

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: P730421

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730421
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23766)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15HE-W-CLI-UNV-L835
Description: 15000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14393.0 lumens
Efficiency: N/A
Efficacy: 157.8 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

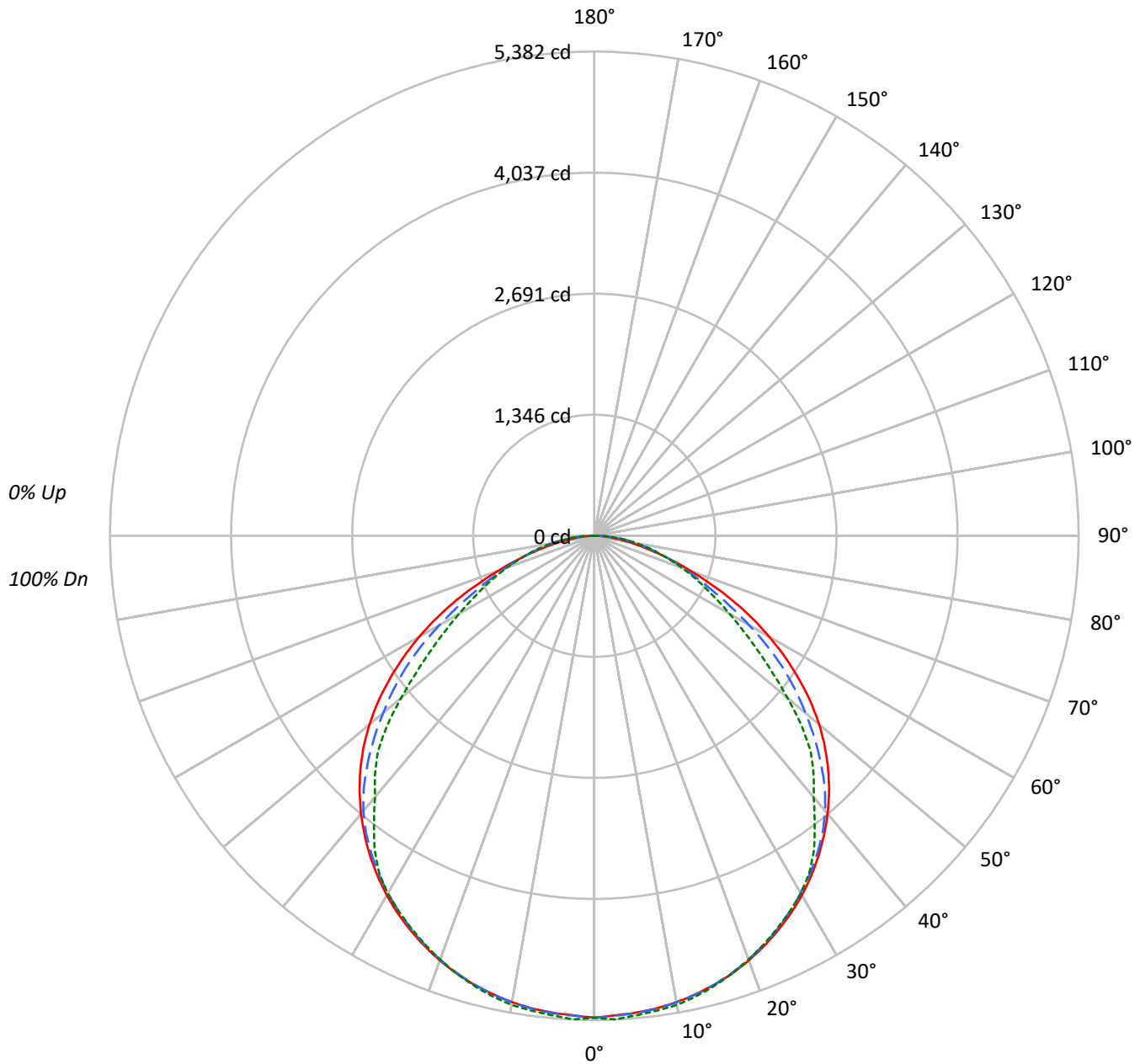
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	99	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61		
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8650	8650	8650
5°	8626	8633	8671
10°	8631	8635	8681
15°	8632	8631	8652
20°	8630	8610	8612
25°	8617	8585	8575
30°	8603	8551	8556
35°	8563	8510	8389
40°	8502	8415	7991
45°	8394	8125	7770
50°	8192	7693	7037
55°	7819	7194	6222
60°	7256	6419	5611
65°	6450	5558	5160
70°	5352	4967	4864
75°	4329	4546	4602
80°	3438	4348	4329
85°	2692	4670	4455



