

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: P730405

Luminaire Tested: **HBLED-LD5-15HE-W-AI-UNV-L850**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730405
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23765)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15HE-W-AI-UNV-L850
Description: 15000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14335.0 lumens
Efficiency: N/A
Efficacy: 157.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.16 / 1.26
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

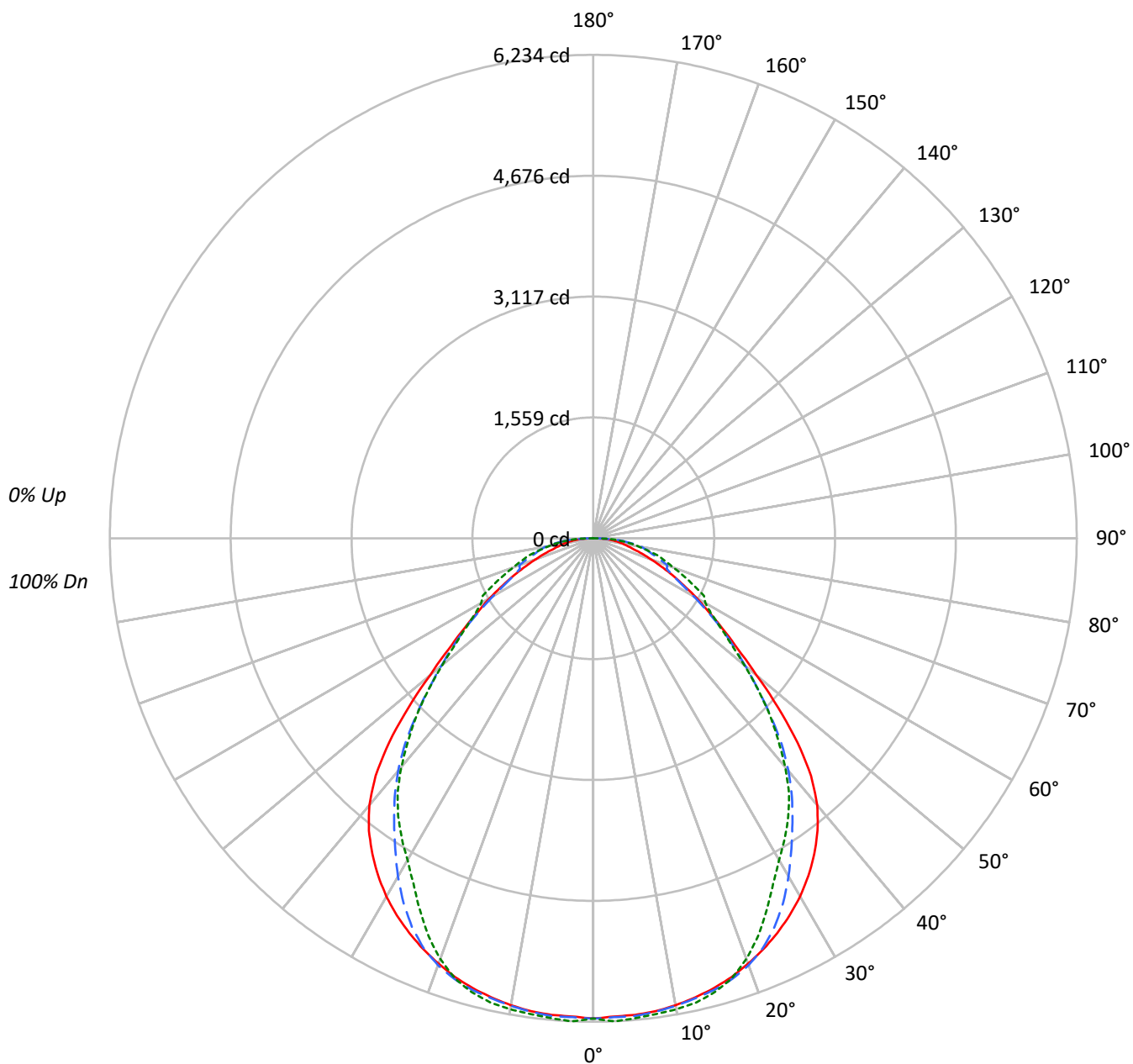
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	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	66	58	52	64	57	51	62	55	51	60	54	50	48		
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43		
7	68	55	47	41	66	54	47	41	53	46	41	52	45	40	50	44	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	36	46	41	36	34		
9	60	47	39	34	58	46	39	33	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	35	31	42	35	30	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9999	9999	9999
5°	9999	10020	10069
10°	10024	10036	10110
15°	10039	10077	10126
20°	10029	10066	9917
25°	10004	9854	9425
30°	9945	9389	8931
35°	9795	8825	8641
40°	9467	8251	8115
45°	8509	7368	7341
50°	6902	6417	6373
55°	5731	5624	5622
60°	4962	4817	5385
65°	4300	4274	5428
70°	3708	4794	5174
75°	3325	4913	5394
80°	3456	5783	5411
85°	3924	6665	6184



