

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: P730853

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730853
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-L835
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: 28399.0 lumens
Efficiency: N/A
Efficacy: 158.7 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

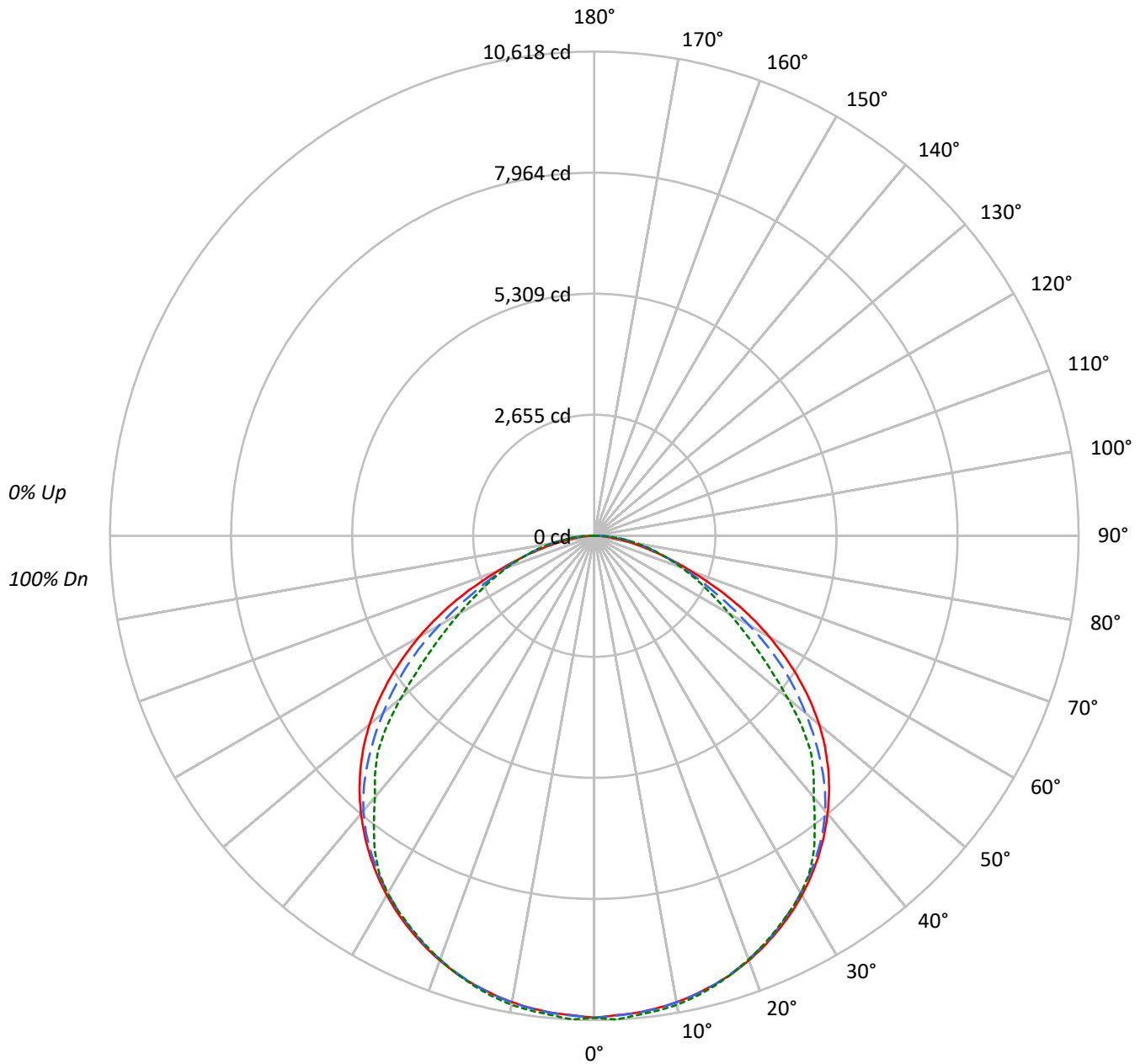
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	17067	17067	17067
5°	17021	17033	17109
10°	17030	17039	17128
15°	17032	17030	17070
20°	17028	16989	16993
25°	17002	16939	16919
30°	16974	16873	16882
35°	16895	16790	16553
40°	16775	16604	15766
45°	16562	16032	15330
50°	16163	15178	13884
55°	15427	14195	12277
60°	14317	12666	11072
65°	12726	10966	10181
70°	10561	9800	9596
75°	8541	8969	9080
80°	6785	8578	8542
85°	5311	9214	8790



