

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: P730827

Luminaire Tested: **HBLED-LD5-30HE-W-A-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730827
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23761)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30HE-W-A-UNV-L740
Description: 30000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28961.0 lumens
Efficiency: N/A
Efficacy: 161.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.2 / 1.27
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

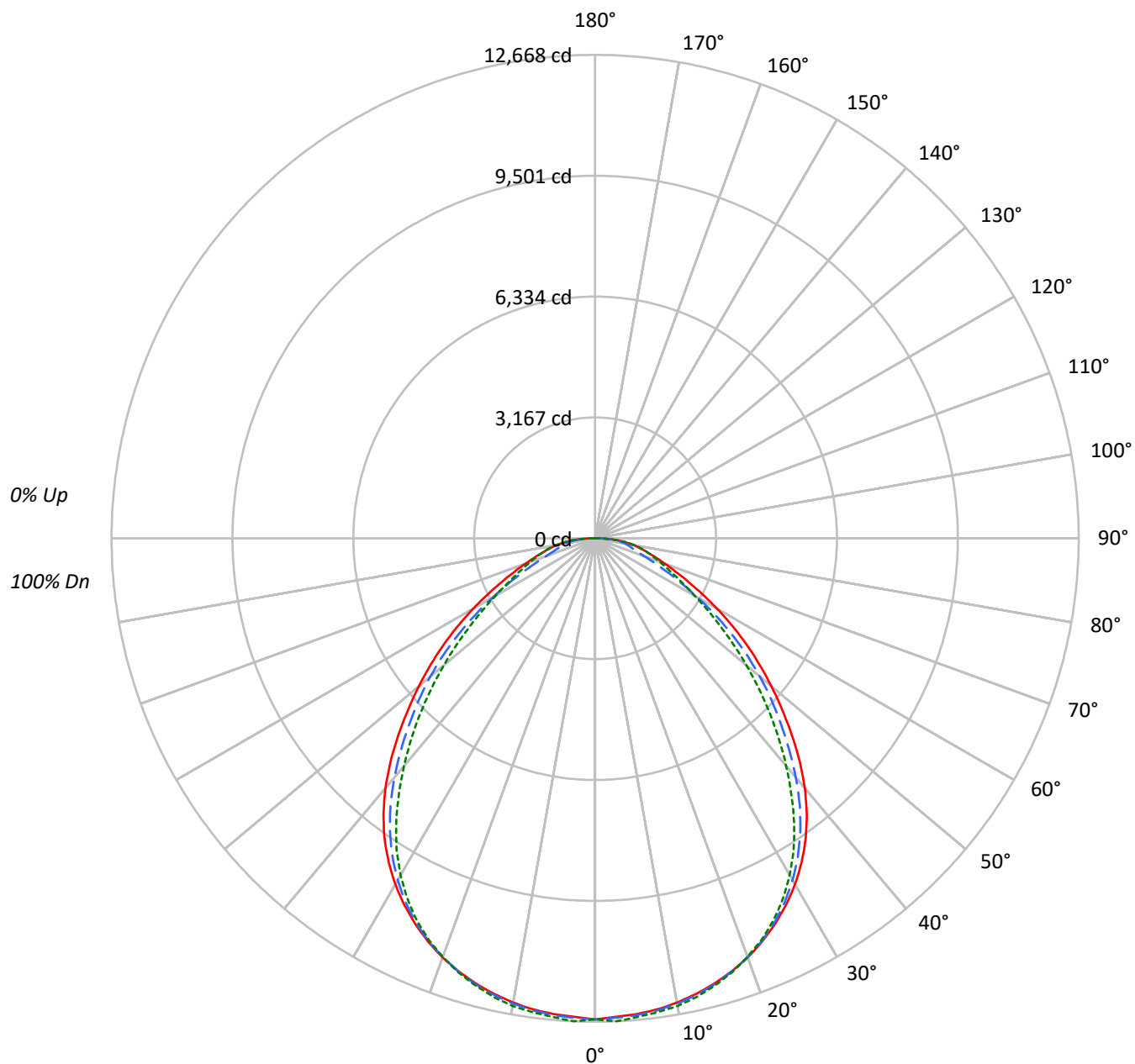
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	93	83	75	70	90	81	75	69	79	73	68	76	71	67	73	69	65	63		
4	85	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57	55		
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49		
6	73	61	52	46	72	60	52	46	58	51	46	56	50	45	55	49	45	43		
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	47	41	36	35		
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20355	20355	20355
5°	20283	20329	20412
10°	20254	20301	20404
15°	20187	20227	20275
20°	20081	20067	20052
25°	19863	19795	19684
30°	19520	19284	19003
35°	18953	18477	17908
40°	18010	17237	16410
45°	16638	15710	14759
50°	15125	14146	12982
55°	13600	12247	11222
60°	11901	10009	9738
65°	10261	7871	8789
70°	9149	6424	8470
75°	8764	6271	8852
80°	9479	7417	9861
85°	10643	8929	10747



