

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: P730839

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730839
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23762)
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-UNV-L740
Description: 30000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
& DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29719.0 lumens
Efficiency: N/A
Efficacy: 166.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

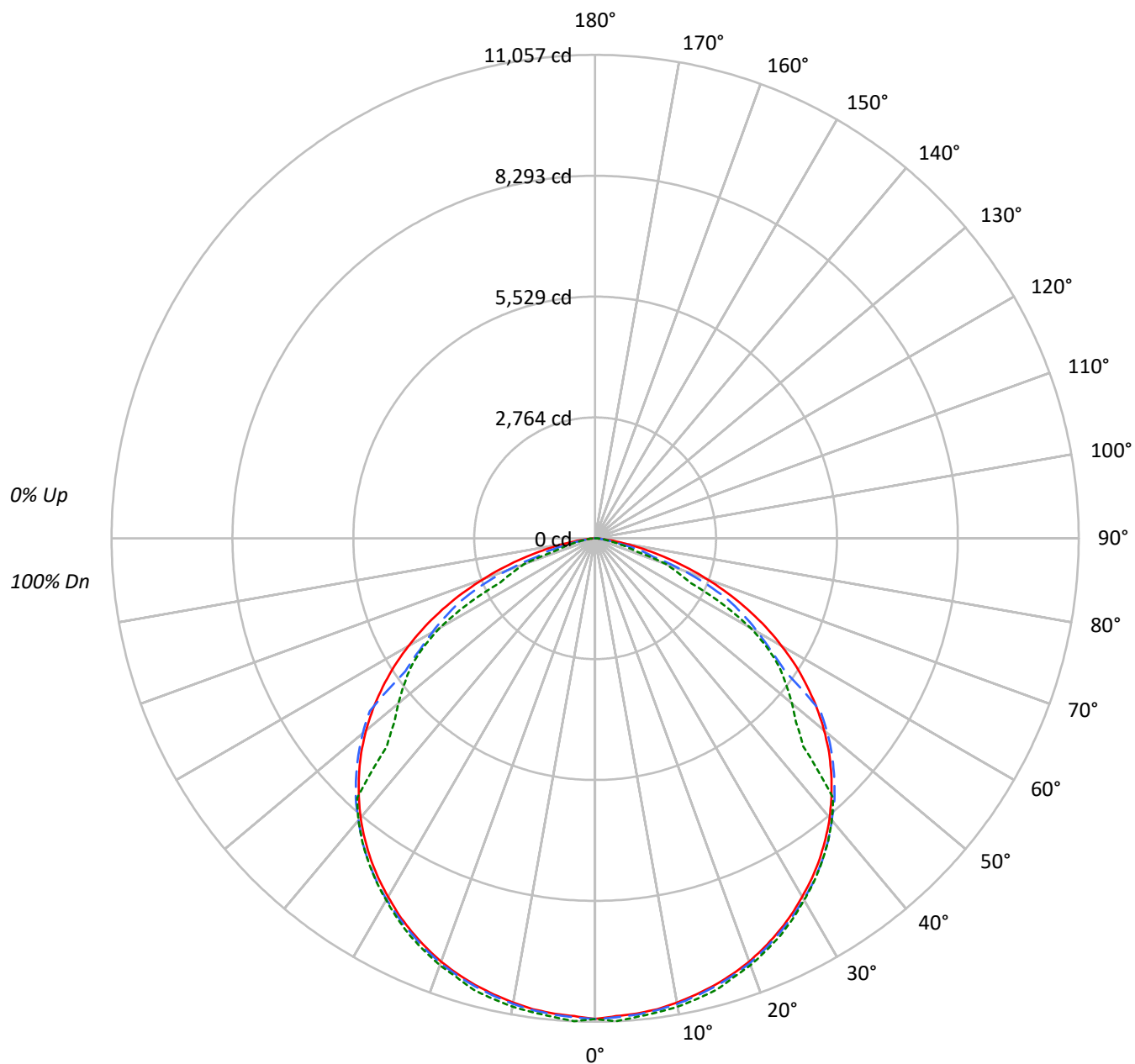
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62		
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46		
6	72	59	50	44	70	58	49	43	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29		
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17749	17749	17749
5°	17685	17724	17810
10°	17683	17733	17836
15°	17682	17735	17878
20°	17704	17770	17853
25°	17684	17750	17858
30°	17650	17780	17820
35°	17642	17803	17816
40°	17587	17742	17742
45°	17436	17647	15376
50°	17167	17426	14753
55°	16680	14916	14491
60°	15897	13866	13239
65°	14701	12871	9169
70°	12801	10016	8170
75°	10112	6722	4392
80°	6509	3211	2737
85°	2679	1960	2156



