

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: P730305

Luminaire Tested: **HBLED-LD5-12SE-N-CL-WG-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730305
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-L740
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: 11350.0 lumens
Efficiency: N/A
Efficacy: 151.3 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

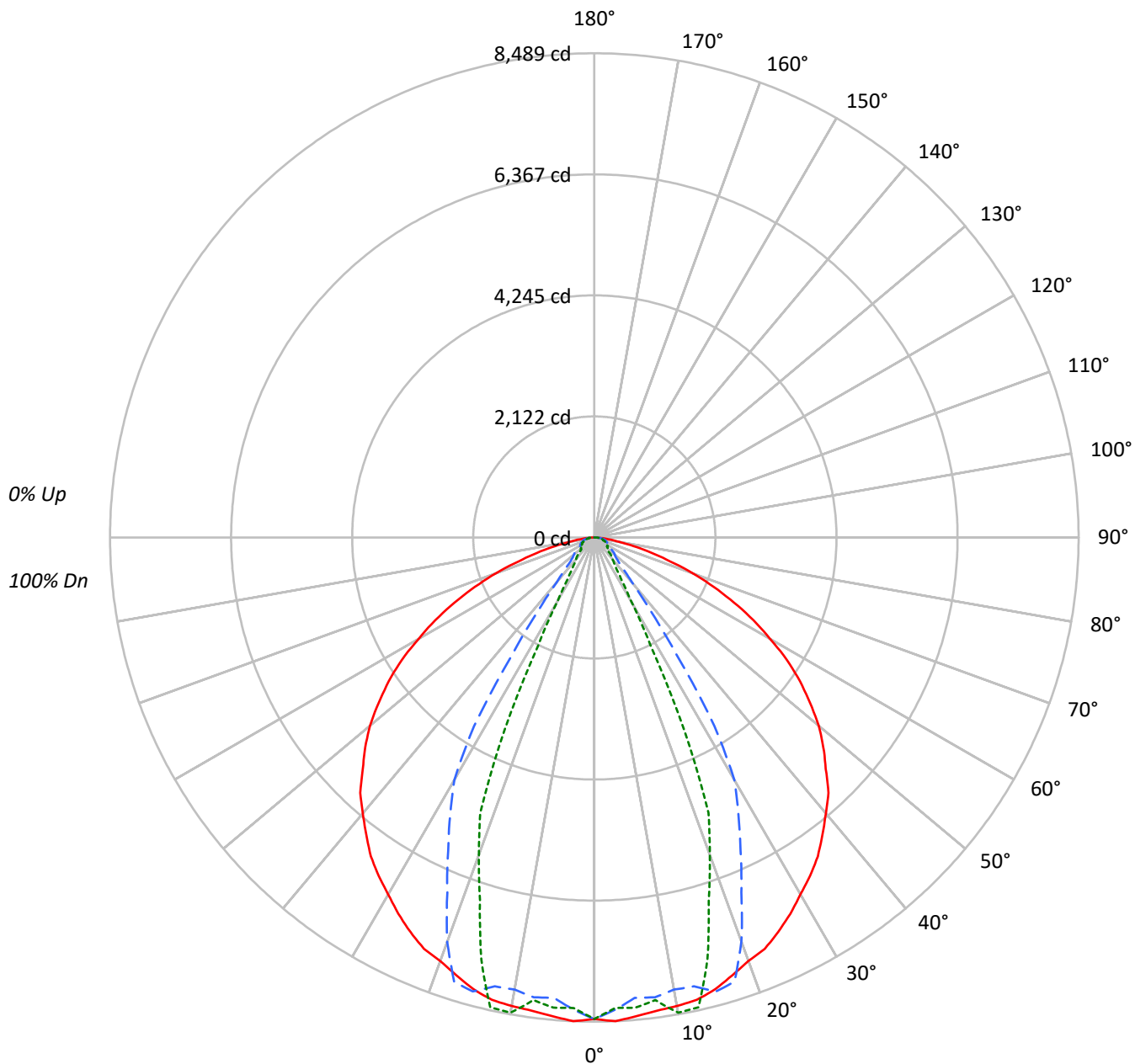
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	13631	13631	13631
5°	13654	13134	13411
10°	13674	13197	13874
15°	13704	13776	12804
20°	13575	12957	10163
25°	13594	10802	6638
30°	13472	9150	2385
35°	13458	4957	1341
40°	13306	2161	1051
45°	13100	1336	824
50°	12896	1163	778
55°	12389	1009	761
60°	11495	904	818
65°	10332	1022	893
70°	8665	1099	921
75°	6478	1253	998
80°	4069	1455	1137
85°	2708	1823	1665



