

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: P730371

Luminaire Tested: **HBLED-LD5-15HE-N-CL-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730371
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23768)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15HE-N-CL-UNV-L740
Description: 15000 LUMEN, HE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15063.0 lumens
Efficiency: N/A
Efficacy: 165.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.63 / 0.78
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

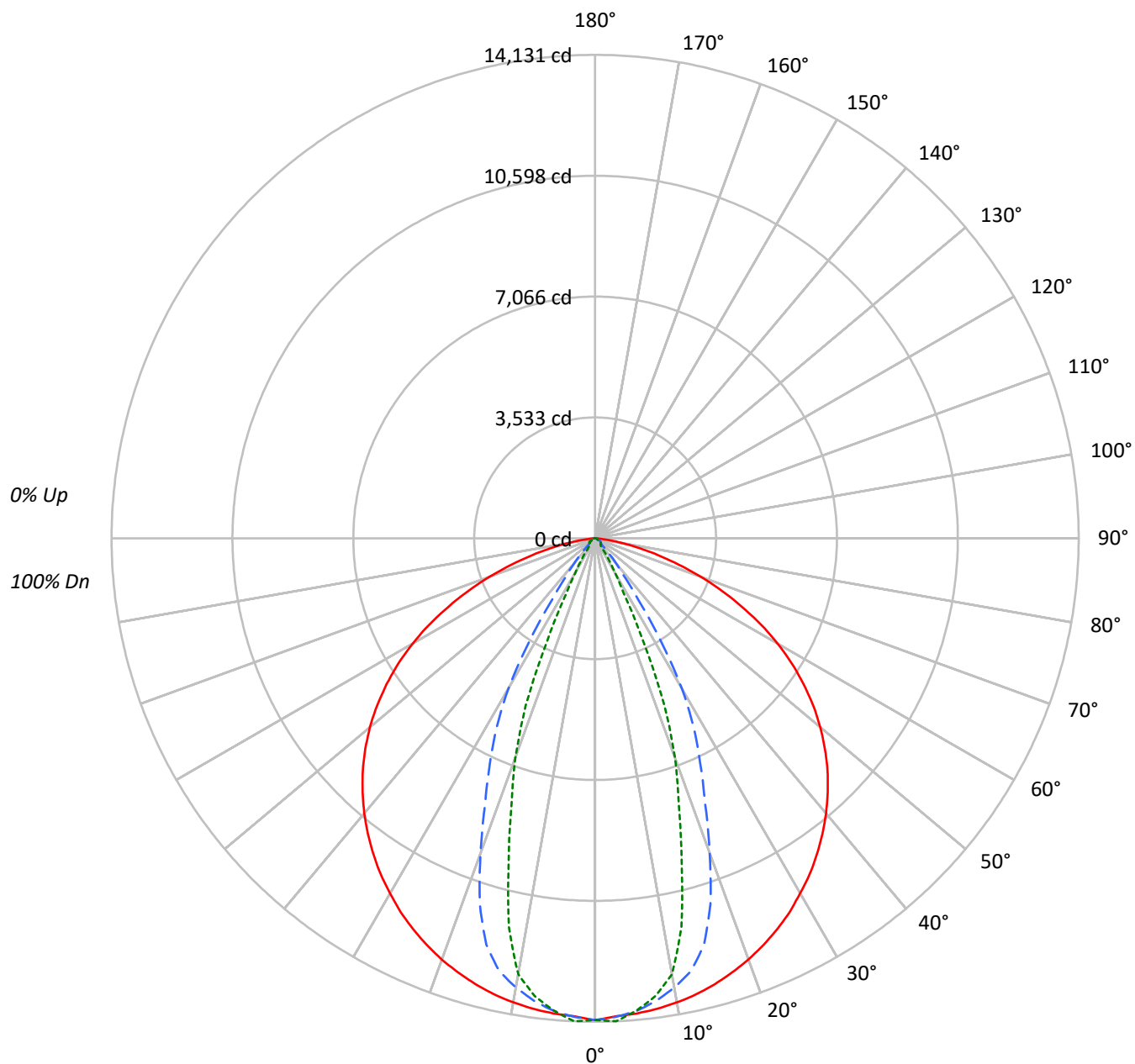
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	109	105	103	109	106	104	101		102	100	98		98	97	95		95	94	92
2	105	99	94	90	102	97	92	89		94	90	87		91	87	85		88	85	83
3	98	90	84	79	96	89	83	79		86	81	77		83	79	76		81	78	75
4	92	83	76	71	90	82	75	71		79	74	70		77	73	69		75	71	68
5	86	76	69	64	85	75	69	64		73	68	63		72	67	63		70	66	62
6	81	71	64	59	80	70	63	58		68	62	58		67	62	58		65	61	57
7	77	66	59	54	75	65	58	54		64	58	53		62	57	53		61	56	53
8	72	61	55	50	71	61	54	50		60	54	49		59	53	49		58	53	49
9	69	58	51	46	67	57	51	46		56	50	46		55	50	46		54	49	46
10	65	54	48	43	64	54	47	43		53	47	43		52	47	43		51	46	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22740	22740	22740
5°	22601	22483	22466
10°	22585	21861	21216
15°	22559	20557	16313
20°	22516	16823	11701
25°	22445	12962	5946
30°	22339	9460	2163
35°	22259	4344	753
40°	22122	1972	520
45°	21925	736	527
50°	21576	534	554
55°	20937	562	422
60°	19896	600	372
65°	18043	457	303
70°	15470	330	279
75°	11825	293	266
80°	7398	275	288
85°	2336	320	387



