

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: P730383

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730383
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23769)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15HE-N-CLI-UNV-L740
Description: 15000 LUMEN, HE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14879.0 lumens
Efficiency: N/A
Efficacy: 163.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 0.64 / 0.78
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

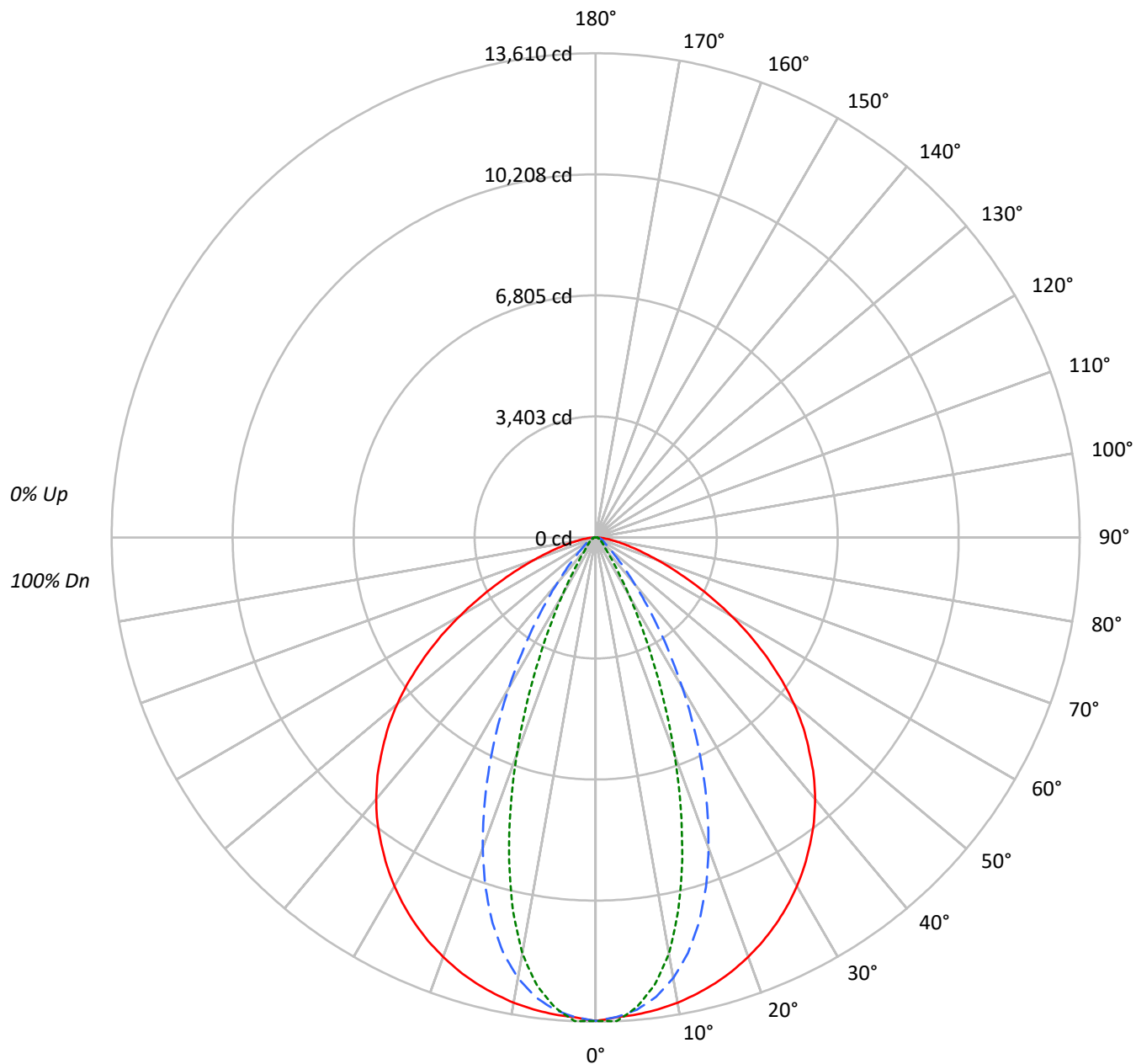
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	101		102	100	98		98	96	95		95	93	92
2	105	98	93	89	102	97	92	88		93	89	86		90	87	84		87	85	82
3	98	90	84	79	96	88	83	78		86	81	77		83	79	75		81	77	74
4	92	82	75	70	90	81	75	70		79	73	69		77	72	68		75	71	67
5	86	76	69	63	84	75	68	63		73	67	62		71	66	62		69	65	61
6	81	70	63	58	79	69	62	57		68	62	57		66	61	57		65	60	56
7	76	65	58	53	75	64	58	53		63	57	52		62	56	52		60	56	52
8	72	61	54	49	70	60	53	49		59	53	48		58	52	48		57	52	48
9	68	57	50	45	67	56	50	45		55	49	45		54	49	45		53	48	45
10	64	53	47	42	63	53	46	42		52	46	42		51	46	42		50	45	42

