

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: P730867

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730867
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2304-003-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30HE-W-UNV-L850
Description: 30000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32067.0 lumens
Efficiency: N/A
Efficacy: 179.1 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.31 / 1.43
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

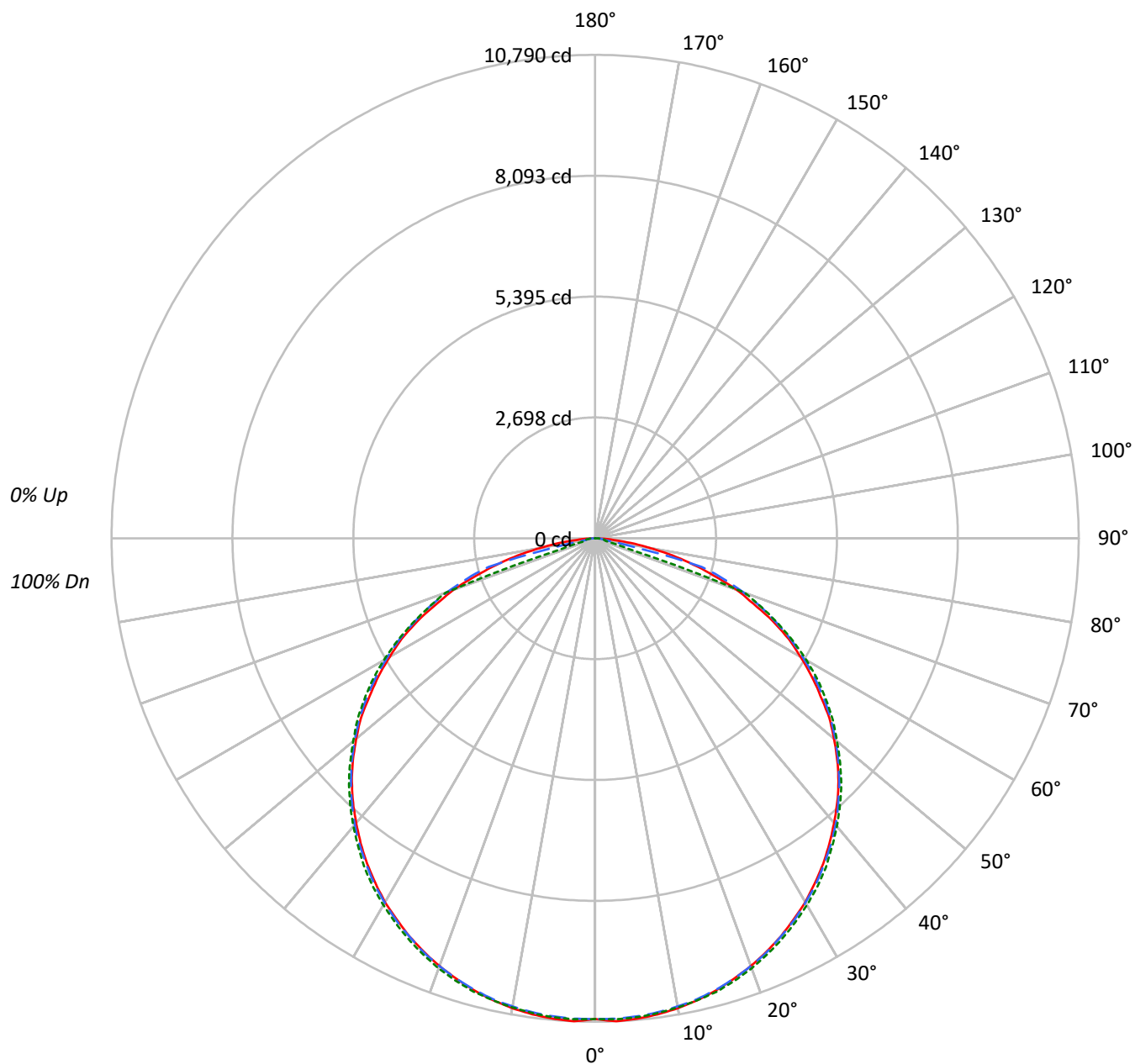
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
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	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85		
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70		
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59		
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50		
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43		
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	37		
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33		
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29		
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26		
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17325	17325	17325
5°	17450	17361	17392
10°	17459	17397	17432
15°	17457	17433	17513
20°	17456	17460	17550
25°	17464	17473	17579
30°	17483	17505	17621
35°	17480	17537	17683
40°	17483	17594	17689
45°	17532	17597	17739
50°	17479	17581	17695
55°	17287	17529	17717
60°	17090	17368	17584
65°	16712	17059	17187
70°	15866	16543	16746
75°	14152	15344	1849
80°	11380	1912	2022
85°	7573	2481	2525