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1042.8	3.5
10°-20°	3005.6	10.1
20°-30°	4608.1	15.5
30°-40°	5648.0	19.0
40°-50°	5806.5	19.5
50°-60°	4955.6	16.7
60°-70°	3276.2	11.0
70°-80°	1213.8	4.1
80°-90°	162.3	0.5
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°	8656.5	29.1
0°-40°	14304.5	48.1
0°-60°	25066.6	84.3
0°-90°	29719.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29719.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10993	10993	10993	10993	10993	
5°	10911	10988	10935	10978	10989	###
15°	10578	10642	10610	10690	10696	2988
25°	9926	9978	9964	10053	10024	4577
35°	8950	9012	9032	9088	9039	5598
45°	7636	7712	7728	7716	6734	5885
55°	5925	6034	5299	5145	5148	5287
65°	3848	3880	3369	2771	2400	3794
75°	1621	1420	1078	724	704	1739
85°	145	103	106	115	116	239
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10992.9	10992.9	10992.9	10992.9	10992.9
2.5°	10939.4	11007.7	10967.4	11018.3	11057.1
5°	10911.3	10987.6	10935.4	10978.2	10988.9
7.5°	10863.1	10934.0	10885.8	10942.1	10934.0
10°	10785.5	10849.7	10816.3	10875.2	10879.1
12.5°	10686.5	10750.6	10719.9	10792.1	10790.8
15°	10578.0	10642.3	10610.1	10690.5	10695.8
17.5°	10450.8	10509.8	10485.6	10559.3	10529.8
20°	10303.6	10354.4	10342.4	10412.0	10390.6
22.5°	10122.9	10175.1	10163.1	10243.4	10211.2
25°	9926.2	9978.4	9963.6	10053.3	10023.9
27.5°	9713.4	9762.8	9761.5	9845.9	9800.4
30°	9467.1	9532.7	9536.7	9611.6	9558.1
32.5°	9223.5	9285.0	9302.5	9357.4	9311.9
35°	8950.5	9011.9	9032.1	9088.3	9038.8
37.5°	8655.9	8708.1	8744.3	8785.7	8746.9
40°	8344.1	8390.9	8417.8	8468.5	8417.8
42.5°	7996.1	8063.1	8100.5	8136.6	8053.7
45°	7636.0	7712.3	7728.4	7716.3	6733.9
47.5°	7254.6	7337.6	7347.0	6407.4	6226.7
50°	6834.3	6938.7	6937.4	5921.4	5873.3
52.5°	6396.6	6497.0	6493.0	5541.3	5509.2
55°	5925.4	6033.9	5299.0	5145.1	5147.8
57.5°	5444.9	5522.5	4754.3	4760.9	4672.6
60°	4923.0	4996.5	4293.9	4252.4	4099.7
62.5°	4399.6	4430.4	3848.1	3646.0	3355.6
65°	3848.1	3880.2	3369.0	2770.7	2399.9
67.5°	3282.0	3314.1	2796.0	2061.3	2033.1
70°	2711.7	2449.4	2121.6	1717.3	1730.6
72.5°	2149.6	1881.9	1386.7	1330.4	961.0
75°	1620.9	1420.1	1077.5	724.1	704.0
77.5°	1128.4	978.4	576.9	493.9	461.8
80°	700.0	491.2	345.3	306.5	294.4
82.5°	354.7	282.5	187.4	187.4	187.4
85°	144.6	103.1	105.8	115.1	116.4
87.5°	30.7	41.5	50.9	52.2	50.9
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)