

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: P730238

Luminaire Tested: **HBLED-LD5-12HE-N-CLI-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730238
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-LD5-12HE-N-CLI-UNV-L735
Description: 12000 LUMEN, HE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11299.0 lumens
Efficiency: N/A
Efficacy: 155.4 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

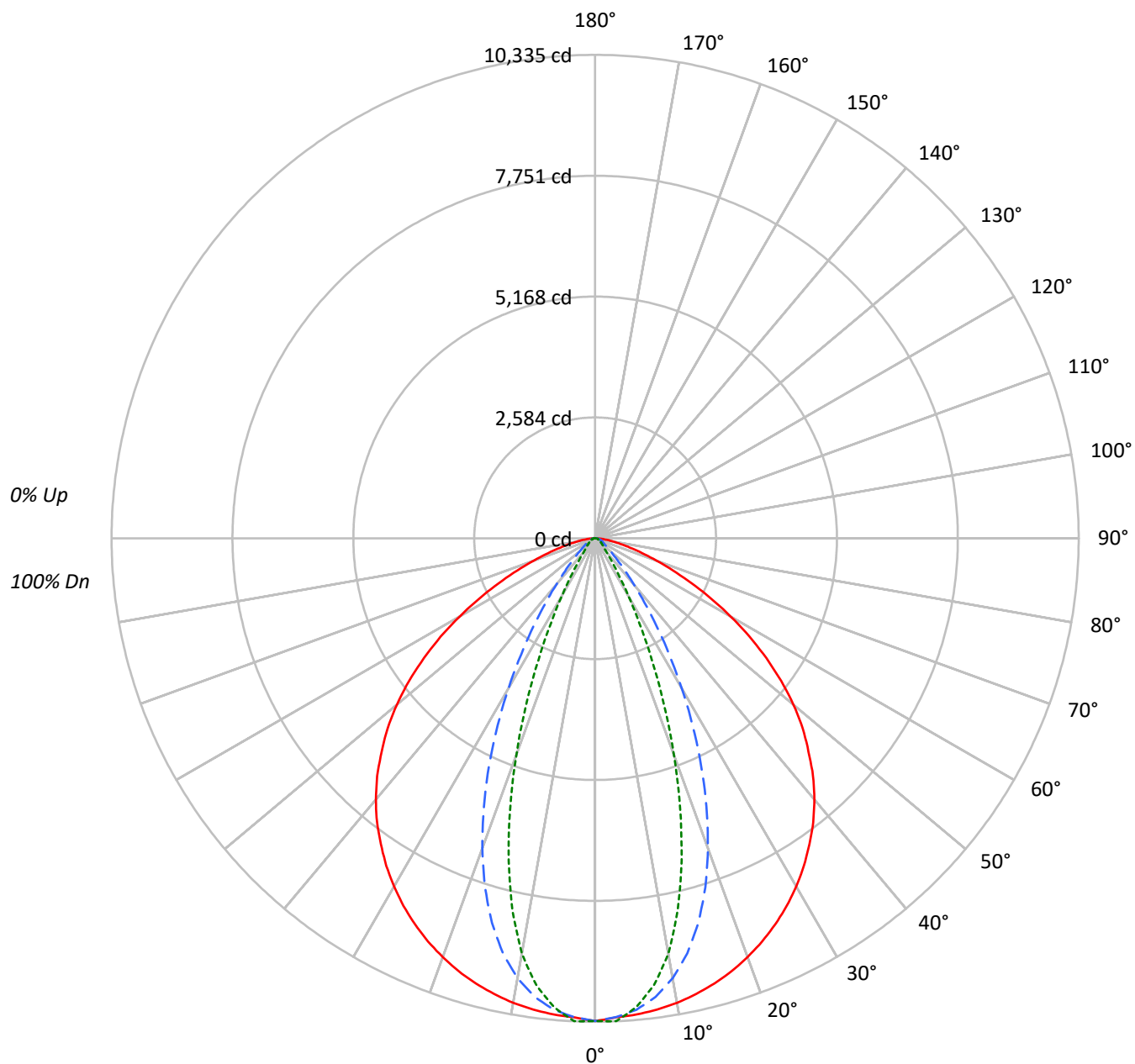
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	108	105	102	109	106	103	101	102	100	98		98	96	95		95
2	105	98	93	89	102	97	92	88	93	89	86		90	87	84		87
3	98	90	84	79	96	88	83	78	86	81	77		83	79	75		81
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	63	84	75	68	63	73	67	62		71	66	62		69
6	81	70	63	58	79	69	62	57	68	62	57		66	61	57		65
7	76	65	58	53	75	64	58	53	63	57	52		62	56	52		60
8	72	61	54	49	70	60	53	49	59	53	48		58	52	48		57
9	68	57	50	45	67	56	50	45	55	49	45		54	49	45		53
10	64	53	47	42	63	53	46	42	52	46	42		51	46	42		50