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1019.2	3.2
10°-20°	2944.9	9.2
20°-30°	4524.6	14.1
30°-40°	5570.0	17.4
40°-50°	5938.2	18.5
50°-60°	5551.0	17.3
60°-70°	4394.3	13.7
70°-80°	1869.6	5.8
80°-90°	255.3	0.8
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°	8488.7	26.5
0°-40°	14058.7	43.8
0°-60°	25547.8	79.7
0°-90°	32067.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32067.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10730	10730	10730	10730	10730	
5°	10766	10719	10711	10668	10730	###
15°	10444	10425	10429	10401	10477	2949
25°	9803	9791	9808	9803	9868	4520
35°	8868	8854	8897	8928	8971	5549
45°	7678	7635	7707	7738	7769	5916
55°	6141	6160	6227	6248	6294	5499
65°	4374	4413	4465	4499	4499	4303
75°	2268	2366	2460	402	296	2400
85°	409	122	134	139	136	533
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10730.5	10730.5	10730.5	10730.5	10730.5
2.5°	10790.3	10740.1	10730.5	10687.5	10744.9
5°	10766.4	10718.6	10711.4	10668.4	10730.5
7.5°	10716.2	10677.9	10673.2	10627.7	10689.9
10°	10649.3	10613.4	10611.0	10570.4	10632.5
12.5°	10558.4	10527.4	10536.9	10496.3	10558.4
15°	10443.7	10424.6	10429.3	10400.7	10477.2
17.5°	10305.0	10295.5	10305.0	10283.5	10352.9
20°	10159.2	10147.3	10161.6	10149.7	10214.2
22.5°	9989.5	9975.2	10003.9	9987.1	10046.9
25°	9803.1	9791.1	9807.8	9803.1	9867.6
27.5°	9590.3	9578.4	9614.2	9616.6	9666.8
30°	9377.6	9360.8	9389.5	9401.5	9451.7
32.5°	9124.2	9119.4	9162.4	9172.0	9224.6
35°	8868.4	8854.1	8897.1	8928.2	8971.2
37.5°	8588.7	8586.3	8631.8	8658.1	8679.6
40°	8294.7	8282.8	8347.3	8373.6	8392.7
42.5°	7995.9	7969.6	8031.8	8065.2	8086.7
45°	7678.0	7635.0	7706.7	7737.7	7768.8
47.5°	7329.0	7290.7	7360.1	7393.5	7415.0
50°	6958.5	6922.6	6999.1	7027.8	7044.5
52.5°	6585.6	6549.7	6631.0	6654.9	6695.5
55°	6141.0	6160.1	6227.0	6248.5	6293.9
57.5°	5729.8	5746.5	5811.1	5837.4	5890.0
60°	5292.4	5318.7	5378.4	5404.7	5445.3
62.5°	4869.3	4871.6	4943.4	4955.3	4986.4
65°	4374.4	4412.7	4465.3	4498.7	4498.7
67.5°	3822.3	3915.5	4006.3	3999.2	4018.3
70°	3360.9	3396.8	3504.3	3521.1	3547.4
72.5°	2782.4	2875.7	2995.2	2237.4	760.1
75°	2268.5	2366.5	2459.7	401.6	296.4
77.5°	1761.7	1838.2	817.5	229.5	224.7
80°	1223.9	1345.8	205.6	210.4	217.5
82.5°	805.6	657.4	169.7	186.5	188.8
85°	408.8	121.9	133.9	138.6	136.3
87.5°	133.9	74.1	76.5	78.9	81.3
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)