

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: P730845

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730845
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33385)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30HE-W-CL-WG-UNV-L740
Description: 30000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS,
WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29225.0 lumens
Efficiency: N/A
Efficacy: 163.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.3 / 1.33
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

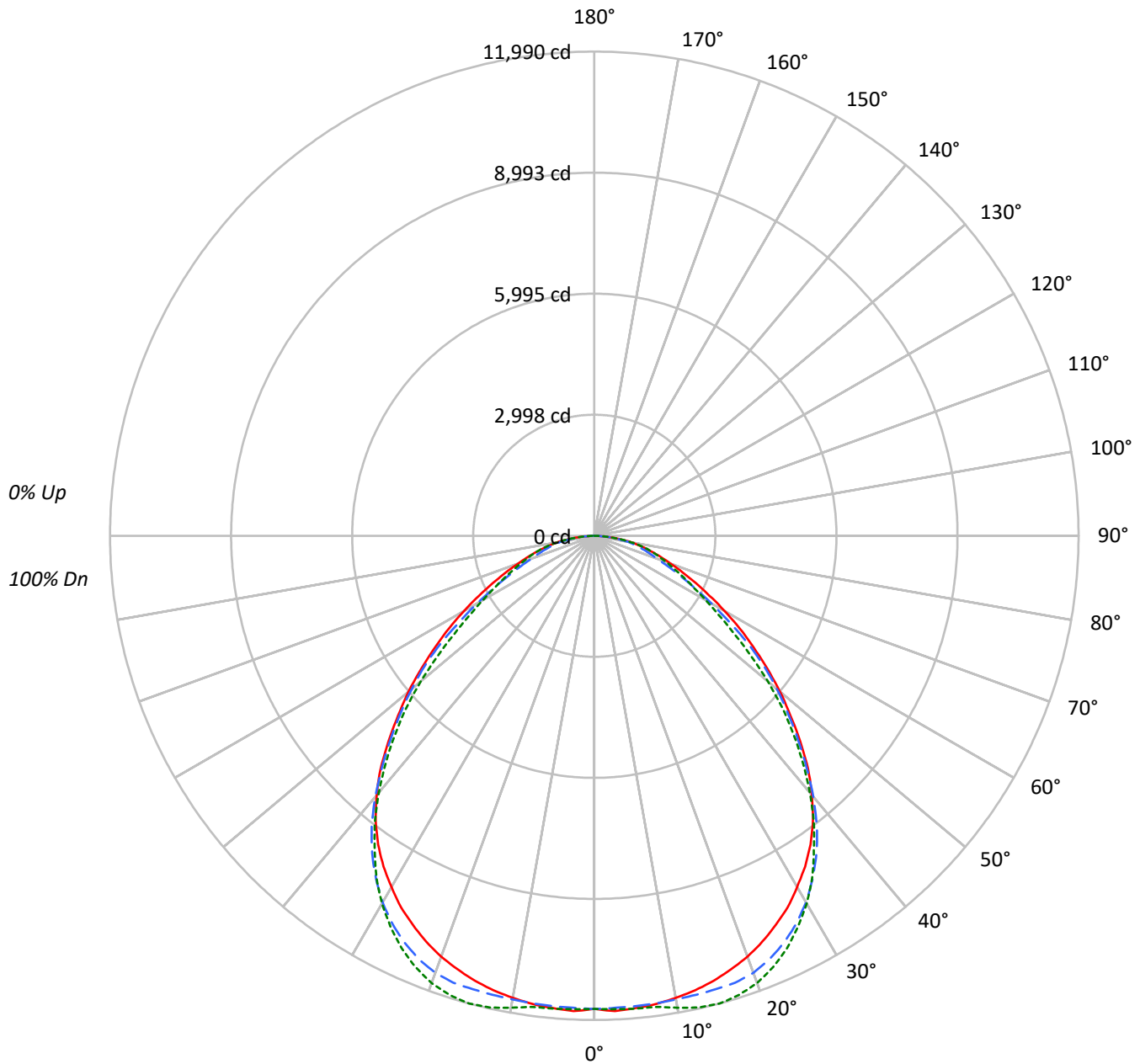
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730845

