

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: P730869

Luminaire Tested: **HBLED-LD5-30HE-W-WG-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730869
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-L740
Description: 30000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND WIREGUARD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31203.0 lumens
Efficiency: N/A
Efficacy: 174.3 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

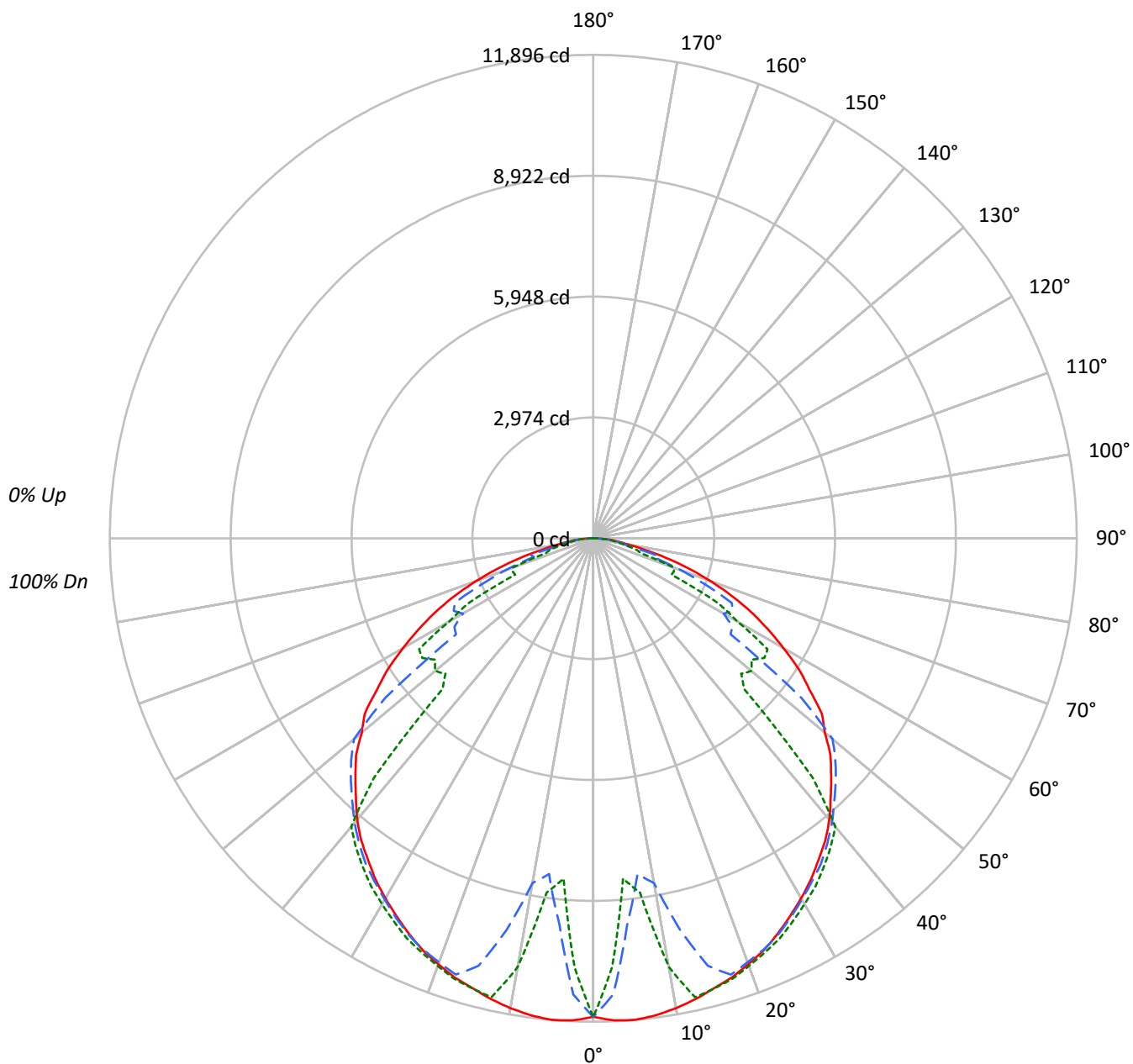
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	19017	19017	19017
5°	19281	15490	13623
10°	19248	14127	17569
15°	19163	18207	19179
20°	19163	19076	19245
25°	19129	19171	19347
30°	19073	19136	19383
35°	19043	19254	19479
40°	19045	19253	19529
45°	18896	19266	11972
50°	18682	19305	12760
55°	18288	11608	14462
60°	17446	11965	13243
65°	16346	14366	8103
70°	14434	10884	9933
75°	11501	9893	6888
80°	7923	7149	5919
85°	7592	6601	6262



