

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: P730306

Luminaire Tested: **HBLED-LD5-12SE-N-CL-WG-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730306
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-L750
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: 11623.0 lumens
Efficiency: N/A
Efficacy: 155.0 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

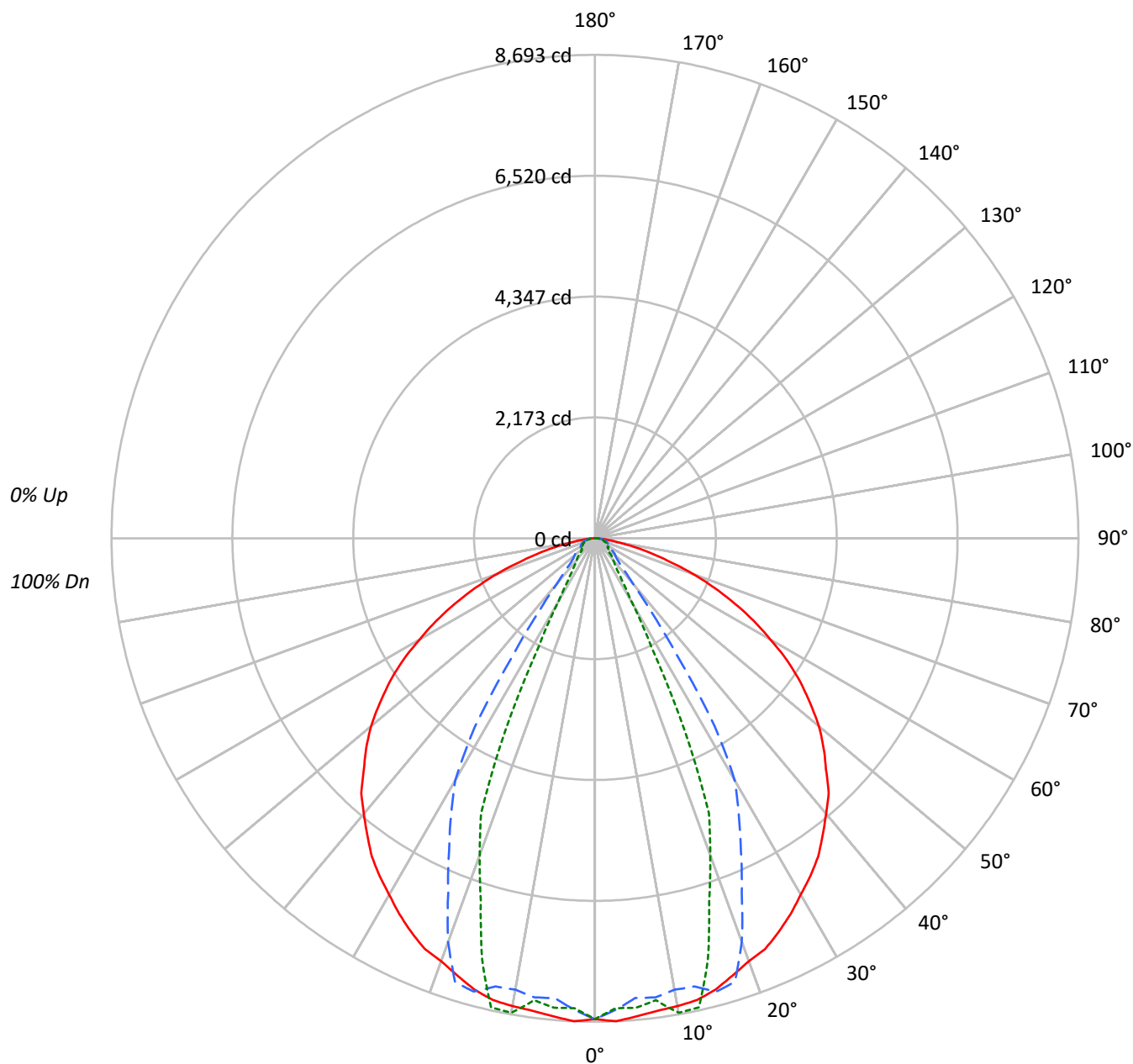
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730306

