

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: P730812

Luminaire Tested: **HBLED-LD5-30HE-N-CL-WG-UNV-L840**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730812
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-LD5-30HE-N-CL-WG-UNV-L840
Description: 30000 LUMEN, HE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS, WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27896.0 lumens
Efficiency: N/A
Efficacy: 155.8 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

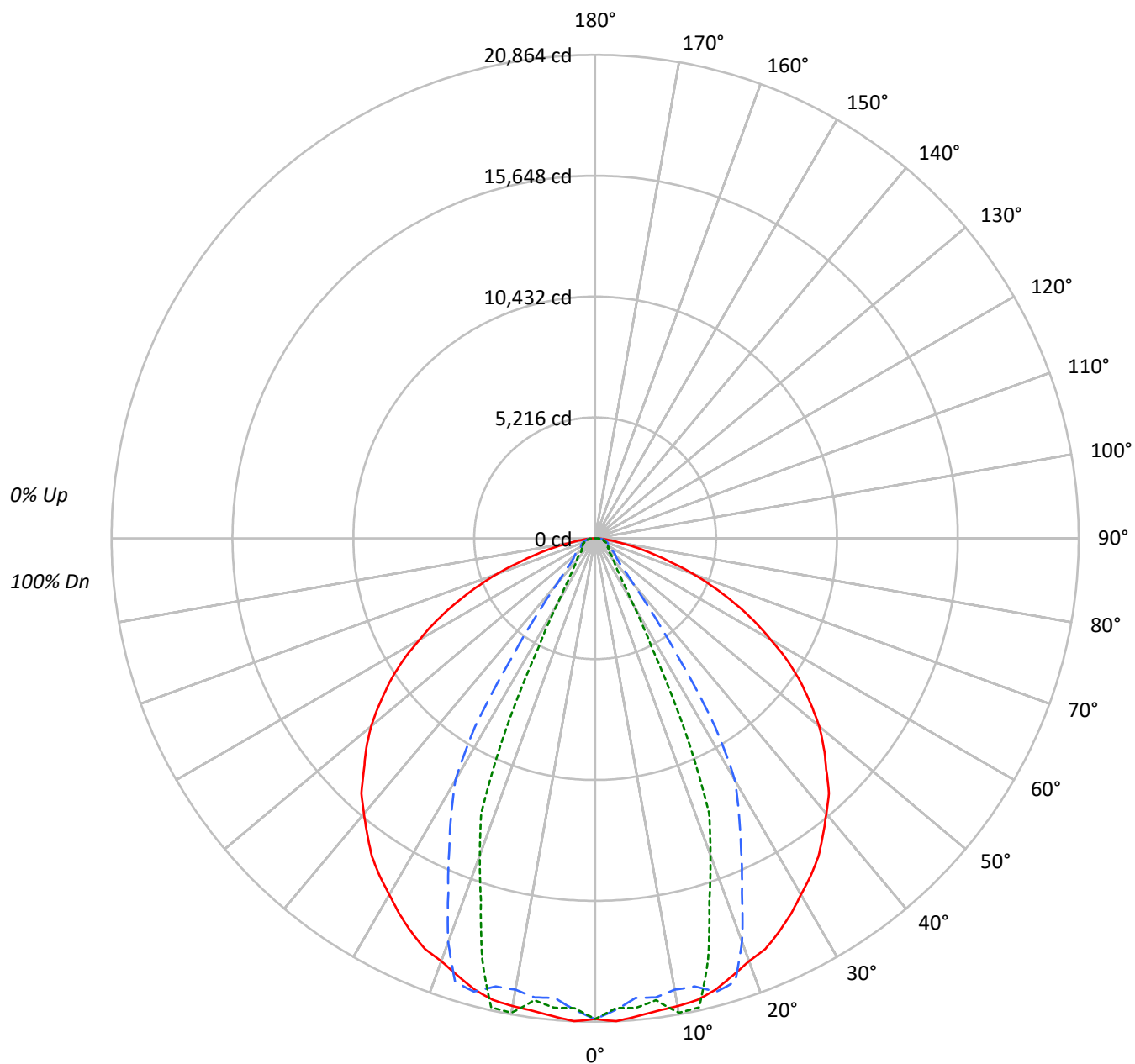
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730812