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	941.8	3.0
10°-20°	2950.6	9.5
20°-30°	4854.4	15.6
30°-40°	6103.8	19.6
40°-50°	5986.3	19.2
50°-60°	4960.0	15.9
60°-70°	3498.4	11.2
70°-80°	1526.3	4.9
80°-90°	381.3	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°	8746.9	28.0
0°-40°	14850.7	47.6
0°-60°	25797.0	82.7
0°-90°	31203.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31203.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11778	11778	11778	11778	11778	
5°	11896	11072	9557	8666	8405	###
15°	11464	7962	10892	11509	11474	3242
25°	10737	9825	10761	10833	10860	4949
35°	9661	9656	9768	9833	9882	6053
45°	8276	8301	8437	7473	5243	6388
55°	6497	6709	4124	4688	5138	5813
65°	4279	4531	3760	2893	2121	4207
75°	1844	1807	1586	1036	1104	1977
85°	410	365	356	341	338	425
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11778.1	11778.1	11778.1	11778.1	11778.1
2.5°	11875.3	11628.8	11237.3	10744.4	10569.8
5°	11896.4	11072.5	9557.1	8665.7	8405.1
7.5°	11835.9	10062.7	8331.9	8519.1	8795.2
10°	11740.1	9175.5	8616.4	10137.4	10716.2
12.5°	11617.6	8386.8	9871.1	11451.4	11566.8
15°	11464.0	7961.5	10892.3	11509.2	11473.9
17.5°	11334.5	8210.7	11258.4	11393.6	11368.2
20°	11152.8	8707.9	11102.1	11210.5	11200.7
22.5°	10969.7	9296.5	10954.2	11031.7	11031.7
25°	10737.4	9824.7	10761.2	10833.1	10859.9
27.5°	10482.4	10128.9	10520.4	10579.5	10627.4
30°	10230.3	10172.6	10264.2	10340.2	10396.5
32.5°	9964.2	9941.7	10013.4	10093.7	10165.5
35°	9661.3	9655.7	9768.3	9833.1	9882.5
37.5°	9376.8	9357.2	9461.3	9551.5	9589.5
40°	9036.1	9036.1	9134.6	9226.1	9265.7
42.5°	8647.3	8702.3	8778.3	8872.6	7991.0
45°	8275.5	8300.9	8437.4	7472.8	5243.3
47.5°	7917.7	7950.1	8079.8	4803.9	4934.9
50°	7437.6	7584.0	7685.4	4789.9	5080.0
52.5°	7086.9	7150.2	6451.7	4742.0	4905.3
55°	6496.8	6709.4	4123.6	4688.5	5137.6
57.5°	5992.6	6147.6	4054.7	4803.9	5082.7
60°	5402.5	5639.1	3705.3	4635.0	4101.1
62.5°	4836.3	5061.6	3868.8	3647.7	3473.0
65°	4278.6	4530.7	3760.4	2892.8	2121.0
67.5°	3667.3	3432.2	2999.8	2037.9	2145.0
70°	3057.6	2397.1	2305.5	2278.8	2104.1
72.5°	2430.8	1749.2	1530.8	1709.8	1223.9
75°	1843.6	1807.0	1585.9	1036.5	1104.2
77.5°	1278.7	1304.1	849.2	1011.1	839.3
80°	852.1	738.0	768.9	645.0	636.6
82.5°	590.1	602.7	505.6	490.1	497.2
85°	409.8	364.8	356.3	340.9	338.0
87.5°	136.5	159.2	147.9	133.8	142.3
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)