706	5706	5706	5706	5706	
5°	5663	5703	5676	5698	5704	539
15°	5490	5524	5507	5549	5551	1551
25°	5152	5179	5171	5218	5203	2375
35°	4646	4678	4688	4717	4691	2906
45°	3963	4003	4011	4005	3495	3054
55°	3076	3132	2750	2670	2672	2744
65°	1997	2014	1749	1438	1246	1969
75°	841	737	559	376	365	903
85°	75	54	55	60	60	124
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5705.6	5705.6	5705.6	5705.6	5705.6
2.5°	5677.8	5713.3	5692.4	5718.8	5739.0
5°	5663.3	5702.9	5675.8	5698.0	5703.6
7.5°	5638.3	5675.1	5650.0	5679.2	5675.1
10°	5598.0	5631.3	5613.9	5644.5	5646.6
12.5°	5546.6	5579.9	5563.9	5601.4	5600.7
15°	5490.3	5523.6	5506.9	5548.7	5551.4
17.5°	5424.3	5454.9	5442.3	5480.6	5465.3
20°	5347.8	5374.3	5368.0	5404.1	5393.0
22.5°	5254.1	5281.2	5275.0	5316.6	5299.9
25°	5152.0	5179.1	5171.4	5218.0	5202.7
27.5°	5041.5	5067.2	5066.5	5110.3	5086.7
30°	4913.7	4947.7	4949.8	4988.7	4960.9
32.5°	4787.3	4819.2	4828.2	4856.7	4833.1
35°	4645.5	4677.5	4687.9	4717.1	4691.4
37.5°	4492.7	4519.8	4538.5	4560.0	4539.9
40°	4330.8	4355.1	4369.1	4395.4	4369.1
42.5°	4150.2	4185.0	4204.4	4223.1	4180.1
45°	3963.3	4002.9	4011.2	4005.0	3495.1
47.5°	3765.3	3808.4	3813.3	3325.6	3231.8
50°	3547.2	3601.4	3600.7	3073.4	3048.4
52.5°	3320.0	3372.1	3370.1	2876.1	2859.4
55°	3075.5	3131.8	2750.3	2670.5	2671.9
57.5°	2826.1	2866.3	2467.6	2471.0	2425.2
60°	2555.2	2593.3	2228.6	2207.1	2127.9
62.5°	2283.5	2299.5	1997.3	1892.4	1741.6
65°	1997.3	2014.0	1748.6	1438.0	1245.6
67.5°	1703.5	1720.1	1451.2	1069.9	1055.2
70°	1407.5	1271.3	1101.1	891.3	898.2
72.5°	1115.7	976.8	719.7	690.5	498.8
75°	841.3	737.1	559.2	375.9	365.4
77.5°	585.7	507.8	299.4	256.4	239.7
80°	363.3	255.0	179.2	159.1	152.8
82.5°	184.1	146.6	97.3	97.3	97.3
85°	75.0	53.5	54.9	59.7	60.4
87.5°	16.0	21.5	26.4	27.1	26.4
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)