CATALOG NUMBER: HBLED-LD5-30HE-N-CL-WG-UNV-L840

Luminous Intensity Polar Plot





TEST NUMBER: P730812

CATALOG NUMBER: HBLED-LD5-30HE-N-CL-WG-UNV-L840

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	108	104	101	109	105	103	100	101	99	97		98	96	94		94
2	104	97	92	88	101	96	91	87	92	88	85		89	86	83		86
3	97	89	82	77	95	87	81	76	84	79	75		82	77	74		79
4	90	81	74	68	88	80	73	68	77	72	67		75	70	66		73
5	85	74	67	62	83	73	66	61	71	65	61		69	64	60		68
6	79	68	61	56	78	68	61	56	66	60	55		64	59	55		63
7	75	63	56	51	73	63	56	51	61	55	50		60	54	50		59
8	70	59	52	47	69	58	51	47	57	51	46		56	50	46		55
9	66	55	48	43	65	54	48	43	53	47	43		52	47	43		52
10	63	52	45	40	62	51	45	40	50	44	40		49	44	40		48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	33503	33503	33503
5°	33559	32280	32960
10°	33608	32436	34100
15°	33683	33858	31469
20°	33363	31845	24978
25°	33412	26548	16316
30°	33112	22490	5861
35°	33077	12183	3297
40°	32703	5311	2582
45°	32197	3283	2024
50°	31695	2859	1911
55°	30450	2480	1870
60°	28251	2222	2010
65°	25394	2511	2196
70°	21298	2700	2264
75°	15921	3079	2452
80°	10000	3576	2795
85°	6658	4481	4092



TEST NUMBER: P730812

CATALOG NUMBER: HBLED-LD5-30HE-N-CL-WG-UNV-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1923.3	6.9
10°-20°	5430.9	19.5
20°-30°	6650.3	23.8
30°-40°	5222.5	18.7
40°-50°	3872.8	13.9
50°-60°	2357.7	8.5
60°-70°	1412.3	5.1
70°-80°	774.9	2.8
80°-90°	251.3	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°	14004.5	50.2
0°-40°	19227.0	68.9
0°-60°	25457.5	91.3
0°-90°	27896.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27896.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20750	20750	20750	20750	20750	
5°	20706	20142	19917	20136	20336	###
15°	20151	19598	20255	19437	18826	5673
25°	18755	18814	14902	11688	9159	8633
35°	16782	15266	6181	2068	1673	10471
45°	14101	10125	1438	1089	887	10904
55°	10817	2790	881	745	664	9626
65°	6647	822	657	618	575	6567
75°	2552	519	494	429	393	2763
85°	359	282	242	222	221	439
90°	0	0	0	0	0	



TEST NUMBER: P730812

CATALOG NUMBER: HBLED-LD5-30HE-N-CL-WG-UNV-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	20750.5	20750.5	20750.5	20750.5	20750.5
2.5°	20863.7	20582.6	20367.3	20247.0	20295.9
5°	20705.6	20142.0	19916.9	20136.5	20336.5
7.5°	20568.6	19731.0	19985.4	20005.1	20109.9
10°	20498.7	19691.8	19784.0	20219.0	20799.3
12.5°	20406.5	19782.7	19814.8	20407.8	20735.0
15°	20150.6	19598.1	20255.4	19437.3	18826.1
17.5°	19777.1	19167.4	20070.8	17219.3	16388.6
20°	19417.6	18698.9	18533.9	15338.3	14537.0
22.5°	19185.6	18627.6	16556.5	13667.2	12839.3
25°	18754.8	18813.5	14902.1	11688.3	9158.6
27.5°	18280.7	18375.9	13439.3	7795.1	5247.0
30°	17760.5	17869.7	12063.1	4606.5	3143.8
32.5°	17289.3	16673.9	9634.0	2873.9	2185.8
35°	16781.6	15265.6	6181.2	2068.4	1672.6
37.5°	16142.5	13786.0	3912.9	1636.2	1404.1
40°	15516.0	12457.5	2520.0	1397.0	1225.1
42.5°	14930.0	11362.6	1833.4	1220.9	1106.2
45°	14100.8	10124.9	1437.7	1089.3	886.6
47.5°	13383.3	8673.3	1257.2	921.6	765.0
50°	12618.3	6631.6	1138.4	819.5	760.8
52.5°	11710.7	4338.0	1051.6	784.5	710.4
55°	10817.2	2790.0	881.0	745.4	664.2
57.5°	9852.2	1769.1	777.6	723.0	693.6
60°	8748.8	1192.9	688.1	685.2	622.3
62.5°	7727.9	980.3	664.2	657.3	588.8
65°	6646.9	822.3	657.3	618.1	574.7
67.5°	5567.3	704.9	594.4	564.9	527.2
70°	4511.5	644.7	572.0	559.4	479.6
72.5°	3426.2	531.4	507.7	474.1	398.6
75°	2552.2	518.8	493.6	429.3	393.0
77.5°	1727.1	478.3	448.9	384.6	355.3
80°	1075.5	439.1	384.6	337.0	300.6
82.5°	639.1	366.4	316.1	278.3	254.5
85°	359.4	282.5	241.9	222.4	220.9
87.5°	76.9	102.1	81.1	76.9	54.5
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)