

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: P730401

Luminaire Tested: **HBLED-LD5-15HE-W-AI-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730401
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-L740
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: 14729.0 lumens
Efficiency: N/A
Efficacy: 161.5 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

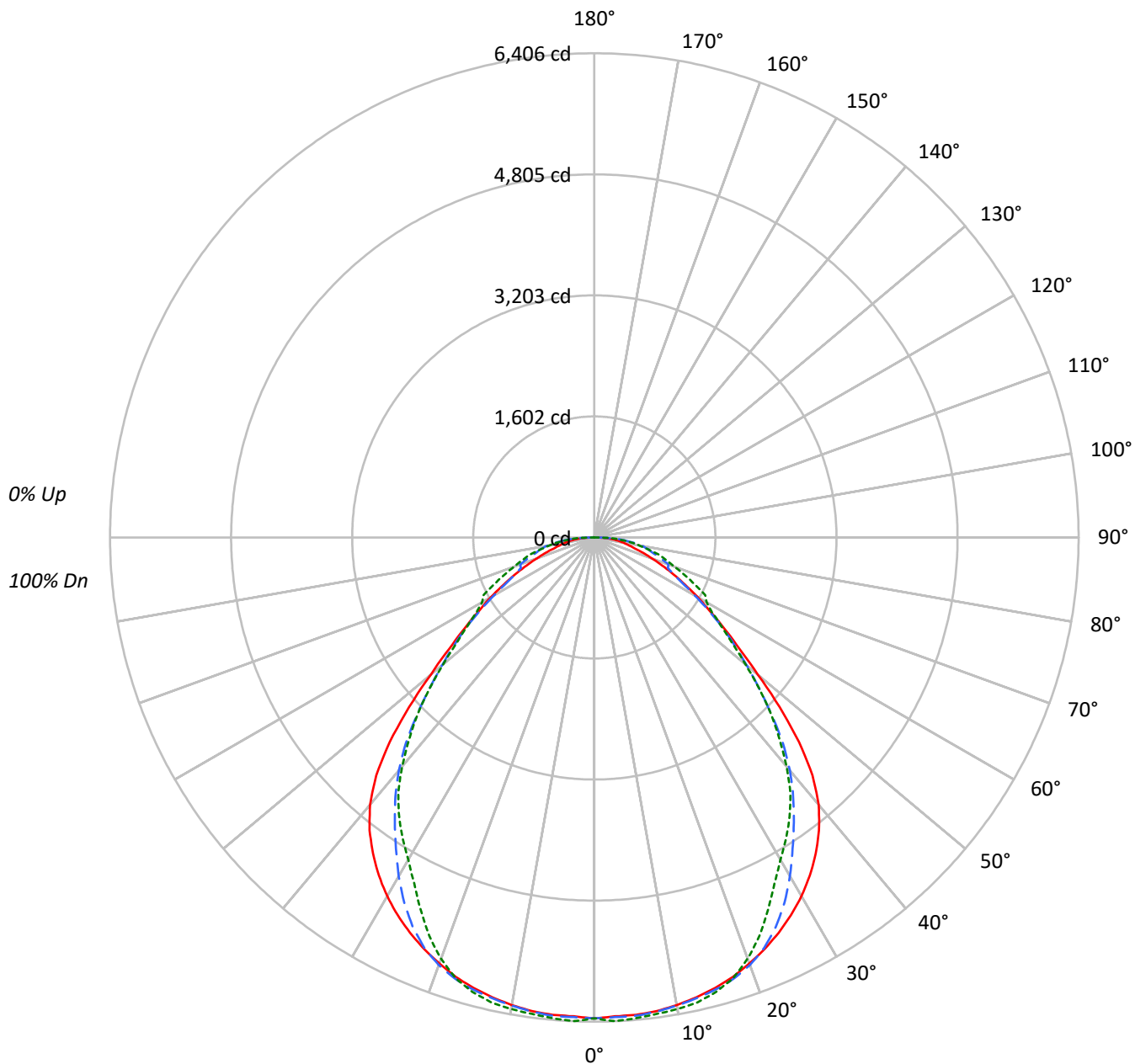
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	10274	10274	10274
5°	10274	10296	10346
10°	10299	10312	10388
15°	10315	10354	10404
20°	10305	10343	10189
25°	10279	10125	9684
30°	10218	9647	9177
35°	10064	9067	8878
40°	9728	8478	8338
45°	8743	7570	7542
50°	7091	6594	6548
55°	5888	5779	5777
60°	5098	4949	5533
65°	4418	4391	5577
70°	3810	4926	5316
75°	3416	5048	5543
80°	3551	5942	5560
85°	4031	6849	6354