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	508.0	3.5
10°-20°	1461.3	10.2
20°-30°	2228.3	15.5
30°-40°	2695.9	18.7
40°-50°	2730.7	19.0
50°-60°	2257.0	15.7
60°-70°	1490.7	10.4
70°-80°	777.3	5.4
80°-90°	243.7	1.7
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°	4197.7	29.2
0°-40°	6893.6	47.9
0°-60°	11881.3	82.5
0°-90°	14393.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14393.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5357	5357	5357	5357	5357	
5°	5322	5355	5326	5349	5350	506
15°	5164	5191	5164	5180	5176	1458
25°	4837	4856	4819	4831	4813	2230
35°	4344	4350	4317	4311	4256	2717
45°	3676	3666	3558	3448	3403	2831
55°	2778	2736	2556	2308	2210	2476
65°	1688	1639	1455	1360	1351	1667
75°	694	706	729	738	738	756
85°	145	187	252	250	240	176
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5357.1	5357.1	5357.1	5357.1	5357.1
2.5°	5334.7	5366.2	5339.8	5362.9	5381.6
5°	5322.4	5354.6	5326.3	5349.4	5350.1
7.5°	5298.7	5330.8	5301.8	5325.0	5324.3
10°	5264.5	5294.8	5267.1	5294.8	5294.8
12.5°	5218.3	5247.8	5220.8	5246.5	5242.7
15°	5164.3	5190.6	5163.6	5179.7	5175.8
17.5°	5100.6	5124.4	5094.1	5107.6	5099.9
20°	5022.7	5044.6	5011.2	5028.5	5012.4
22.5°	4935.2	4955.8	4921.8	4934.7	4916.6
25°	4836.9	4856.2	4818.9	4831.1	4813.1
27.5°	4730.8	4748.1	4706.3	4721.1	4706.9
30°	4614.3	4622.7	4586.7	4606.0	4589.3
32.5°	4484.4	4489.6	4458.1	4475.4	4447.1
35°	4344.2	4350.0	4317.3	4311.4	4256.1
37.5°	4194.4	4197.0	4166.1	4114.0	4022.7
40°	4033.7	4032.4	3992.5	3872.2	3791.2
42.5°	3861.9	3861.3	3791.2	3654.2	3607.9
45°	3676.0	3666.4	3558.3	3447.7	3402.7
47.5°	3476.7	3466.4	3315.3	3227.2	3124.9
50°	3261.3	3243.2	3062.5	2942.2	2801.4
52.5°	3029.1	3001.4	2817.5	2623.3	2490.1
55°	2777.6	2736.4	2555.8	2307.5	2210.4
57.5°	2515.9	2454.8	2279.2	2037.4	1958.3
60°	2247.1	2178.9	1987.9	1789.2	1737.7
62.5°	1970.5	1903.0	1708.1	1558.3	1530.0
65°	1688.2	1639.3	1454.7	1360.2	1350.6
67.5°	1398.8	1381.4	1240.6	1192.4	1188.5
70°	1133.8	1130.6	1052.1	1027.7	1030.3
72.5°	906.2	902.3	890.7	878.5	879.1
75°	693.9	706.1	728.7	738.3	737.7
77.5°	517.7	542.8	590.4	609.7	606.4
80°	369.8	407.1	467.6	485.6	465.6
82.5°	246.3	285.5	356.9	359.5	343.4
85°	145.3	187.1	252.1	250.2	240.5
87.5°	72.0	112.5	151.1	144.7	138.3
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)