

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: P730850

Luminaire Tested: **HBLED-LD5-30HE-W-CLI-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730850
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-L735
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: 29708.0 lumens
Efficiency: N/A
Efficacy: 166.0 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

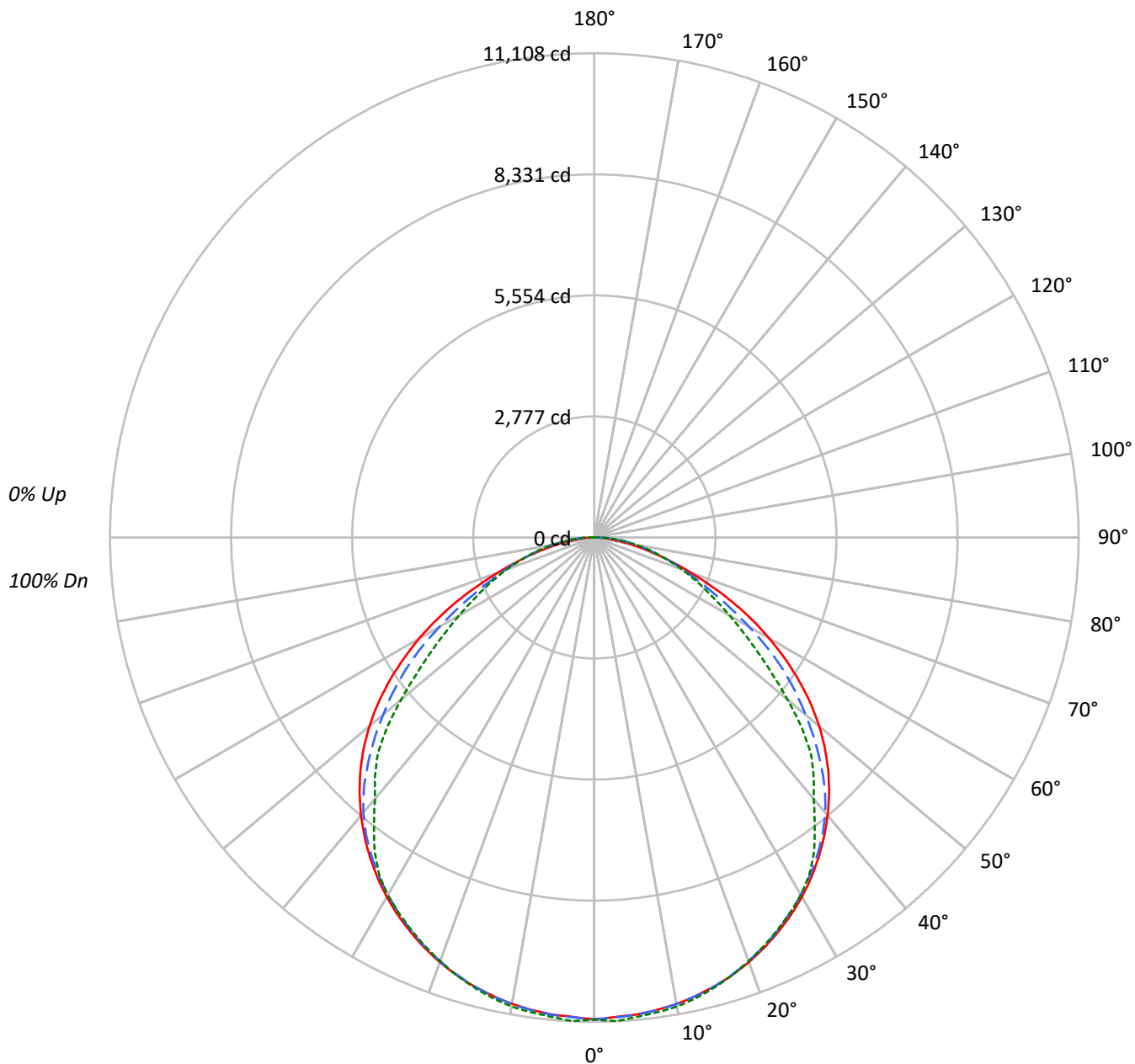
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	17853	17853	17853
5°	17805	17818	17898
10°	17815	17824	17918
15°	17817	17815	17857
20°	17813	17772	17776
25°	17786	17720	17698
30°	17757	17651	17660
35°	17674	17564	17315
40°	17548	17369	16493
45°	17325	16770	16037
50°	16908	15878	14524
55°	16139	14850	12843
60°	14977	13249	11582
65°	13312	11471	10650
70°	11048	10252	10039
75°	8935	9382	9498
80°	7097	8974	8936
85°	5556	9641	9196