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1311.2	8.7
10°-20°	3303.1	21.9
20°-30°	3597.2	23.9
30°-40°	2690.9	17.9
40°-50°	1934.8	12.8
50°-60°	1188.3	7.9
60°-70°	683.8	4.5
70°-80°	305.2	2.0
80°-90°	48.4	0.3
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°	8211.6	54.5
0°-40°	10902.5	72.4
0°-60°	14025.6	93.1
0°-90°	15063.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15063.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14084	14084	14084	14084	14084	
5°	13944	14010	13872	13885	13862	###
15°	13496	13238	12298	10562	9759	3810
25°	12599	11695	7276	4668	3338	5808
35°	11293	8100	2204	648	382	7064
45°	9602	4551	322	239	231	7397
55°	7438	946	200	193	150	6631
65°	4723	104	120	99	79	4675
75°	1896	63	47	48	43	2057
85°	126	12	17	22	21	251
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	14084.3	14084.3	14084.3	14084.3	14084.3
2.5°	13986.3	14077.8	14000.7	14069.9	14131.1
5°	13944.5	14010.1	13871.7	13884.6	13861.6
7.5°	13872.4	13888.2	13638.2	13541.6	13494.7
10°	13775.8	13733.3	13334.0	13104.2	12940.5
12.5°	13654.0	13513.5	12955.6	12134.7	11645.4
15°	13496.2	13237.5	12298.4	10562.2	9759.2
17.5°	13308.1	12949.2	11210.0	8802.8	8108.1
20°	13104.2	12630.6	9790.9	7484.7	6810.1
22.5°	12863.4	12223.4	8391.3	6224.8	5298.8
25°	12598.9	11695.1	7275.7	4668.1	3337.7
27.5°	12313.5	10998.2	6242.8	2862.7	1804.7
30°	11982.0	10149.9	5073.9	1606.5	1160.4
32.5°	11658.3	9161.1	3624.5	1070.2	741.6
35°	11292.9	8099.5	2204.0	647.9	382.0
37.5°	10905.9	7134.4	1379.5	352.4	263.8
40°	10495.8	6219.1	935.5	250.1	246.5
42.5°	10057.6	5391.0	585.9	237.8	245.7
45°	9602.2	4550.6	322.2	238.6	230.7
47.5°	9107.8	3638.2	224.9	225.6	224.9
50°	8589.6	2609.7	212.6	222.7	220.6
52.5°	8031.0	1620.2	213.3	217.6	195.3
55°	7437.8	945.6	199.6	193.2	149.9
57.5°	6814.4	589.5	195.3	159.3	134.8
60°	6161.4	311.4	185.9	143.5	115.3
62.5°	5465.9	153.5	149.2	122.5	94.4
65°	4722.8	103.8	119.7	99.4	79.3
67.5°	4005.0	93.7	90.1	81.4	69.2
70°	3277.1	85.7	69.9	71.3	59.1
72.5°	2562.9	77.8	56.2	61.3	49.7
75°	1895.5	62.7	46.9	48.3	42.6
77.5°	1318.9	49.0	36.8	41.1	39.6
80°	795.7	31.0	29.6	33.9	31.0
82.5°	385.6	20.2	23.1	26.6	24.5
85°	126.1	12.2	17.3	22.3	20.9
87.5°	15.9	7.2	14.4	19.5	18.0
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)