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	589.7	4.1
10°-20°	1703.0	11.9
20°-30°	2529.3	17.6
30°-40°	2871.5	20.0
40°-50°	2567.0	17.9
50°-60°	1774.8	12.4
60°-70°	1171.1	8.2
70°-80°	790.1	5.5
80°-90°	338.4	2.4
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°	4822.0	33.6
0°-40°	7693.5	53.7
0°-60°	12035.3	84.0
0°-90°	14335.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14335.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6193	6193	6193	6193	6193	
5°	6169	6207	6183	6208	6213	587
15°	6006	6035	6028	6062	6058	1695
25°	5615	5669	5531	5366	5291	2587
35°	4969	4865	4477	4412	4384	3099
45°	3727	3411	3227	3251	3215	2834
55°	2036	1858	1998	1970	1997	1849
65°	1126	999	1119	1308	1421	1123
75°	533	670	788	842	865	582
85°	212	295	360	362	334	221
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6193.2	6193.2	6193.2	6193.2	6193.2
2.5°	6172.1	6210.7	6181.9	6208.6	6234.5
5°	6169.3	6207.2	6182.6	6207.9	6212.8
7.5°	6151.8	6186.8	6158.1	6182.6	6188.2
10°	6113.9	6155.3	6121.6	6159.5	6166.5
12.5°	6064.8	6106.9	6077.4	6129.3	6132.2
15°	6005.9	6034.7	6028.4	6062.0	6057.8
17.5°	5931.6	5964.6	5959.6	5968.0	5948.4
20°	5836.9	5874.0	5858.6	5820.1	5771.7
22.5°	5735.2	5780.1	5719.1	5621.6	5553.6
25°	5615.3	5668.6	5531.2	5366.4	5290.6
27.5°	5482.7	5530.4	5301.8	5099.9	5021.3
30°	5334.1	5354.4	5036.0	4843.8	4790.5
32.5°	5162.2	5132.8	4752.0	4625.0	4594.2
35°	4969.4	4864.9	4477.1	4411.9	4383.8
37.5°	4752.0	4560.6	4205.7	4175.5	4146.0
40°	4491.8	4209.2	3914.7	3895.0	3850.1
42.5°	4155.9	3827.0	3591.3	3568.2	3528.2
45°	3726.7	3411.1	3226.7	3251.2	3214.8
47.5°	3233.0	2993.9	2876.7	2944.1	2876.7
50°	2747.7	2587.1	2554.8	2615.9	2537.3
52.5°	2350.0	2205.6	2272.2	2282.7	2235.8
55°	2035.8	1858.4	1998.0	1969.9	1997.3
57.5°	1762.4	1563.9	1735.7	1703.4	1797.4
60°	1536.5	1313.5	1491.7	1484.6	1667.7
62.5°	1315.0	1136.8	1279.9	1383.0	1608.1
65°	1125.6	999.3	1118.6	1307.9	1420.8
67.5°	943.9	896.2	1023.2	1128.4	1251.8
70°	785.4	810.0	1015.5	995.8	1096.1
72.5°	652.2	735.7	896.2	899.8	970.6
75°	533.0	670.5	787.6	841.6	864.7
77.5°	443.2	608.0	711.1	730.1	707.6
80°	371.7	535.8	622.0	613.6	582.0
82.5°	300.1	406.1	490.2	497.9	460.7
85°	211.8	294.6	359.8	361.9	333.8
87.5°	113.6	181.7	218.1	224.4	207.6
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)