

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: P730843

Luminaire Tested: **HBLED-LD5-30HE-W-CL-UNV-L850**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730843
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-L850
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: 28924.0 lumens
Efficiency: N/A
Efficacy: 161.6 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

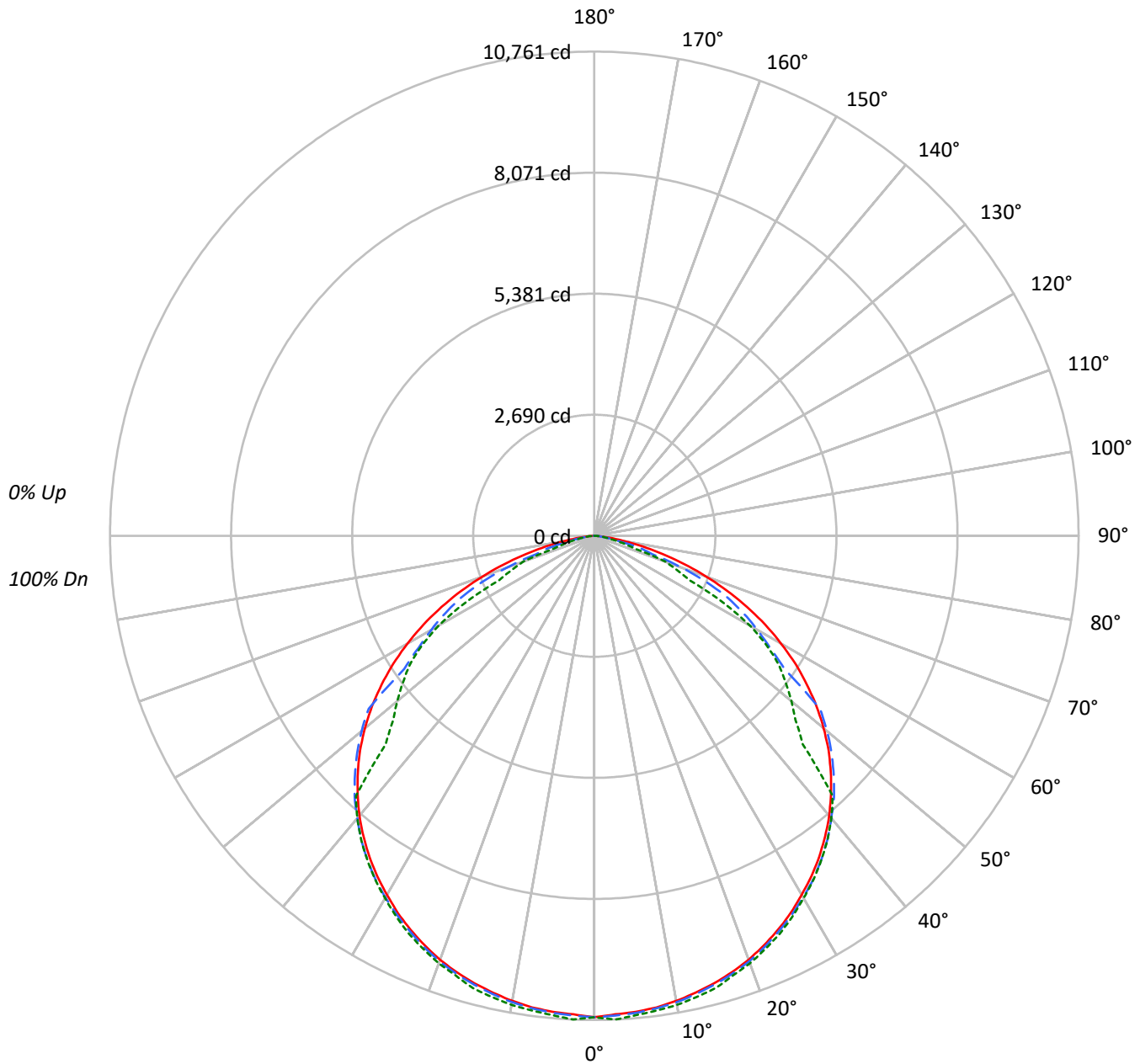
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	17274	17274	17274
5°	17211	17249	17334
10°	17210	17259	17359
15°	17209	17261	17400
20°	17230	17295	17376
25°	17211	17275	17380
30°	17178	17304	17343
35°	17170	17326	17339
40°	17116	17267	17267
45°	16969	17175	14965
50°	16708	16960	14358
55°	16234	14517	14103
60°	15472	13495	12885
65°	14308	12527	8923
70°	12459	9747	7951
75°	9842	6542	4274
80°	6335	3125	2664
85°	2607	1908	2099