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1048.6	3.5
10°-20°	3016.3	10.2
20°-30°	4599.3	15.5
30°-40°	5564.5	18.7
40°-50°	5636.3	19.0
50°-60°	4658.6	15.7
60°-70°	3076.9	10.4
70°-80°	1604.4	5.4
80°-90°	503.0	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°	8664.3	29.2
0°-40°	14228.8	47.9
0°-60°	24523.7	82.5
0°-90°	29708.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29708.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11057	11057	11057	11057	11057	
5°	10986	11052	10994	11042	11043	###
15°	10659	10714	10658	10691	10683	3010
25°	9984	10024	9946	9972	9934	4603
35°	8967	8979	8911	8899	8785	5609
45°	7588	7568	7345	7116	7023	5843
55°	5733	5648	5275	4763	4562	5110
65°	3484	3384	3003	2808	2788	3442
75°	1432	1458	1504	1524	1523	1560
85°	300	386	520	516	496	364
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11057.4	11057.4	11057.4	11057.4	11057.4
2.5°	11011.1	11076.1	11021.6	11069.4	11107.9
5°	10985.8	11052.2	10993.8	11041.6	11042.9
7.5°	10936.8	11003.1	10943.3	10991.1	10989.8
10°	10866.3	10928.8	10871.6	10928.8	10928.8
12.5°	10770.8	10831.8	10776.1	10829.1	10821.1
15°	10659.3	10713.7	10658.0	10691.1	10683.2
17.5°	10527.9	10577.0	10514.5	10542.4	10526.5
20°	10367.2	10412.4	10343.4	10379.2	10345.9
22.5°	10186.6	10229.1	10158.8	10185.4	10148.1
25°	9983.6	10023.5	9946.5	9971.7	9934.5
27.5°	9764.5	9800.4	9714.1	9744.7	9715.4
30°	9524.3	9541.6	9467.3	9507.1	9472.6
32.5°	9256.2	9266.8	9201.7	9237.5	9179.2
35°	8966.7	8978.7	8911.1	8899.1	8784.9
37.5°	8657.5	8662.8	8599.1	8491.5	8303.1
40°	8325.7	8323.0	8240.7	7992.5	7825.2
42.5°	7971.1	7969.9	7825.2	7542.4	7446.9
45°	7587.6	7567.7	7344.6	7116.3	7023.4
47.5°	7176.1	7154.8	6842.9	6661.1	6450.0
50°	6731.4	6694.3	6321.2	6072.9	5782.3
52.5°	6252.2	6195.1	5815.5	5414.6	5139.8
55°	5733.2	5648.2	5275.3	4762.9	4562.4
57.5°	5192.9	5066.8	4704.4	4205.3	4042.0
60°	4638.1	4497.3	4103.0	3693.0	3586.7
62.5°	4067.2	3927.9	3525.7	3216.4	3157.9
65°	3484.5	3383.6	3002.6	2807.5	2787.7
67.5°	2887.2	2851.3	2560.6	2461.1	2453.1
70°	2340.3	2333.6	2171.7	2121.2	2126.5
72.5°	1870.4	1862.4	1838.6	1813.2	1814.6
75°	1432.3	1457.5	1504.0	1523.8	1522.6
77.5°	1068.6	1120.4	1218.6	1258.4	1251.7
80°	763.3	840.3	965.1	1002.3	961.1
82.5°	508.4	589.4	736.7	742.0	708.8
85°	299.9	386.3	520.4	516.4	496.4
87.5°	148.6	232.3	311.9	298.6	285.4
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)