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	605.9	4.1
10°-20°	1749.8	11.9
20°-30°	2598.8	17.6
30°-40°	2950.4	20.0
40°-50°	2637.6	17.9
50°-60°	1823.6	12.4
60°-70°	1203.3	8.2
70°-80°	811.8	5.5
80°-90°	347.7	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°	4954.5	33.6
0°-40°	7905.0	53.7
0°-60°	12366.1	84.0
0°-90°	14729.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14729.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6363	6363	6363	6363	6363	
5°	6339	6378	6353	6378	6384	603
15°	6171	6200	6194	6229	6224	1742
25°	5770	5824	5683	5514	5436	2658
35°	5106	4999	4600	4533	4504	3184
45°	3829	3505	3315	3341	3303	2912
55°	2092	1910	2053	2024	2052	1900
65°	1156	1027	1149	1344	1460	1154
75°	548	689	809	865	888	598
85°	218	303	370	372	343	227
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6363.4	6363.4	6363.4	6363.4	6363.4
2.5°	6341.8	6381.4	6351.9	6379.3	6405.9
5°	6338.9	6377.8	6352.6	6378.5	6383.6
7.5°	6320.9	6356.9	6327.3	6352.6	6358.3
10°	6281.9	6324.5	6289.9	6328.8	6336.0
12.5°	6231.5	6274.8	6244.5	6297.8	6300.7
15°	6171.0	6200.5	6194.1	6228.6	6224.3
17.5°	6094.6	6128.5	6123.4	6132.1	6111.9
20°	5997.3	6035.5	6019.6	5980.0	5930.3
22.5°	5892.8	5938.9	5876.3	5776.1	5706.2
25°	5769.6	5824.4	5683.2	5513.8	5436.0
27.5°	5633.4	5682.4	5447.5	5240.0	5159.3
30°	5480.7	5501.5	5174.4	4977.0	4922.2
32.5°	5304.1	5273.9	4882.6	4752.2	4720.5
35°	5106.0	4998.6	4600.1	4533.1	4504.3
37.5°	4882.6	4685.9	4321.3	4290.3	4260.0
40°	4615.3	4324.9	4022.2	4002.1	3955.9
42.5°	4270.1	3932.2	3690.0	3666.3	3625.2
45°	3829.1	3504.8	3315.3	3340.6	3303.1
47.5°	3321.8	3076.1	2955.8	3025.0	2955.8
50°	2823.2	2658.2	2625.1	2687.8	2607.0
52.5°	2414.6	2266.2	2334.7	2345.5	2297.2
55°	2091.8	1909.5	2052.9	2024.1	2052.2
57.5°	1810.8	1606.9	1783.4	1750.3	1846.8
60°	1578.8	1349.6	1532.7	1525.5	1713.5
62.5°	1351.1	1168.1	1315.0	1421.0	1652.2
65°	1156.5	1026.8	1149.3	1343.9	1459.9
67.5°	969.9	920.9	1051.3	1159.4	1286.2
70°	807.0	832.2	1043.4	1023.2	1126.2
72.5°	670.1	755.9	920.9	924.5	997.3
75°	547.6	688.9	809.2	864.7	888.5
77.5°	455.4	624.7	730.7	750.1	727.1
80°	381.9	550.5	639.1	630.5	598.0
82.5°	308.4	417.2	503.7	511.6	473.4
85°	217.6	302.7	369.7	371.8	343.0
87.5°	116.7	186.6	224.1	230.6	213.3
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)