

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: P730866

Luminaire Tested: **HBLED-LD5-30HE-W-UNV-L840**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730866
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-L840
Description: 30000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31450.0 lumens
Efficiency: N/A
Efficacy: 175.7 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

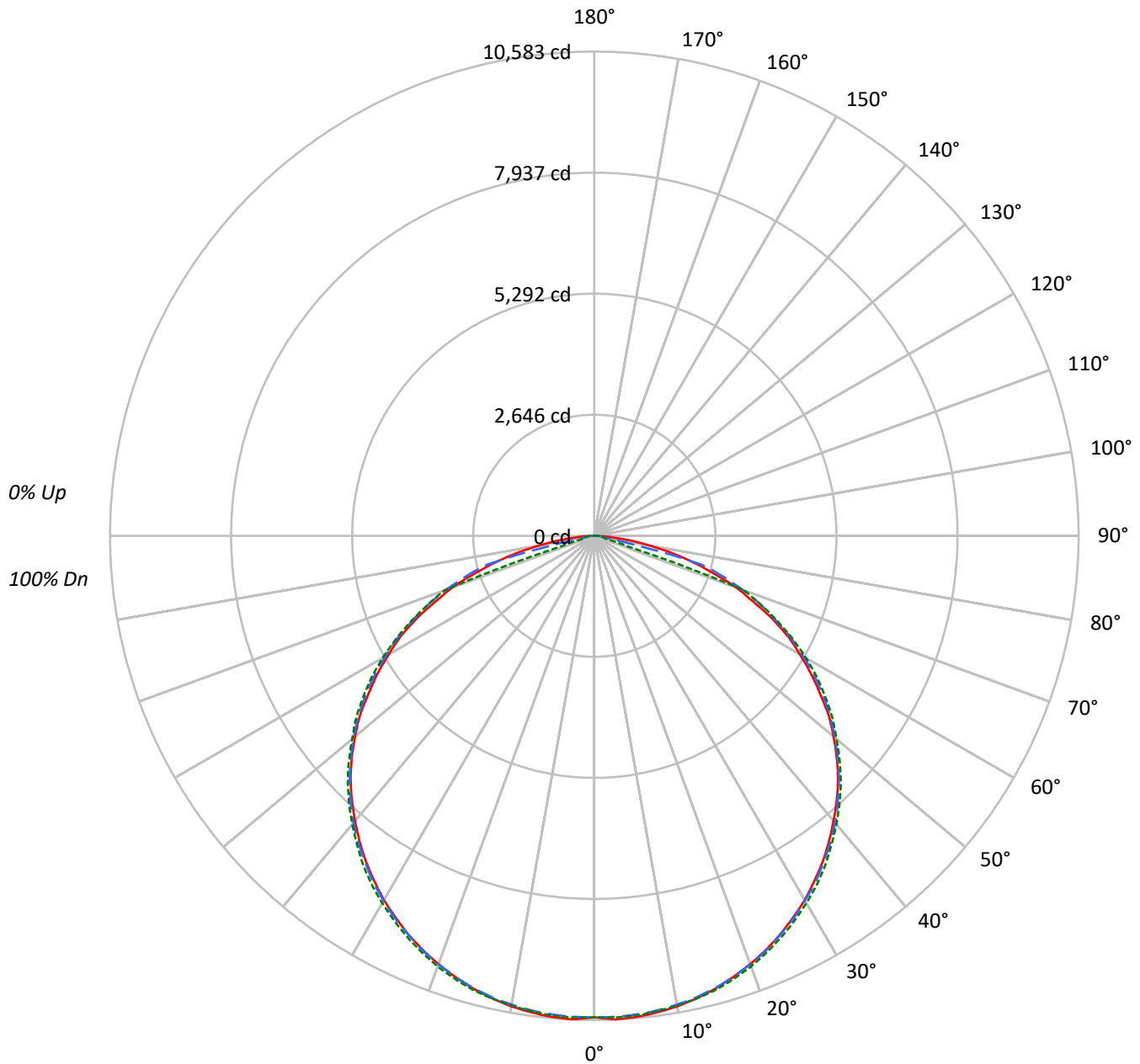
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	16992	16992	16992
5°	17114	17027	17057
10°	17124	17062	17096
15°	17121	17098	17176
20°	17120	17124	17212
25°	17128	17136	17241
30°	17147	17169	17282
35°	17144	17199	17342
40°	17146	17255	17349
45°	17194	17259	17398
50°	17142	17242	17354
55°	16954	17191	17376
60°	16761	17034	17246
65°	16391	16731	16857
70°	15560	16225	16424
75°	13879	15049	1813
80°	11160	1874	1983
85°	7427	2432	2475