CATALOG NUMBER: HBLED-LD5-12SE-N-CL-WG-UNV-L750

Luminous Intensity Polar Plot





TEST NUMBER: P730306

CATALOG NUMBER: HBLED-LD5-12SE-N-CL-WG-UNV-L750

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°	13959	13959	13959
5°	13982	13450	13733
10°	14003	13515	14208
15°	14034	14107	13112
20°	13901	13268	10407
25°	13921	11061	6798
30°	13796	9370	2442
35°	13782	5076	1374
40°	13626	2213	1076
45°	13415	1368	843
50°	13206	1191	796
55°	12687	1033	779
60°	11771	926	837
65°	10581	1046	915
70°	8874	1125	943
75°	6634	1283	1021
80°	4166	1490	1164
85°	2775	1867	1706



TEST NUMBER: P730306

CATALOG NUMBER: HBLED-LD5-12SE-N-CL-WG-UNV-L750

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	801.3	6.9
10°-20°	2262.8	19.5
20°-30°	2770.9	23.8
30°-40°	2176.0	18.7
40°-50°	1613.6	13.9
50°-60°	982.4	8.5
60°-70°	588.5	5.1
70°-80°	322.8	2.8
80°-90°	104.7	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°	5835.0	50.2
0°-40°	8011.0	68.9
0°-60°	10607.0	91.3
0°-90°	11623.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11623.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8646	8646	8646	8646	8646	
5°	8627	8392	8298	8390	8473	821
15°	8396	8166	8440	8099	7844	2364
25°	7814	7839	6209	4870	3816	3597
35°	6992	6360	2575	862	697	4363
45°	5875	4219	599	454	369	4543
55°	4507	1162	367	311	277	4011
65°	2770	343	274	258	240	2736
75°	1063	216	206	179	164	1151
85°	150	118	101	93	92	183
90°	0	0	0	0	0	



TEST NUMBER: P730306

CATALOG NUMBER: HBLED-LD5-12SE-N-CL-WG-UNV-L750

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8645.8	8645.8	8645.8	8645.8	8645.8
2.5°	8693.0	8575.8	8486.1	8436.0	8456.4
5°	8627.1	8392.3	8298.5	8390.0	8473.3
7.5°	8570.0	8221.0	8327.0	8335.2	8378.9
10°	8540.9	8204.7	8243.1	8424.3	8666.1
12.5°	8502.5	8242.6	8255.9	8503.0	8639.3
15°	8395.8	8165.6	8439.5	8098.6	7844.0
17.5°	8240.2	7986.2	8362.6	7174.5	6828.4
20°	8090.5	7791.0	7722.2	6390.8	6056.9
22.5°	7993.8	7761.3	6898.3	5694.5	5349.5
25°	7814.3	7838.8	6209.0	4870.0	3816.0
27.5°	7616.8	7656.4	5599.5	3247.9	2186.2
30°	7400.0	7445.5	5026.1	1919.3	1309.9
32.5°	7203.7	6947.3	4014.1	1197.4	910.7
35°	6992.1	6360.5	2575.4	861.8	696.9
37.5°	6725.9	5744.0	1630.3	681.7	585.0
40°	6464.8	5190.5	1050.0	582.1	510.4
42.5°	6220.7	4734.3	763.9	508.7	460.9
45°	5875.2	4218.6	599.0	453.9	369.4
47.5°	5576.2	3613.8	523.8	384.0	318.7
50°	5257.5	2763.1	474.3	341.5	317.0
52.5°	4879.3	1807.4	438.2	326.9	296.0
55°	4507.0	1162.5	367.1	310.6	276.8
57.5°	4105.0	737.1	324.0	301.2	289.0
60°	3645.2	497.0	286.7	285.5	259.3
62.5°	3219.9	408.5	276.8	273.9	245.3
65°	2769.5	342.6	273.9	257.5	239.5
67.5°	2319.6	293.7	247.7	235.4	219.7
70°	1879.7	268.6	238.3	233.1	199.8
72.5°	1427.5	221.4	211.5	197.5	166.1
75°	1063.4	216.2	205.7	178.9	163.7
77.5°	719.6	199.3	187.1	160.2	148.0
80°	448.1	183.0	160.2	140.4	125.2
82.5°	266.3	152.7	131.7	116.0	106.0
85°	149.8	117.7	100.8	92.7	92.1
87.5°	32.0	42.5	33.8	32.0	22.7
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)