

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: P730870

Luminaire Tested: **HBLED-LD5-30HE-W-WG-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730870
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33336)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30HE-W-WG-UNV-L750
Description: 30000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND WIREGUARD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31954.0 lumens
Efficiency: N/A
Efficacy: 178.5 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.31 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

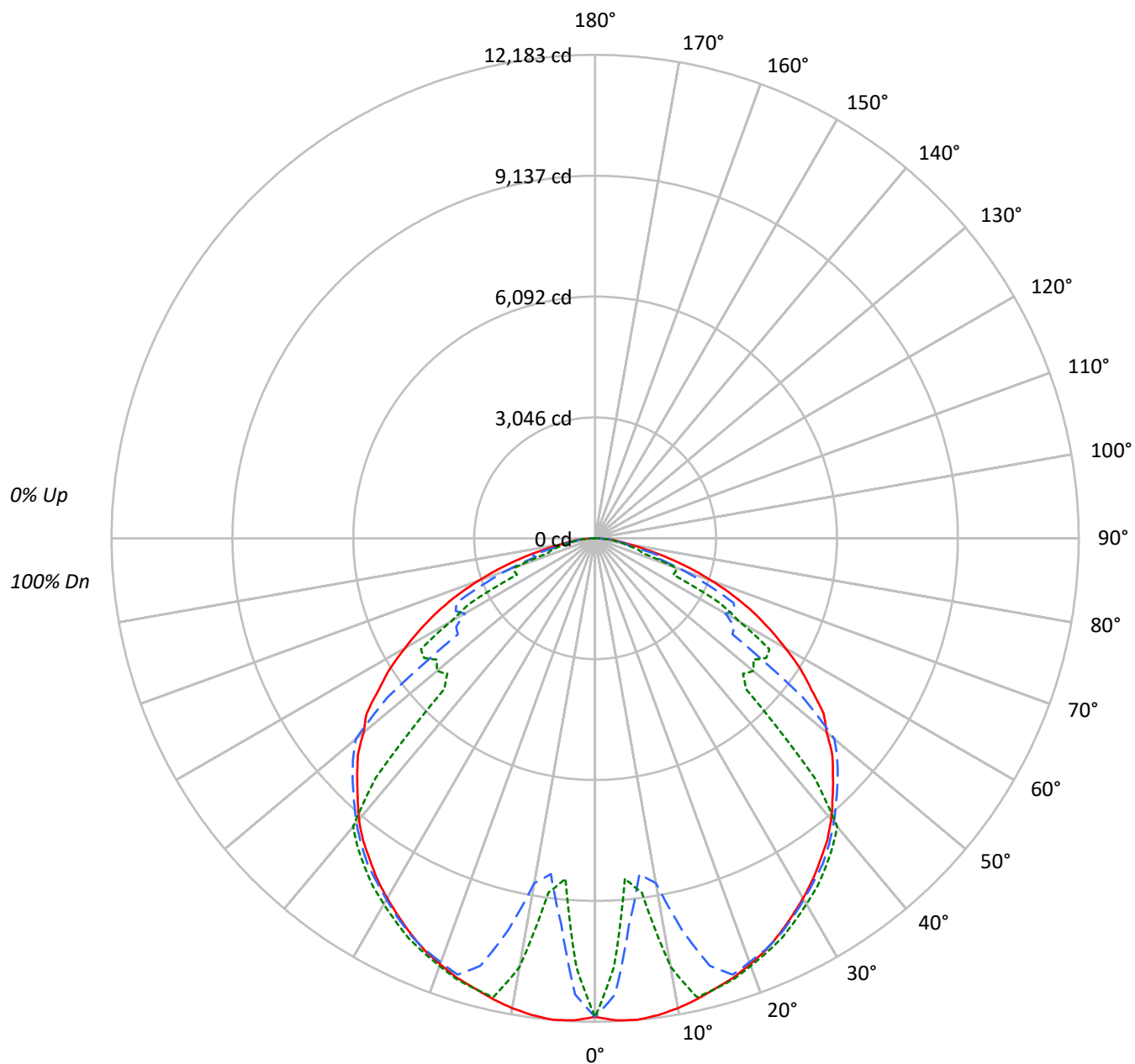
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19475	19475	19475
5°	19745	15863	13950
10°	19711	14467	17992
15°	19624	18645	19641
20°	19624	19535	19708
25°	19589	19632	19813
30°	19532	19597	19849
35°	19501	19717	19948
40°	19504	19716	19999
45°	19351	19729	12261
50°	19132	19769	13067
55°	18728	11887	14810
60°	17865	12253	13562
65°	16739	14712	8298
70°	14782	11146	10172
75°	11778	10131	7054
80°	8113	7321	6062
85°	7773	6758	6412



