

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: P730246

Luminaire Tested: **HBLED-LD5-12HE-N-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730246
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23767)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12HE-N-UNV-L750
Description: 12000 LUMEN, HE HBLED WITH NARROW DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12885.0 lumens
Efficiency: N/A
Efficacy: 177.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.62 / 0.77
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

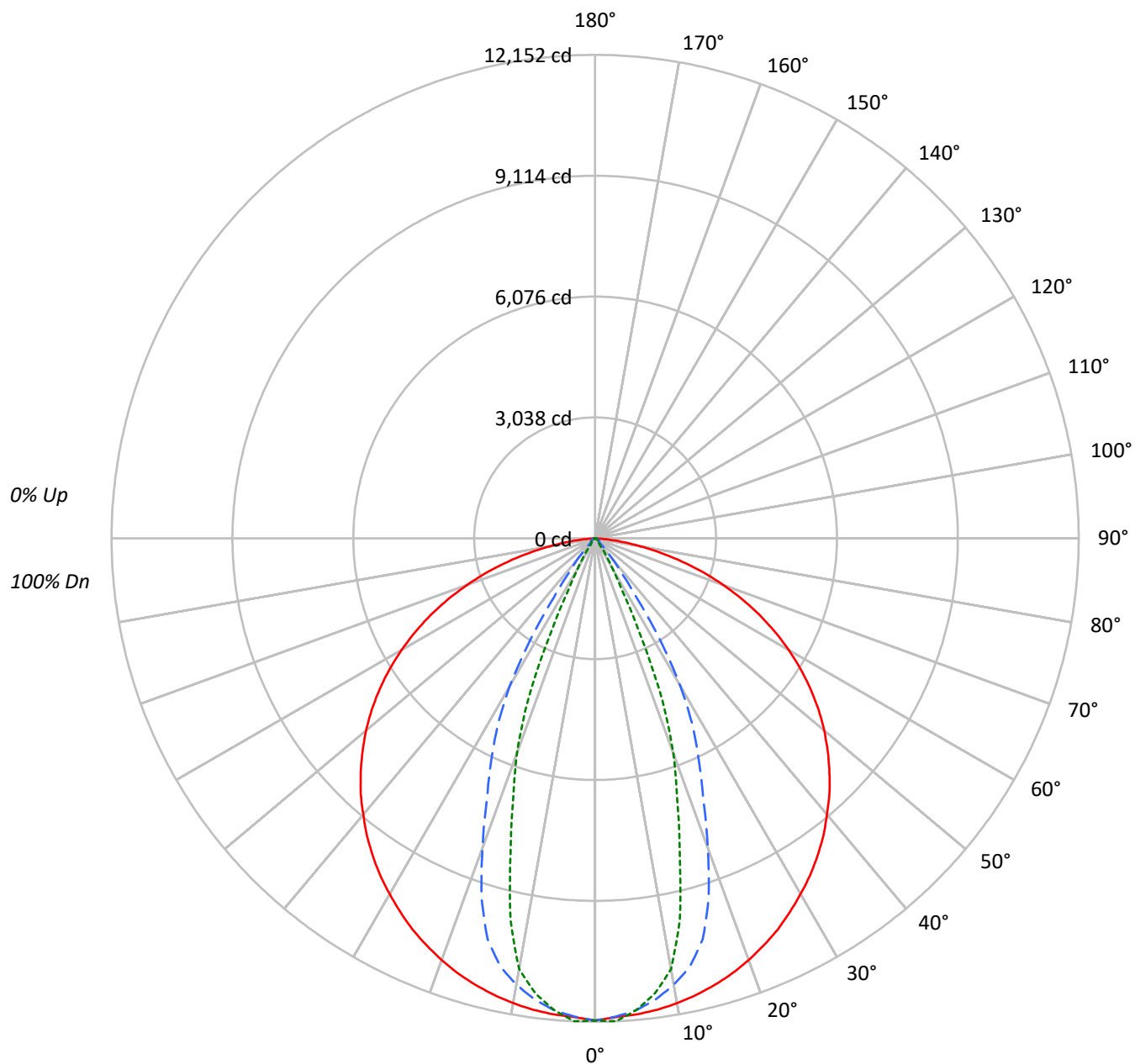
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	76	81	77	74
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62
6	81	70	63	58	79	70	63	58	68	62	58	66	61	57	65	60	57
7	76	66	58	54	75	65	58	53	63	57	53	62	57	53	61	56	52
8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49
9	68	57	51	46	67	57	50	46	56	50	46	55	49	46	54	49	45
10	65	54	47	43	64	53	47	43	53	47	43	52	46	43	51	46	42

