

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: P730829

Luminaire Tested: **HBLED-LD5-30HE-W-A-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730829
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23761)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30HE-W-A-UNV-L835
Description: 30000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26870.0 lumens
Efficiency: N/A
Efficacy: 150.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.2 / 1.27
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

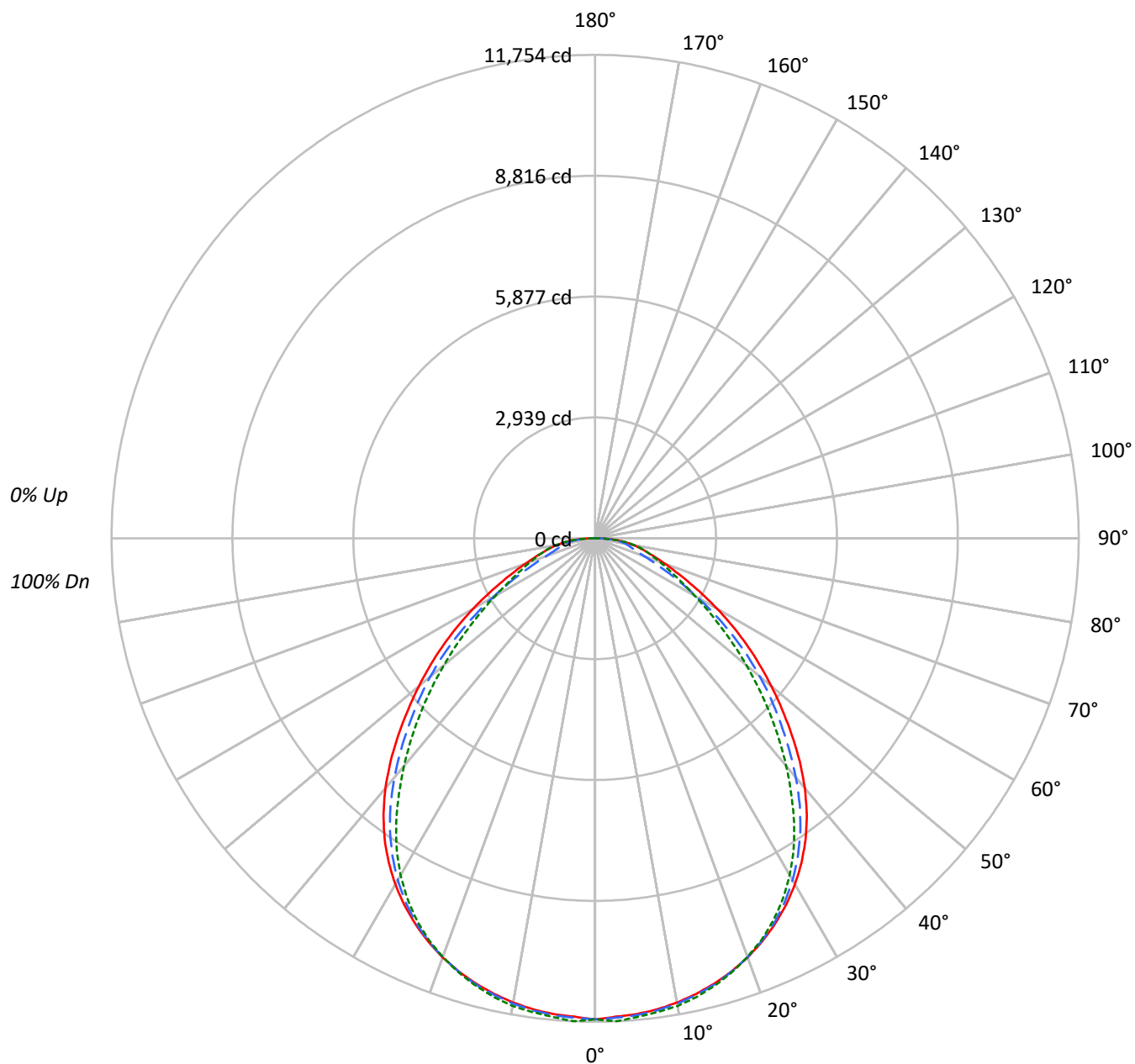
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	93	83	75	70	90	81	75	69	79	73	68	76	71	67	73	69	65	63		
4	85	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57	55		
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49		
6	73	61	52	46	72	60	52	46	58	51	46	56	50	45	55	49	45	43		
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	47	41	36	35		
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18886	18886	18886
5°	18819	18862	18939
10°	18792	18836	18931
15°	18729	18767	18811
20°	18631	18618	18604
25°	18429	18366	18262
30°	18111	17892	17631
35°	17585	17143	16615
40°	16710	15993	15225
45°	15437	14576	13693
50°	14033	13125	12045
55°	12618	11363	10412
60°	11042	9286	9035
65°	9520	7302	8154
70°	8488	5960	7859
75°	8130	5818	8213
80°	8795	6881	9149
85°	9874	8285	9970