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1014.9	3.5
10°-20°	2925.2	10.1
20°-30°	4484.8	15.5
30°-40°	5496.9	19.0
40°-50°	5651.2	19.5
50°-60°	4823.0	16.7
60°-70°	3188.6	11.0
70°-80°	1181.4	4.1
80°-90°	158.0	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°	8425.0	29.1
0°-40°	13921.8	48.1
0°-60°	24396.1	84.3
0°-90°	28924.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28924.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10699	10699	10699	10699	10699	
5°	10619	10694	10643	10684	10695	###
15°	10295	10358	10326	10404	10410	2908
25°	9661	9712	9697	9784	9756	4454
35°	8711	8771	8790	8845	8797	5449
45°	7432	7506	7522	7510	6554	5727
55°	5767	5872	5157	5008	5010	5146
65°	3745	3776	3279	2696	2336	3693
75°	1578	1382	1049	705	685	1692
85°	141	100	103	112	113	233
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10698.9	10698.9	10698.9	10698.9	10698.9
2.5°	10646.7	10713.2	10674.1	10723.6	10761.3
5°	10619.4	10693.7	10642.8	10684.5	10695.0
7.5°	10572.5	10641.5	10594.6	10649.4	10641.5
10°	10497.0	10559.5	10526.9	10584.3	10588.1
12.5°	10400.6	10463.0	10433.1	10503.4	10502.1
15°	10295.0	10357.6	10326.2	10404.5	10409.7
17.5°	10171.3	10228.6	10205.1	10276.8	10248.1
20°	10027.9	10077.5	10065.7	10133.5	10112.6
22.5°	9852.1	9902.9	9891.3	9969.4	9938.0
25°	9660.7	9711.5	9697.1	9784.4	9755.8
27.5°	9453.6	9501.6	9500.3	9582.5	9538.2
30°	9213.8	9277.7	9281.6	9354.5	9302.4
32.5°	8976.8	9036.6	9053.6	9107.1	9062.8
35°	8711.0	8770.9	8790.5	8845.2	8797.0
37.5°	8424.4	8475.2	8510.3	8550.7	8513.0
40°	8120.8	8166.4	8192.6	8242.0	8192.6
42.5°	7782.2	7847.4	7883.8	7919.0	7838.2
45°	7431.7	7506.0	7521.6	7509.9	6553.7
47.5°	7060.5	7141.3	7150.4	6236.0	6060.1
50°	6651.5	6753.1	6751.8	5763.0	5716.2
52.5°	6225.5	6323.2	6319.3	5393.1	5361.9
55°	5766.9	5872.5	5157.2	5007.5	5010.1
57.5°	5299.3	5374.8	4627.2	4633.6	4547.6
60°	4791.3	4862.9	4179.0	4138.6	3990.1
62.5°	4282.0	4311.9	3745.2	3548.4	3265.8
65°	3745.2	3776.4	3278.9	2696.5	2335.7
67.5°	3194.2	3225.4	2721.2	2006.1	1978.7
70°	2639.2	2383.9	2064.8	1671.4	1684.3
72.5°	2092.1	1831.6	1349.6	1294.8	935.3
75°	1577.6	1382.1	1048.7	704.8	685.2
77.5°	1098.2	952.2	561.4	480.7	449.5
80°	681.3	478.1	336.1	298.3	286.5
82.5°	345.2	274.9	182.4	182.4	182.4
85°	140.7	100.3	103.0	112.0	113.3
87.5°	29.9	40.4	49.5	50.8	49.5
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)