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16664	16664	16664
5°	16564	16399	16313
10°	16536	15656	14774
15°	16469	14231	11931
20°	16371	12110	8457
25°	16224	9549	5109
30°	16027	6892	2626
35°	15738	4505	1312
40°	15364	2706	765
45°	14726	1616	572
50°	13889	1057	481
55°	12571	802	419
60°	10803	683	383
65°	8689	623	361
70°	6546	668	359
75°	4815	634	369
80°	3523	631	404
85°	2638	765	522



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	950.5	8.4
10°-20°	2364.6	20.9
20°-30°	2619.2	23.2
30°-40°	2098.4	18.6
40°-50°	1498.0	13.3
50°-60°	962.2	8.5
60°-70°	521.4	4.6
70°-80°	222.9	2.0
80°-90°	61.8	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°	5934.3	52.5
0°-40°	8032.7	71.1
0°-60°	10492.9	92.9
0°-90°	11299.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11299.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10321	10321	10321	10321	10321	
5°	10220	10258	10118	10086	10065	971
15°	9853	9545	8514	7524	7138	2780
25°	9107	8030	5360	3492	2868	4195
35°	7984	5775	2286	922	665	4992
45°	6449	3334	708	301	251	4971
55°	4466	1490	285	175	149	3980
65°	2274	612	163	112	95	2278
75°	772	224	102	71	59	858
85°	142	59	41	34	28	174
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10320.8	10320.8	10320.8	10320.8	10320.8
2.5°	10252.9	10317.0	10247.9	10290.9	10334.9
5°	10219.7	10257.8	10118.0	10086.0	10064.8
7.5°	10162.1	10151.2	9888.7	9718.5	9636.4
10°	10086.0	9997.9	9549.4	9175.5	9011.3
12.5°	9977.3	9795.7	9090.1	8433.4	8155.1
15°	9852.8	9544.6	8513.9	7524.0	7138.0
17.5°	9703.8	9251.0	7825.1	6548.8	6039.4
20°	9527.7	8896.6	7047.8	5512.7	4921.8
22.5°	9330.9	8487.8	6215.5	4479.8	3846.0
25°	9107.0	8030.1	5359.9	3492.1	2868.0
27.5°	8865.1	7521.8	4509.2	2609.3	2040.1
30°	8596.5	6971.7	3696.5	1881.4	1408.5
32.5°	8303.5	6386.8	2941.5	1323.1	963.3
35°	7984.4	5775.2	2285.8	921.9	665.4
37.5°	7657.7	5151.2	1726.5	651.8	477.3
40°	7289.7	4529.3	1284.0	477.3	363.1
42.5°	6894.5	3919.4	950.2	367.4	294.1
45°	6449.3	3333.9	707.8	301.2	250.6
47.5°	6017.7	2788.2	537.6	256.6	218.0
50°	5529.5	2295.7	420.7	224.0	191.3
52.5°	5011.5	1862.4	341.4	197.3	168.5
55°	4465.7	1490.5	284.8	175.0	149.0
57.5°	3912.8	1180.7	243.5	156.0	132.7
60°	3345.3	944.2	211.5	139.7	118.5
62.5°	2791.4	755.1	184.8	125.6	106.0
65°	2274.4	612.1	163.1	112.5	94.6
67.5°	1796.6	483.8	152.2	101.1	85.4
70°	1386.7	376.7	141.4	90.2	76.1
72.5°	1050.8	289.2	125.1	80.5	67.4
75°	771.9	224.0	101.7	70.7	59.2
77.5°	552.3	172.3	82.6	61.4	51.1
80°	378.9	128.3	67.9	52.7	43.5
82.5°	246.3	90.8	54.9	43.5	35.9
85°	142.4	59.2	41.3	34.3	28.2
87.5°	61.4	32.6	28.2	25.6	21.7
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)