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1108.6	4.1
10°-20°	3172.7	11.8
20°-30°	4746.0	17.7
30°-40°	5414.8	20.2
40°-50°	4929.0	18.3
50°-60°	3619.3	13.5
60°-70°	2137.0	8.0
70°-80°	1224.7	4.6
80°-90°	517.8	1.9
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°	9027.3	33.6
0°-40°	14442.1	53.7
0°-60°	22990.4	85.6
0°-90°	26870.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26870.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11697	11697	11697	11697	11697	
5°	11611	11684	11638	11684	11685	###
15°	11205	11267	11227	11267	11254	3162
25°	10345	10382	10309	10305	10251	4762
35°	8922	8878	8697	8548	8429	5558
45°	6761	6721	6383	6097	5997	5210
55°	4482	4275	4037	3744	3699	4009
65°	2492	2175	1911	2045	2134	2508
75°	1303	1117	933	1216	1316	1405
85°	533	492	447	528	538	557
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11696.9	11696.9	11696.9	11696.9	11696.9
2.5°	11642.8	11710.1	11667.9	11714.1	11753.7
5°	11611.3	11683.8	11637.6	11683.8	11685.1
7.5°	11553.2	11620.4	11575.6	11625.8	11620.4
10°	11462.1	11529.4	11488.6	11542.7	11546.6
12.5°	11346.0	11410.7	11368.6	11430.5	11420.0
15°	11204.9	11266.9	11227.3	11266.9	11253.8
17.5°	11038.7	11095.4	11044.0	11087.5	11065.2
20°	10843.5	10890.9	10835.6	10876.4	10827.7
22.5°	10610.0	10652.2	10594.1	10616.5	10566.4
25°	10344.8	10381.7	10309.2	10305.2	10251.1
27.5°	10049.3	10069.2	9976.8	9945.1	9883.1
30°	9714.3	9719.6	9596.9	9537.6	9457.0
32.5°	9338.3	9325.1	9168.1	9079.8	8980.8
35°	8921.5	8877.9	8697.2	8548.2	8429.4
37.5°	8450.6	8382.0	8165.6	7945.3	7831.8
40°	7928.1	7847.7	7587.8	7314.7	7223.7
42.5°	7359.6	7291.0	6985.0	6700.0	6610.3
45°	6760.7	6721.1	6383.4	6097.1	5996.8
47.5°	6161.8	6132.8	5803.0	5511.4	5390.0
50°	5586.7	5523.3	5225.2	4905.9	4795.2
52.5°	5028.6	4899.3	4636.9	4309.7	4228.0
55°	4482.5	4275.4	4036.7	3743.8	3698.9
57.5°	3941.6	3673.8	3441.7	3222.7	3221.4
60°	3419.3	3113.2	2875.7	2760.9	2798.0
62.5°	2929.8	2615.9	2358.6	2366.5	2433.9
65°	2491.9	2175.3	1911.4	2044.7	2134.4
67.5°	2116.0	1813.8	1546.0	1794.1	1879.7
70°	1798.0	1524.9	1262.5	1572.4	1664.8
72.5°	1530.3	1300.7	1064.6	1387.7	1481.4
75°	1303.3	1117.3	932.6	1216.3	1316.5
77.5°	1118.7	953.7	836.4	1052.6	1156.9
80°	945.9	800.8	740.1	894.4	984.0
82.5°	749.2	649.1	613.4	726.8	773.0
85°	533.0	492.0	447.2	527.7	538.2
87.5°	292.8	303.4	250.6	303.4	304.7
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)