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	782.5	6.9
10°-20°	2209.7	19.5
20°-30°	2705.8	23.8
30°-40°	2124.9	18.7
40°-50°	1575.7	13.9
50°-60°	959.3	8.5
60°-70°	574.6	5.1
70°-80°	315.3	2.8
80°-90°	102.3	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°	5698.0	50.2
0°-40°	7822.9	68.9
0°-60°	10357.9	91.3
0°-90°	11350.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11350.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8443	8443	8443	8443	8443	
5°	8424	8195	8104	8193	8274	801
15°	8199	7974	8241	7908	7660	2308
25°	7631	7655	6063	4756	3726	3513
35°	6828	6211	2515	842	680	4260
45°	5737	4120	585	443	361	4437
55°	4401	1135	358	303	270	3917
65°	2704	335	267	252	234	2672
75°	1038	211	201	175	160	1124
85°	146	115	98	90	90	178
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8442.7	8442.7	8442.7	8442.7	8442.7
2.5°	8488.8	8374.4	8286.8	8237.9	8257.8
5°	8424.5	8195.2	8103.6	8192.9	8274.3
7.5°	8368.7	8027.9	8131.4	8139.4	8182.1
10°	8340.3	8012.0	8049.5	8226.5	8462.6
12.5°	8302.8	8049.0	8062.0	8303.3	8436.4
15°	8198.6	7973.8	8241.3	7908.4	7659.8
17.5°	8046.7	7798.6	8166.2	7006.0	6668.0
20°	7900.4	7608.0	7540.9	6240.7	5914.7
22.5°	7806.0	7579.0	6736.3	5560.7	5223.9
25°	7630.8	7654.6	6063.2	4755.6	3726.3
27.5°	7437.9	7476.6	5468.0	3171.6	2134.8
30°	7226.2	7270.6	4908.1	1874.2	1279.1
32.5°	7034.5	6784.1	3919.8	1169.3	889.3
35°	6827.9	6211.1	2514.9	841.5	680.5
37.5°	6567.9	5609.1	1592.0	665.7	571.3
40°	6313.0	5068.6	1025.3	568.4	498.5
42.5°	6074.6	4623.1	745.9	496.7	450.1
45°	5737.2	4119.5	584.9	443.2	360.7
47.5°	5445.3	3528.9	511.5	375.0	311.3
50°	5134.0	2698.2	463.2	333.4	309.6
52.5°	4764.7	1765.0	427.9	319.2	289.0
55°	4401.2	1135.2	358.4	303.3	270.3
57.5°	4008.5	719.8	316.4	294.1	282.2
60°	3559.6	485.3	280.0	278.8	253.2
62.5°	3144.2	398.9	270.3	267.4	239.6
65°	2704.4	334.6	267.4	251.5	233.8
67.5°	2265.1	286.8	241.8	229.8	214.5
70°	1835.6	262.3	232.7	227.6	195.1
72.5°	1394.0	216.2	206.5	192.9	162.2
75°	1038.4	211.1	200.8	174.7	159.9
77.5°	702.7	194.6	182.7	156.5	144.5
80°	437.6	178.7	156.5	137.1	122.3
82.5°	260.0	149.1	128.6	113.2	103.5
85°	146.2	115.0	98.4	90.5	89.9
87.5°	31.3	41.5	33.0	31.3	22.2
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)