CATALOG NUMBER: HBLED-LD5-30HE-W-CL-WG-UNV-L740

Luminous Intensity Polar Plot





TEST NUMBER: P730845

CATALOG NUMBER: HBLED-LD5-30HE-W-CL-WG-UNV-L740

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	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65	63		
4	85	74	66	59	83	73	65	59	70	64	58	68	62	57	66	61	57	55		
5	79	67	58	52	77	65	57	52	63	56	51	61	55	50	60	54	50	48		
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44	42		
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	38		
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36	34		
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31		
10	56	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18920	18920	18920
5°	19032	18953	19047
10°	19049	19113	19455
15°	19072	19431	20042
20°	19060	19787	20249
25°	18943	19805	20095
30°	18725	19542	19605
35°	18391	18909	18683
40°	17666	17774	17494
45°	16460	16288	15956
50°	15071	14828	14068
55°	13537	13035	11895
60°	12005	10785	10268
65°	10578	8961	9318
70°	9460	7776	8875
75°	8862	7561	8975
80°	8628	7644	8543
85°	6886	6049	6271



TEST NUMBER: P730845

CATALOG NUMBER: HBLED-LD5-30HE-W-CL-WG-UNV-L740

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1116.3	3.8
10°-20°	3288.1	11.3
20°-30°	5058.4	17.3
30°-40°	5903.4	20.2
40°-50°	5485.8	18.8
50°-60°	4066.3	13.9
60°-70°	2485.8	8.5
70°-80°	1415.9	4.8
80°-90°	405.0	1.4
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°	9462.8	32.4
0°-40°	15366.2	52.6
0°-60°	24918.4	85.3
0°-90°	29225.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29225.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11718	11718	11718	11718	11718	
5°	11743	11688	11694	11685	11752	###
15°	11410	11404	11625	11854	11990	3221
25°	10633	10715	11117	11211	11280	4898
35°	9331	9403	9594	9515	9479	5814
45°	7209	7251	7133	7021	6988	5555
55°	4809	4688	4631	4301	4226	4316
65°	2769	2515	2346	2409	2439	2771
75°	1421	1333	1212	1381	1439	1520
85°	372	363	326	338	338	429
90°	0	0	0	0	0	



TEST NUMBER: P730845

CATALOG NUMBER: HBLED-LD5-30HE-W-CL-WG-UNV-L740

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11718.4	11718.4	11718.4	11718.4	11718.4
2.5°	11781.9	11715.4	11703.2	11676.1	11736.5
5°	11742.6	11688.1	11694.1	11685.2	11751.7
7.5°	11697.2	11657.9	11682.1	11679.0	11766.8
10°	11618.7	11597.5	11657.9	11724.4	11866.5
12.5°	11531.0	11509.9	11642.9	11812.0	11966.3
15°	11410.1	11404.0	11624.7	11854.4	11990.4
17.5°	11259.0	11268.0	11603.5	11800.0	11920.9
20°	11092.7	11107.8	11515.9	11676.1	11784.9
22.5°	10878.1	10929.6	11346.6	11479.6	11564.2
25°	10633.3	10714.8	11116.9	11210.6	11280.1
27.5°	10370.3	10451.9	10832.8	10881.1	10920.5
30°	10043.9	10158.7	10482.1	10488.3	10515.4
32.5°	9711.4	9814.2	10062.0	10034.8	10040.8
35°	9330.6	9403.1	9593.5	9515.0	9478.7
37.5°	8892.3	8931.6	9052.4	8934.7	8928.5
40°	8381.5	8432.9	8432.9	8269.7	8299.9
42.5°	7837.5	7855.5	7780.1	7625.8	7650.0
45°	7208.7	7251.0	7133.1	7021.4	6988.1
47.5°	6586.1	6628.4	6504.5	6374.6	6317.1
50°	5999.8	5978.5	5903.1	5682.4	5600.8
52.5°	5392.2	5325.7	5295.5	4972.1	4878.4
55°	4808.8	4688.0	4630.6	4301.0	4225.5
57.5°	4267.8	4050.3	3941.4	3684.5	3654.2
60°	3717.8	3472.9	3339.9	3173.7	3179.7
62.5°	3219.1	2962.0	2801.9	2753.6	2774.7
65°	2768.7	2514.7	2345.5	2409.0	2439.1
67.5°	2360.6	2152.0	1961.6	2109.7	2139.9
70°	2004.0	1837.7	1647.3	1865.0	1880.1
72.5°	1707.7	1571.7	1411.5	1617.0	1650.3
75°	1420.6	1333.0	1212.0	1381.3	1438.7
77.5°	1169.7	1100.3	1030.7	1133.5	1196.9
80°	927.9	858.4	822.1	876.5	918.8
82.5°	655.9	610.6	574.3	613.6	634.8
85°	371.7	362.7	326.5	338.5	338.5
87.5°	84.7	96.7	108.8	99.7	84.7
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)