

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: P730304

Luminaire Tested: **HBLED-LD5-12SE-N-CL-WG-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730304
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33344)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12SE-N-CL-WG-UNV-L735
Description: 12000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS, WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11016.0 lumens
Efficiency: N/A
Efficacy: 146.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.81 / 0.91
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

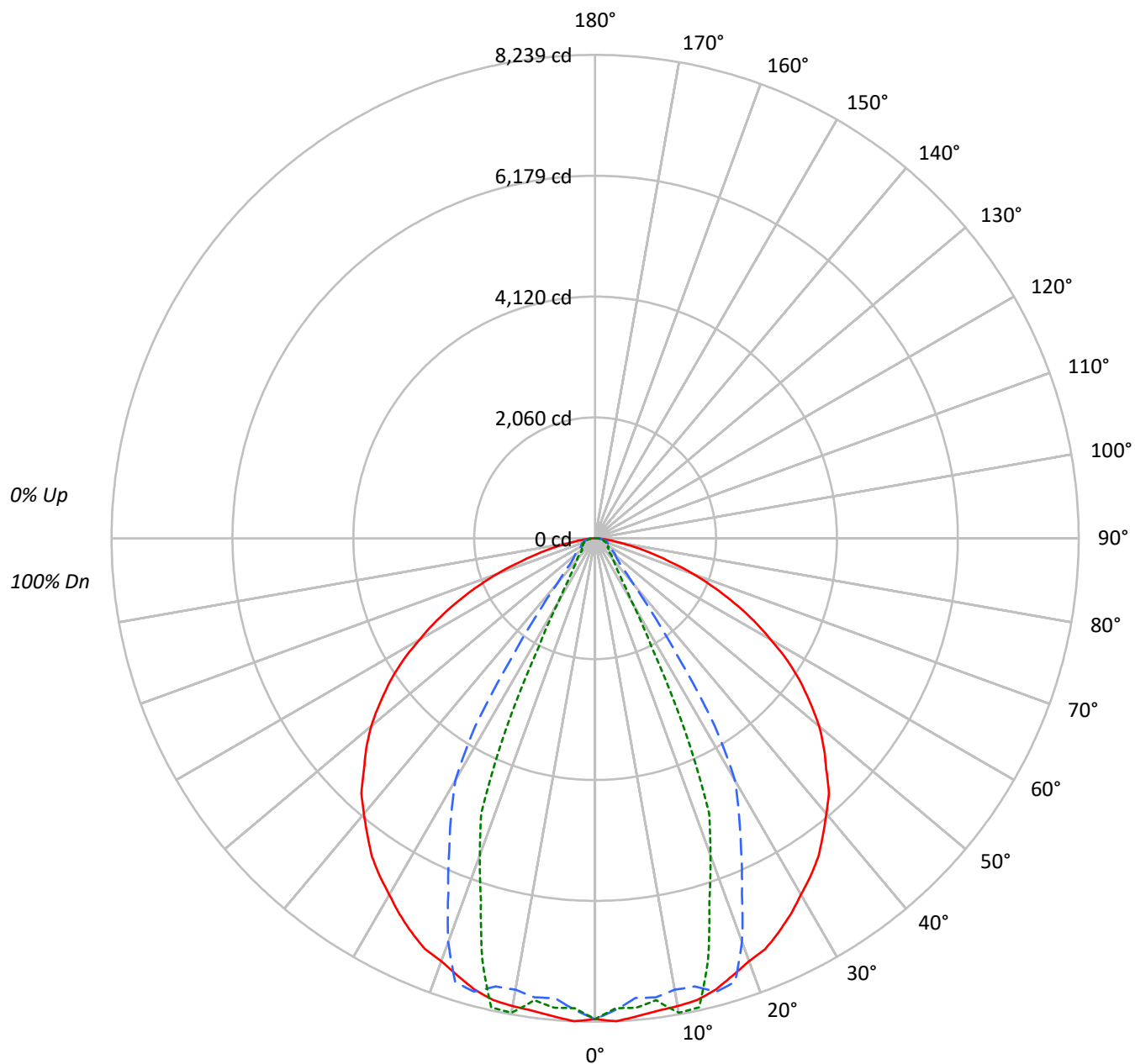
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89		
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	79		
3	97	89	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71		
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	59	58		
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	52	46	43	41		
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	48	43	40	38		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13230	13230	13230
5°	13252	12747	13016
10°	13272	12809	13466
15°	13301	13370	12427
20°	13175	12576	9864
25°	13194	10484	6443
30°	13076	8881	2315
35°	13062	4811	1302
40°	12914	2098	1020
45°	12714	1296	799
50°	12516	1129	755
55°	12024	979	738
60°	11156	877	793
65°	10028	992	867
70°	8410	1066	894
75°	6287	1216	968
80°	3949	1412	1104
85°	2629	1769	1615