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19573	19573	19573
5°	19469	19297	19288
10°	19456	18678	18023
15°	19429	17450	13716
20°	19384	14225	9873
25°	19334	10999	4864
30°	19249	7994	1577
35°	19204	3547	406
40°	19103	1440	273
45°	19018	404	291
50°	18869	287	323
55°	18598	341	138
60°	18138	380	84
65°	17392	242	99
70°	16158	215	123
75°	14135	162	169
80°	10568	198	242
85°	5235	256	320



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1125.0	8.7
10°-20°	2813.1	21.8
20°-30°	3047.0	23.6
30°-40°	2256.4	17.5
40°-50°	1625.2	12.6
50°-60°	1006.3	7.8
60°-70°	618.9	4.8
70°-80°	326.3	2.5
80°-90°	66.8	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°	6985.1	54.2
0°-40°	9241.6	71.7
0°-60°	11873.1	92.1
0°-90°	12885.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12885.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12123	12123	12123	12123	12123	
5°	12012	12056	11906	11915	11901	###
15°	11623	11354	10439	8878	8206	3281
25°	10853	9941	6174	3884	2730	5001
35°	9743	6868	1799	423	206	6095
45°	8329	3870	177	128	127	6423
55°	6607	797	121	110	49	5898
65°	4552	84	63	40	26	4492
75°	2266	20	26	34	27	2393
85°	283	8	14	21	17	427
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12122.8	12122.8	12122.8	12122.8	12122.8
2.5°	12044.9	12121.7	12031.1	12098.6	12152.2
5°	12012.1	12056.5	11906.0	11914.6	11900.8
7.5°	11954.4	11944.0	11690.9	11580.1	11531.7
10°	11867.3	11798.7	11392.7	11161.5	10993.1
12.5°	11754.9	11601.5	11020.7	10285.4	9828.7
15°	11623.4	11353.5	10439.4	8877.7	8205.8
17.5°	11466.5	11084.2	9489.0	7440.6	6840.8
20°	11281.4	10783.7	8279.1	6330.4	5746.3
22.5°	11074.9	10418.1	7103.8	5261.2	4427.9
25°	10852.9	9941.2	6174.1	3884.1	2730.1
27.5°	10596.3	9328.1	5302.2	2287.8	1393.3
30°	10324.7	8589.9	4287.7	1230.7	846.0
32.5°	10050.7	7753.1	3034.0	768.7	479.8
35°	9742.8	6868.5	1799.3	423.3	205.9
37.5°	9421.5	6057.7	1063.4	192.6	132.1
40°	9063.4	5316.6	683.4	128.0	129.7
42.5°	8717.4	4625.7	384.7	126.3	128.6
45°	8328.7	3869.6	177.0	128.0	127.4
47.5°	7926.7	3085.9	114.7	129.2	129.2
50°	7512.1	2206.5	114.2	132.1	128.6
52.5°	7074.4	1376.6	118.8	131.5	105.5
55°	6606.7	797.0	121.1	109.6	49.0
57.5°	6122.2	470.0	122.3	62.9	27.7
60°	5617.0	260.1	117.6	46.7	26.0
62.5°	5096.3	124.0	92.8	43.9	25.4
65°	4552.4	84.2	63.4	40.3	26.0
67.5°	3987.9	65.1	50.2	38.1	26.5
70°	3422.7	48.4	45.6	38.1	26.0
72.5°	2848.3	32.9	38.1	38.6	26.0
75°	2265.8	19.6	26.0	34.0	27.1
77.5°	1688.6	12.1	20.2	35.2	32.9
80°	1136.6	10.4	21.3	32.9	26.0
82.5°	667.3	9.3	20.8	25.4	20.8
85°	282.6	7.5	13.8	20.8	17.3
87.5°	53.1	6.4	11.0	16.7	15.0
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)