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21944	21944	21944
5°	21812	21595	21481
10°	21775	20617	19455
15°	21687	18740	15712
20°	21557	15946	11136
25°	21364	12574	6728
30°	21105	9075	3458
35°	20724	5933	1727
40°	20233	3564	1008
45°	19392	2128	754
50°	18290	1392	633
55°	16554	1056	552
60°	14225	899	504
65°	11443	821	476
70°	8621	879	473
75°	6341	835	487
80°	4639	832	533
85°	3475	1008	689



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1251.6	8.4
10°-20°	3113.8	20.9
20°-30°	3449.0	23.2
30°-40°	2763.3	18.6
40°-50°	1972.6	13.3
50°-60°	1267.1	8.5
60°-70°	686.7	4.6
70°-80°	293.5	2.0
80°-90°	81.4	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°	7814.5	52.5
0°-40°	10577.8	71.1
0°-60°	13817.5	92.9
0°-90°	14879.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14879.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13591	13591	13591	13591	13591	
5°	13458	13508	13324	13282	13254	###
15°	12974	12569	11211	9908	9400	3661
25°	11992	10574	7058	4599	3777	5525
35°	10514	7605	3010	1214	876	6574
45°	8493	4390	932	397	330	6546
55°	5881	1963	375	230	196	5241
65°	2995	806	215	148	124	2999
75°	1016	295	134	93	78	1129
85°	188	78	54	45	37	229
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13590.9	13590.9	13590.9	13590.9	13590.9
2.5°	13501.4	13585.9	13494.9	13551.5	13609.5
5°	13457.7	13507.9	13323.9	13281.6	13253.8
7.5°	13381.8	13367.5	13021.8	12797.7	12689.6
10°	13281.6	13165.7	12575.1	12082.6	11866.5
12.5°	13138.5	12899.4	11970.2	11105.5	10739.0
15°	12974.5	12568.7	11211.4	9907.9	9399.7
17.5°	12778.4	12182.1	10304.5	8623.7	7953.0
20°	12546.5	11715.4	9280.8	7259.3	6481.2
22.5°	12287.4	11177.1	8184.9	5899.2	5064.6
25°	11992.4	10574.3	7058.2	4598.6	3776.7
27.5°	11673.9	9905.1	5937.9	3436.0	2686.5
30°	11320.2	9180.6	4867.7	2477.5	1854.8
32.5°	10934.4	8410.4	3873.4	1742.3	1268.5
35°	10514.2	7605.1	3010.1	1214.0	876.2
37.5°	10084.0	6783.3	2273.5	858.3	628.5
40°	9599.4	5964.3	1690.8	628.5	478.1
42.5°	9079.0	5161.2	1251.3	483.9	387.3
45°	8492.7	4390.2	932.0	396.6	330.0
47.5°	7924.3	3671.6	708.0	337.9	287.0
50°	7281.5	3023.0	554.0	294.9	251.9
52.5°	6599.3	2452.5	449.5	259.9	221.9
55°	5880.6	1962.8	375.1	230.5	196.2
57.5°	5152.6	1554.8	320.7	205.4	174.7
60°	4405.3	1243.4	278.5	184.0	156.0
62.5°	3675.8	994.3	243.4	165.4	139.6
65°	2995.1	806.0	214.8	148.2	124.5
67.5°	2365.8	637.1	200.4	133.1	112.4
70°	1826.1	496.1	186.1	118.8	100.2
72.5°	1383.7	380.9	164.7	105.9	88.8
75°	1016.5	294.9	133.9	93.1	78.0
77.5°	727.3	226.9	108.8	80.9	67.3
80°	498.9	169.0	89.5	69.4	57.3
82.5°	324.3	119.6	72.3	57.3	47.2
85°	187.6	78.0	54.4	45.1	37.2
87.5°	80.9	42.9	37.2	33.7	28.6
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)