

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: P730855

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730855
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23766)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30HE-W-CLI-UNV-L850
Description: 30000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29790.0 lumens
Efficiency: N/A
Efficacy: 166.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

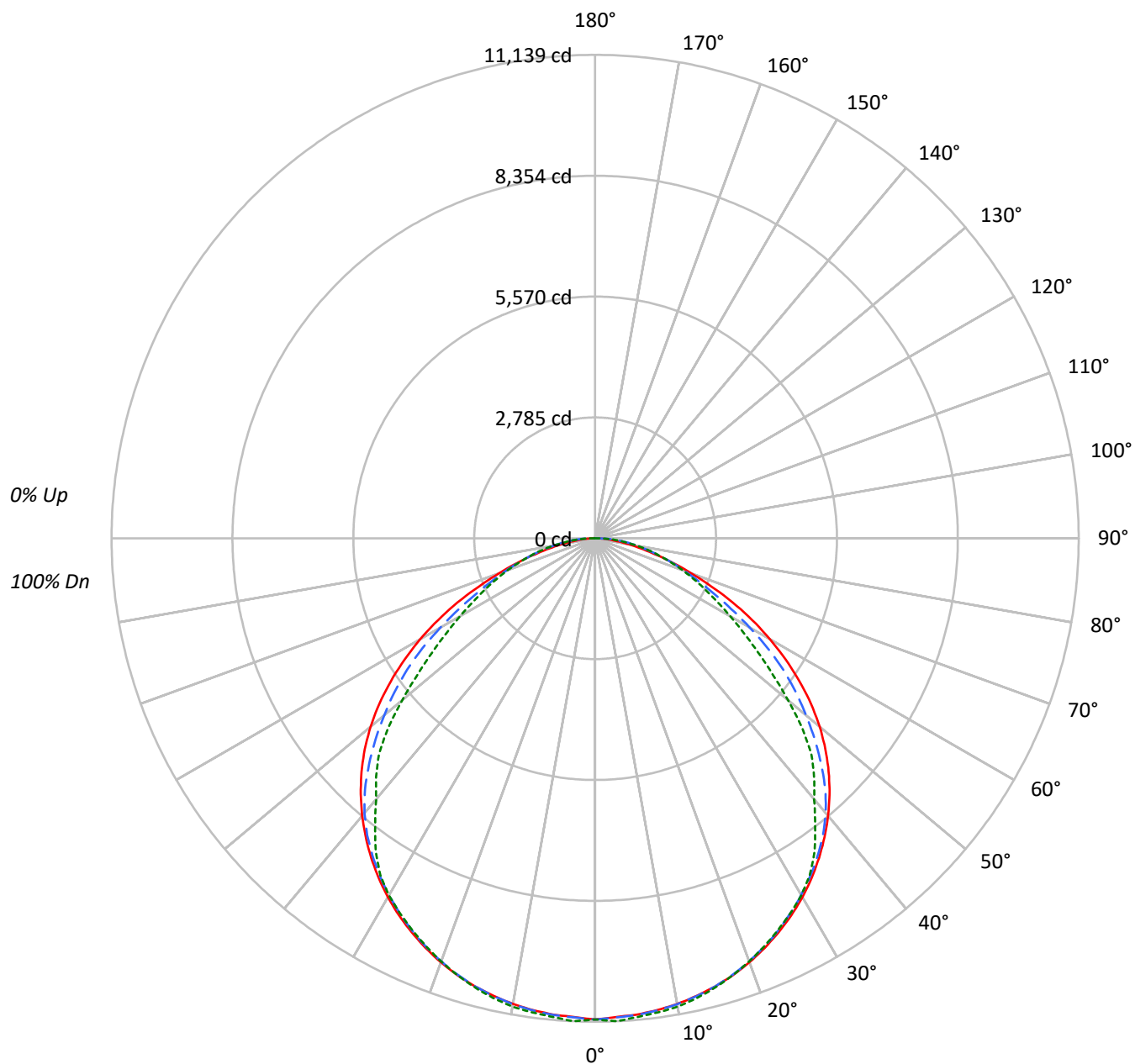
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61		
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17902	17902	17902
5°	17854	17867	17947
10°	17864	17873	17967
15°	17867	17864	17907
20°	17862	17821	17826
25°	17835	17769	17747
30°	17806	17699	17709
35°	17723	17613	17363
40°	17597	17417	16539
45°	17373	16817	16081
50°	16955	15922	14564
55°	16183	14891	12878
60°	15019	13286	11614
65°	13349	11503	10680
70°	11078	10280	10067
75°	8960	9408	9525
80°	7117	8999	8961
85°	5572	9667	9222