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1194.9	4.1
10°-20°	3419.6	11.8
20°-30°	5115.3	17.7
30°-40°	5836.2	20.2
40°-50°	5312.6	18.3
50°-60°	3901.0	13.5
60°-70°	2303.4	8.0
70°-80°	1320.0	4.6
80°-90°	558.1	1.9
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°	9729.8	33.6
0°-40°	15566.0	53.7
0°-60°	24779.5	85.6
0°-90°	28961.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28961.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12607	12607	12607	12607	12607	
5°	12515	12593	12543	12593	12594	###
15°	12077	12144	12101	12144	12130	3408
25°	11150	11190	11111	11107	11049	5132
35°	9616	9569	9374	9213	9085	5991
45°	7287	7244	6880	6572	6464	5616
55°	4831	4608	4351	4035	3987	4321
65°	2686	2344	2060	2204	2300	2703
75°	1405	1204	1005	1311	1419	1514
85°	574	530	482	569	580	601
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12607.2	12607.2	12607.2	12607.2	12607.2
2.5°	12548.9	12621.4	12575.9	12625.7	12668.3
5°	12514.8	12593.0	12543.2	12593.0	12594.4
7.5°	12452.3	12524.7	12476.4	12530.5	12524.7
10°	12354.1	12426.6	12382.6	12440.9	12445.2
12.5°	12229.0	12298.7	12253.2	12320.1	12308.7
15°	12076.8	12143.6	12101.0	12143.6	12129.5
17.5°	11897.7	11958.9	11903.5	11950.4	11926.2
20°	11687.3	11738.4	11678.8	11722.8	11670.3
22.5°	11435.7	11481.1	11418.6	11442.7	11388.7
25°	11149.8	11189.6	11111.4	11107.2	11048.9
27.5°	10831.3	10852.7	10753.1	10719.0	10652.2
30°	10470.3	10475.9	10343.7	10279.8	10192.9
32.5°	10065.0	10050.8	9881.6	9786.4	9679.6
35°	9615.7	9568.8	9374.0	9213.4	9085.4
37.5°	9108.2	9034.2	8801.1	8563.6	8441.3
40°	8545.1	8458.4	8178.3	7883.9	7785.8
42.5°	7932.3	7858.4	7528.5	7221.4	7124.7
45°	7286.8	7244.2	6880.1	6571.6	6463.5
47.5°	6641.3	6610.0	6254.6	5940.3	5809.5
50°	6021.4	5953.1	5631.8	5287.7	5168.3
52.5°	5419.9	5280.6	4997.7	4645.0	4557.0
55°	4831.3	4608.1	4350.8	4035.2	3986.7
57.5°	4248.3	3959.7	3709.5	3473.5	3472.1
60°	3685.4	3355.5	3099.5	2975.8	3015.7
62.5°	3157.8	2819.4	2542.2	2550.7	2623.3
65°	2685.8	2344.5	2060.2	2203.8	2300.5
67.5°	2280.6	1955.0	1666.4	1933.7	2026.0
70°	1938.0	1643.6	1360.7	1694.8	1794.3
72.5°	1649.3	1401.9	1147.4	1495.7	1596.7
75°	1404.8	1204.2	1005.2	1310.9	1418.9
77.5°	1205.7	1028.0	901.5	1134.5	1246.9
80°	1019.5	863.1	797.7	964.0	1060.6
82.5°	807.5	699.6	661.2	783.4	833.2
85°	574.5	530.3	482.0	568.7	580.1
87.5°	315.6	327.0	270.1	327.0	328.4
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)