

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: P730808

Luminaire Tested: **HBLED-LD5-30HE-N-CL-WG-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730808
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-L735
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: 28365.0 lumens
Efficiency: N/A
Efficacy: 158.5 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

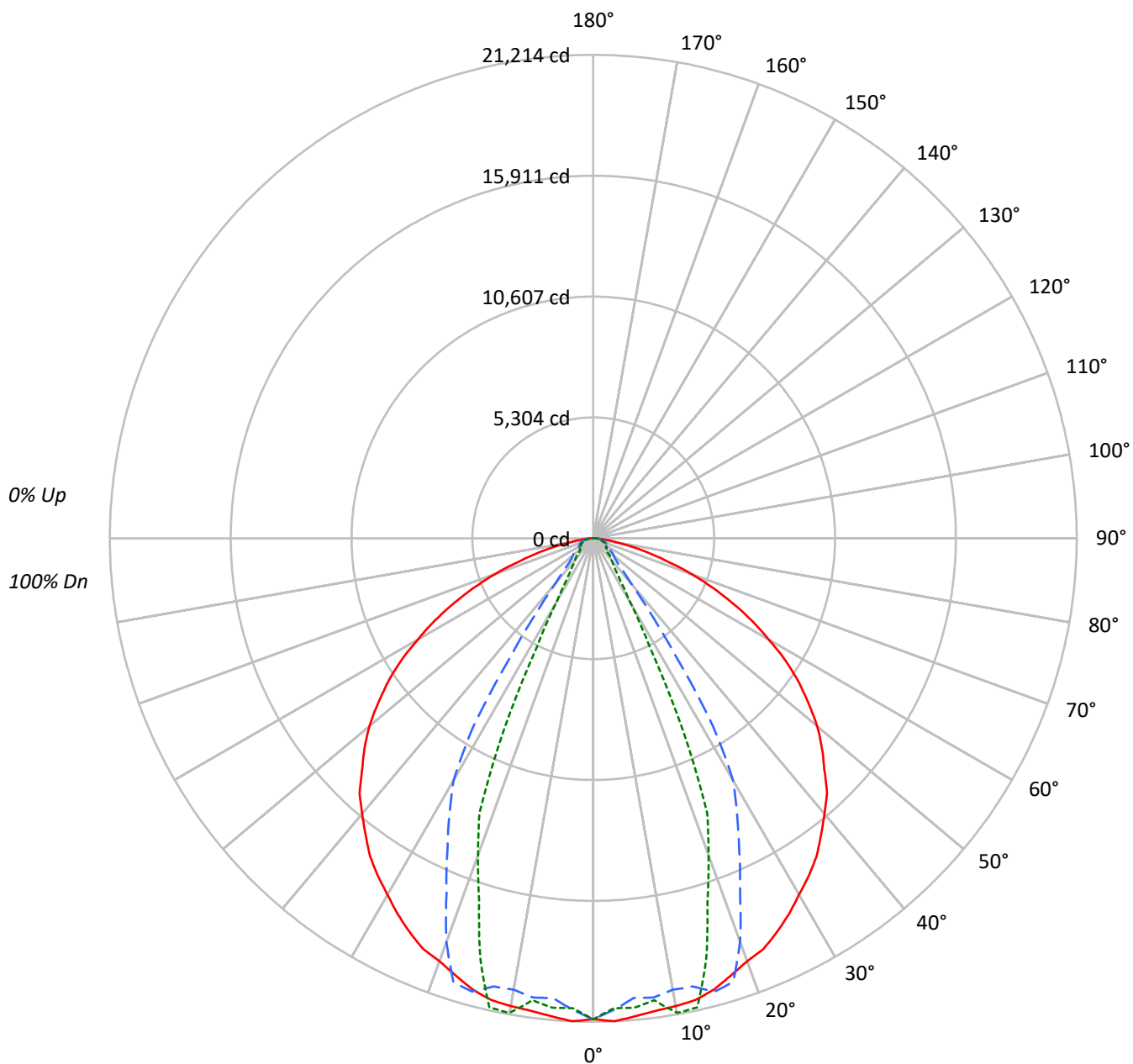
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730808