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	999.6	3.2
10°-20°	2888.2	9.2
20°-30°	4437.6	14.1
30°-40°	5462.8	17.4
40°-50°	5823.9	18.5
50°-60°	5444.2	17.3
60°-70°	4309.7	13.7
70°-80°	1833.6	5.8
80°-90°	250.4	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°	8325.4	26.5
0°-40°	13788.2	43.8
0°-60°	25056.3	79.7
0°-90°	31450.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31450.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10524	10524	10524	10524	10524	
5°	10559	10512	10505	10463	10524	###
15°	10243	10224	10229	10200	10276	2892
25°	9614	9603	9619	9614	9678	4433
35°	8698	8684	8726	8756	8799	5442
45°	7530	7488	7558	7589	7619	5802
55°	6023	6042	6107	6128	6173	5393
65°	4290	4328	4379	4412	4412	4221
75°	2225	2321	2412	394	291	2354
85°	401	120	131	136	134	523
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10524.1	10524.1	10524.1	10524.1	10524.1
2.5°	10582.7	10533.4	10524.1	10481.9	10538.1
5°	10559.2	10512.3	10505.3	10463.1	10524.1
7.5°	10510.0	10472.5	10467.8	10423.3	10484.2
10°	10444.4	10409.2	10406.8	10367.0	10427.9
12.5°	10355.3	10324.8	10334.2	10294.3	10355.3
15°	10242.7	10224.0	10228.7	10200.5	10275.6
17.5°	10106.8	10097.4	10106.8	10085.7	10153.7
20°	9963.8	9952.0	9966.1	9954.4	10017.7
22.5°	9797.3	9783.2	9811.4	9795.0	9853.6
25°	9614.4	9602.7	9619.1	9614.4	9677.7
27.5°	9405.8	9394.1	9429.2	9431.6	9480.8
30°	9197.1	9180.7	9208.9	9220.6	9269.8
32.5°	8948.6	8943.9	8986.1	8995.5	9047.1
35°	8697.8	8683.7	8725.9	8756.4	8798.6
37.5°	8423.5	8421.1	8465.7	8491.5	8512.6
40°	8135.1	8123.4	8186.7	8212.5	8231.2
42.5°	7842.1	7816.3	7877.2	7910.0	7931.1
45°	7530.3	7488.1	7558.4	7588.9	7619.3
47.5°	7188.0	7150.5	7218.4	7251.3	7272.4
50°	6824.6	6789.4	6864.4	6892.6	6909.0
52.5°	6458.9	6423.7	6503.4	6526.8	6566.7
55°	6022.8	6041.6	6107.2	6128.3	6172.8
57.5°	5619.6	5636.0	5699.3	5725.1	5776.6
60°	5190.5	5216.3	5274.9	5300.7	5340.6
62.5°	4775.6	4777.9	4848.2	4860.0	4890.4
65°	4290.3	4327.8	4379.4	4412.2	4412.2
67.5°	3748.7	3840.1	3929.2	3922.2	3941.0
70°	3296.2	3331.4	3436.9	3453.3	3479.1
72.5°	2728.9	2820.3	2937.5	2194.4	745.5
75°	2224.8	2321.0	2412.4	393.9	290.7
77.5°	1727.8	1802.9	801.8	225.1	220.4
80°	1200.3	1319.9	201.6	206.3	213.3
82.5°	790.1	644.7	166.5	182.9	185.2
85°	400.9	119.6	131.3	136.0	133.6
87.5°	131.3	72.7	75.0	77.4	79.7
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)