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	759.5	6.9
10°-20°	2144.6	19.5
20°-30°	2626.2	23.8
30°-40°	2062.3	18.7
40°-50°	1529.4	13.9
50°-60°	931.0	8.5
60°-70°	557.7	5.1
70°-80°	306.0	2.8
80°-90°	99.2	0.9
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°	5530.3	50.2
0°-40°	7592.7	68.9
0°-60°	10053.1	91.3
0°-90°	11016.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11016.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8194	8194	8194	8194	8194	
5°	8177	7954	7865	7952	8031	778
15°	7957	7739	7999	7676	7434	2240
25°	7406	7429	5885	4616	3617	3409
35°	6627	6028	2441	817	660	4135
45°	5568	3998	568	430	350	4306
55°	4272	1102	348	294	262	3801
65°	2625	325	260	244	227	2593
75°	1008	205	195	170	155	1091
85°	142	112	96	88	87	173
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8194.3	8194.3	8194.3	8194.3	8194.3
2.5°	8239.0	8128.0	8043.0	7995.4	8014.7
5°	8176.6	7954.0	7865.1	7951.8	8030.8
7.5°	8122.4	7791.7	7892.2	7899.9	7941.3
10°	8094.9	7776.2	7812.6	7984.4	8213.6
12.5°	8058.4	7812.1	7824.8	8058.9	8188.2
15°	7957.4	7739.2	7998.8	7675.7	7434.3
17.5°	7809.9	7569.1	7925.8	6799.8	6471.8
20°	7667.9	7384.1	7319.0	6057.0	5740.6
22.5°	7576.3	7356.0	6538.1	5397.1	5070.2
25°	7406.2	7429.4	5884.8	4615.7	3616.7
27.5°	7219.0	7256.5	5307.1	3078.2	2072.0
30°	7013.5	7056.6	4763.7	1819.1	1241.5
32.5°	6827.5	6584.4	3804.4	1134.9	863.1
35°	6627.0	6028.3	2440.9	816.8	660.5
37.5°	6374.6	5444.0	1545.2	646.1	554.5
40°	6127.2	4919.4	995.2	551.7	483.8
42.5°	5895.8	4487.0	724.0	482.1	436.9
45°	5568.3	3998.3	567.7	430.2	350.1
47.5°	5285.0	3425.1	496.5	363.9	302.1
50°	4982.9	2618.8	449.5	323.6	300.4
52.5°	4624.5	1713.0	415.3	309.8	280.5
55°	4271.6	1101.8	347.9	294.3	262.3
57.5°	3890.6	698.6	307.1	285.5	273.9
60°	3454.9	471.1	271.7	270.6	245.7
62.5°	3051.7	387.1	262.3	259.6	232.5
65°	2624.8	324.7	259.6	244.1	227.0
67.5°	2198.5	278.3	234.7	223.1	208.2
70°	1781.6	254.6	225.9	220.9	189.4
72.5°	1353.0	209.8	200.5	187.2	157.4
75°	1007.8	204.9	194.9	169.5	155.2
77.5°	682.0	188.9	177.3	151.9	140.3
80°	424.7	173.4	151.9	133.1	118.7
82.5°	252.4	144.7	124.8	109.9	100.5
85°	141.9	111.6	95.5	87.8	87.2
87.5°	30.4	40.3	32.0	30.4	21.5
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)