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1002.4	3.5
10°-20°	2883.4	10.2
20°-30°	4396.7	15.5
30°-40°	5319.3	18.7
40°-50°	5388.0	19.0
50°-60°	4453.3	15.7
60°-70°	2941.3	10.4
70°-80°	1533.7	5.4
80°-90°	480.8	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°	8282.5	29.2
0°-40°	13601.8	47.9
0°-60°	23443.1	82.5
0°-90°	28399.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28399.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10570	10570	10570	10570	10570	
5°	10502	10565	10509	10555	10556	999
15°	10190	10242	10188	10220	10212	2877
25°	9544	9582	9508	9532	9497	4401
35°	8572	8583	8518	8507	8398	5361
45°	7253	7234	7021	6803	6714	5585
55°	5480	5399	5043	4553	4361	4885
65°	3331	3234	2870	2684	2665	3290
75°	1369	1393	1438	1457	1456	1492
85°	287	369	497	494	474	348
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10570.2	10570.2	10570.2	10570.2	10570.2
2.5°	10525.9	10588.0	10536.0	10581.7	10618.5
5°	10501.7	10565.2	10509.3	10555.1	10556.3
7.5°	10454.9	10518.3	10461.1	10506.8	10505.5
10°	10387.5	10447.2	10392.6	10447.2	10447.2
12.5°	10296.2	10354.5	10301.3	10352.0	10344.3
15°	10189.6	10241.6	10188.4	10220.1	10212.4
17.5°	10064.0	10111.0	10051.2	10077.9	10062.7
20°	9910.4	9953.6	9887.6	9921.9	9890.1
22.5°	9737.8	9778.4	9711.2	9736.6	9701.0
25°	9543.7	9581.8	9508.2	9532.3	9496.8
27.5°	9334.3	9368.5	9286.0	9315.3	9287.3
30°	9104.6	9121.2	9050.1	9088.2	9055.2
32.5°	8848.3	8858.5	8796.2	8830.5	8774.7
35°	8571.6	8583.1	8518.4	8507.0	8397.9
37.5°	8276.0	8281.1	8220.2	8117.4	7937.2
40°	7958.8	7956.3	7877.6	7640.3	7480.4
42.5°	7619.9	7618.8	7480.4	7210.1	7118.8
45°	7253.2	7234.3	7021.0	6802.8	6713.9
47.5°	6859.9	6839.6	6541.4	6367.6	6165.8
50°	6434.8	6399.3	6042.7	5805.3	5527.5
52.5°	5976.7	5922.1	5559.2	5176.0	4913.3
55°	5480.5	5399.3	5042.8	4553.0	4361.4
57.5°	4964.1	4843.6	4497.1	4020.0	3863.9
60°	4433.7	4299.1	3922.3	3530.2	3428.6
62.5°	3888.0	3754.8	3370.3	3074.7	3018.8
65°	3331.0	3234.5	2870.3	2683.8	2664.8
67.5°	2759.9	2725.7	2447.8	2352.6	2345.0
70°	2237.2	2230.8	2076.0	2027.7	2032.8
72.5°	1788.0	1780.3	1757.5	1733.4	1734.6
75°	1369.2	1393.3	1437.7	1456.7	1455.5
77.5°	1021.5	1071.0	1164.9	1202.9	1196.6
80°	729.7	803.3	922.6	958.1	918.7
82.5°	486.0	563.4	704.2	709.3	677.6
85°	286.7	369.2	497.4	493.6	474.5
87.5°	142.1	222.0	298.2	285.5	272.8
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)