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	964.5	3.0
10°-20°	3021.7	9.5
20°-30°	4971.3	15.6
30°-40°	6250.7	19.6
40°-50°	6130.4	19.2
50°-60°	5079.3	15.9
60°-70°	3582.6	11.2
70°-80°	1563.0	4.9
80°-90°	390.5	1.2
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°	8957.4	28.0
0°-40°	15208.1	47.6
0°-60°	26417.9	82.7
0°-90°	31954.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31954.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12062	12062	12062	12062	12062	
5°	12183	11339	9787	8874	8607	###
15°	11740	8153	11154	11786	11750	3320
25°	10996	10061	11020	11094	11121	5068
35°	9894	9888	10003	10070	10120	6199
45°	8475	8501	8640	7653	5370	6542
55°	6653	6871	4223	4801	5261	5953
65°	4382	4640	3851	2962	2172	4308
75°	1888	1850	1624	1062	1131	2025
85°	420	374	365	349	346	435
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12061.6	12061.6	12061.6	12061.6	12061.6
2.5°	12161.1	11908.7	11507.8	11003.0	10824.2
5°	12182.8	11339.0	9787.2	8874.2	8607.4
7.5°	12120.8	10304.9	8532.4	8724.1	9006.9
10°	12022.7	9396.3	8823.8	10381.4	10974.1
12.5°	11897.2	8588.7	10108.7	11727.0	11845.2
15°	11739.9	8153.1	11154.4	11786.2	11750.0
17.5°	11607.3	8408.3	11529.4	11667.8	11641.8
20°	11421.2	8917.5	11369.3	11480.4	11470.2
22.5°	11233.7	9520.3	11217.8	11297.2	11297.2
25°	10995.8	10061.2	11020.2	11093.9	11121.3
27.5°	10734.7	10372.6	10773.6	10834.2	10883.2
30°	10476.5	10417.5	10511.2	10589.1	10646.7
32.5°	10204.0	10180.9	10254.4	10336.7	10410.2
35°	9893.8	9888.1	10003.4	10069.8	10120.4
37.5°	9602.5	9582.4	9689.1	9781.4	9820.3
40°	9253.5	9253.5	9354.4	9448.2	9488.7
42.5°	8855.4	8911.8	8989.6	9086.2	8183.3
45°	8474.7	8500.7	8640.5	7652.7	5369.5
47.5°	8108.3	8141.5	8274.3	4919.5	5053.7
50°	7616.6	7766.5	7870.4	4905.2	5202.3
52.5°	7257.5	7322.3	6606.9	4856.1	5023.4
55°	6653.2	6870.9	4222.9	4801.3	5261.3
57.5°	6136.8	6295.5	4152.3	4919.5	5205.1
60°	5532.5	5774.8	3794.5	4746.5	4199.8
62.5°	4952.7	5183.4	3961.9	3735.5	3556.6
65°	4381.5	4639.7	3850.9	2962.4	2172.0
67.5°	3755.6	3514.8	3072.0	2087.0	2196.6
70°	3131.2	2454.8	2361.0	2333.6	2154.7
72.5°	2489.3	1791.3	1567.7	1751.0	1253.3
75°	1888.0	1850.5	1624.0	1061.5	1130.8
77.5°	1309.5	1335.5	869.6	1035.5	859.5
80°	872.6	755.8	787.4	660.5	652.0
82.5°	604.3	617.2	517.7	501.9	509.2
85°	419.6	373.5	364.8	349.1	346.1
87.5°	139.8	163.0	151.5	137.0	145.7
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)