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1051.5	3.5
10°-20°	3024.6	10.2
20°-30°	4612.0	15.5
30°-40°	5579.9	18.7
40°-50°	5651.9	19.0
50°-60°	4671.4	15.7
60°-70°	3085.4	10.4
70°-80°	1608.9	5.4
80°-90°	504.4	1.7
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°	8688.2	29.2
0°-40°	14268.0	47.9
0°-60°	24591.4	82.5
0°-90°	29790.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29790.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11088	11088	11088	11088	11088	
5°	11016	11083	11024	11072	11073	###
15°	10689	10743	10687	10721	10713	3018
25°	10011	10051	9974	9999	9962	4616
35°	8992	9004	8936	8924	8809	5624
45°	7608	7589	7365	7136	7043	5859
55°	5749	5664	5290	4776	4575	5124
65°	3494	3393	3011	2815	2795	3451
75°	1436	1462	1508	1528	1527	1565
85°	301	387	522	518	498	365
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11087.9	11087.9	11087.9	11087.9	11087.9
2.5°	11041.5	11106.6	11052.0	11100.0	11138.6
5°	11016.1	11082.7	11024.1	11072.0	11073.4
7.5°	10966.9	11033.5	10973.5	11021.4	11020.1
10°	10896.3	10958.9	10901.6	10958.9	10958.9
12.5°	10800.5	10861.7	10805.9	10859.0	10851.0
15°	10688.7	10743.2	10687.4	10720.7	10712.6
17.5°	10556.9	10606.2	10543.6	10571.5	10555.6
20°	10395.8	10441.1	10371.9	10407.9	10374.5
22.5°	10214.7	10257.3	10186.8	10213.5	10176.1
25°	10011.2	10051.1	9973.9	9999.2	9961.9
27.5°	9791.5	9827.4	9740.9	9771.6	9742.2
30°	9550.6	9567.9	9493.4	9533.3	9498.7
32.5°	9281.7	9292.4	9227.1	9263.0	9204.5
35°	8991.5	9003.5	8935.7	8923.6	8809.2
37.5°	8681.4	8686.7	8622.9	8515.0	8326.0
40°	8348.7	8346.0	8263.5	8014.5	7846.8
42.5°	7993.1	7991.9	7846.8	7563.2	7467.5
45°	7608.5	7588.6	7364.9	7136.0	7042.8
47.5°	7195.9	7174.6	6861.8	6679.5	6467.8
50°	6750.0	6712.7	6338.6	6089.7	5798.3
52.5°	6269.5	6212.2	5831.5	5429.5	5154.0
55°	5749.0	5663.8	5289.8	4776.0	4575.0
57.5°	5207.3	5080.8	4717.4	4216.9	4053.2
60°	4650.9	4509.7	4114.4	3703.1	3596.6
62.5°	4078.4	3938.7	3535.4	3225.3	3166.6
65°	3494.1	3392.9	3010.9	2815.3	2795.4
67.5°	2895.1	2859.2	2567.6	2467.9	2459.9
70°	2346.7	2340.1	2177.7	2127.0	2132.4
72.5°	1875.5	1867.5	1843.6	1818.3	1819.6
75°	1436.3	1461.5	1508.1	1528.0	1526.8
77.5°	1071.5	1123.5	1221.9	1261.9	1255.2
80°	765.4	842.6	967.8	1005.0	963.8
82.5°	509.8	591.0	738.7	744.0	710.8
85°	300.8	387.3	521.8	517.8	497.8
87.5°	149.1	232.9	312.8	299.4	286.2
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)