CATALOG NUMBER: HBLED-LD5-30HE-N-CL-WG-UNV-L735

Luminous Intensity Polar Plot





TEST NUMBER: P730808

CATALOG NUMBER: HBLED-LD5-30HE-N-CL-WG-UNV-L735

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°	34067	34067	34067
5°	34123	32823	33515
10°	34173	32981	34674
15°	34249	34427	31998
20°	33924	32380	25398
25°	33974	26994	16590
30°	33669	22868	5960
35°	33634	12388	3352
40°	33253	5401	2626
45°	32739	3338	2058
50°	32228	2907	1943
55°	30962	2522	1901
60°	28726	2259	2043
65°	25821	2554	2233
70°	21655	2746	2302
75°	16189	3131	2493
80°	10167	3636	2842
85°	6771	4557	4161



TEST NUMBER: P730808

CATALOG NUMBER: HBLED-LD5-30HE-N-CL-WG-UNV-L735

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1955.6	6.9
10°-20°	5522.2	19.5
20°-30°	6762.1	23.8
30°-40°	5310.3	18.7
40°-50°	3937.9	13.9
50°-60°	2397.3	8.5
60°-70°	1436.0	5.1
70°-80°	787.9	2.8
80°-90°	255.5	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°	14240.0	50.2
0°-40°	19550.3	68.9
0°-60°	25885.5	91.3
0°-90°	28365.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28365.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21099	21099	21099	21099	21099	
5°	21054	20481	20252	20475	20678	###
15°	20489	19928	20596	19764	19143	5769
25°	19070	19130	15153	11885	9313	8779
35°	17064	15522	6285	2103	1701	10647
45°	14338	10295	1462	1108	902	11087
55°	10999	2837	896	758	675	9788
65°	6759	836	668	628	584	6677
75°	2595	528	502	436	400	2810
85°	366	287	246	226	225	446
90°	0	0	0	0	0	



TEST NUMBER: P730808

CATALOG NUMBER: HBLED-LD5-30HE-N-CL-WG-UNV-L735

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	21099.3	21099.3	21099.3	21099.3	21099.3
2.5°	21214.5	20928.6	20709.7	20587.4	20637.1
5°	21053.8	20480.7	20251.8	20475.1	20678.4
7.5°	20914.4	20062.7	20321.5	20341.4	20448.0
10°	20843.4	20022.9	20116.7	20558.9	21149.0
12.5°	20749.6	20115.3	20148.0	20750.9	21083.6
15°	20489.3	19927.6	20595.9	19764.1	19142.6
17.5°	20109.6	19489.6	20408.2	17508.8	16664.2
20°	19744.1	19013.3	18845.5	15596.2	14781.4
22.5°	19508.1	18940.8	16834.9	13897.0	13055.1
25°	19070.2	19129.8	15152.6	11884.8	9312.6
27.5°	18588.1	18684.8	13665.2	7926.2	5335.2
30°	18059.1	18170.1	12265.9	4683.9	3196.7
32.5°	17580.0	16954.2	9796.0	2922.2	2222.5
35°	17063.8	15522.3	6285.1	2103.1	1700.7
37.5°	16413.9	14017.8	3978.7	1663.7	1427.7
40°	15776.9	12667.0	2562.4	1420.5	1245.7
42.5°	15181.0	11553.6	1864.2	1241.4	1124.8
45°	14337.9	10295.1	1461.8	1107.7	901.5
47.5°	13608.3	8819.2	1278.3	937.1	777.9
50°	12830.5	6743.1	1157.5	833.3	773.6
52.5°	11907.6	4410.9	1069.3	797.7	722.3
55°	10999.0	2836.9	895.8	757.9	675.4
57.5°	10017.8	1798.8	790.7	735.1	705.3
60°	8895.9	1212.9	699.7	696.7	632.8
62.5°	7857.8	996.8	675.4	668.4	598.7
65°	6758.7	836.1	668.4	628.5	584.4
67.5°	5660.9	716.7	604.4	574.4	536.0
70°	4587.3	655.6	581.6	568.8	487.7
72.5°	3483.8	540.3	516.2	482.1	405.3
75°	2595.1	527.5	501.9	436.5	399.6
77.5°	1756.2	486.3	456.5	391.1	361.2
80°	1093.5	446.5	391.1	342.7	305.7
82.5°	649.8	372.6	321.4	283.0	258.8
85°	365.5	287.3	246.0	226.1	224.6
87.5°	78.2	103.8	82.5	78.2	55.4
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)