

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: P730834

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730834
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23765)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30HE-W-AI-UNV-L750
Description: 30000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29759.0 lumens
Efficiency: N/A
Efficacy: 166.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.16 / 1.26
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

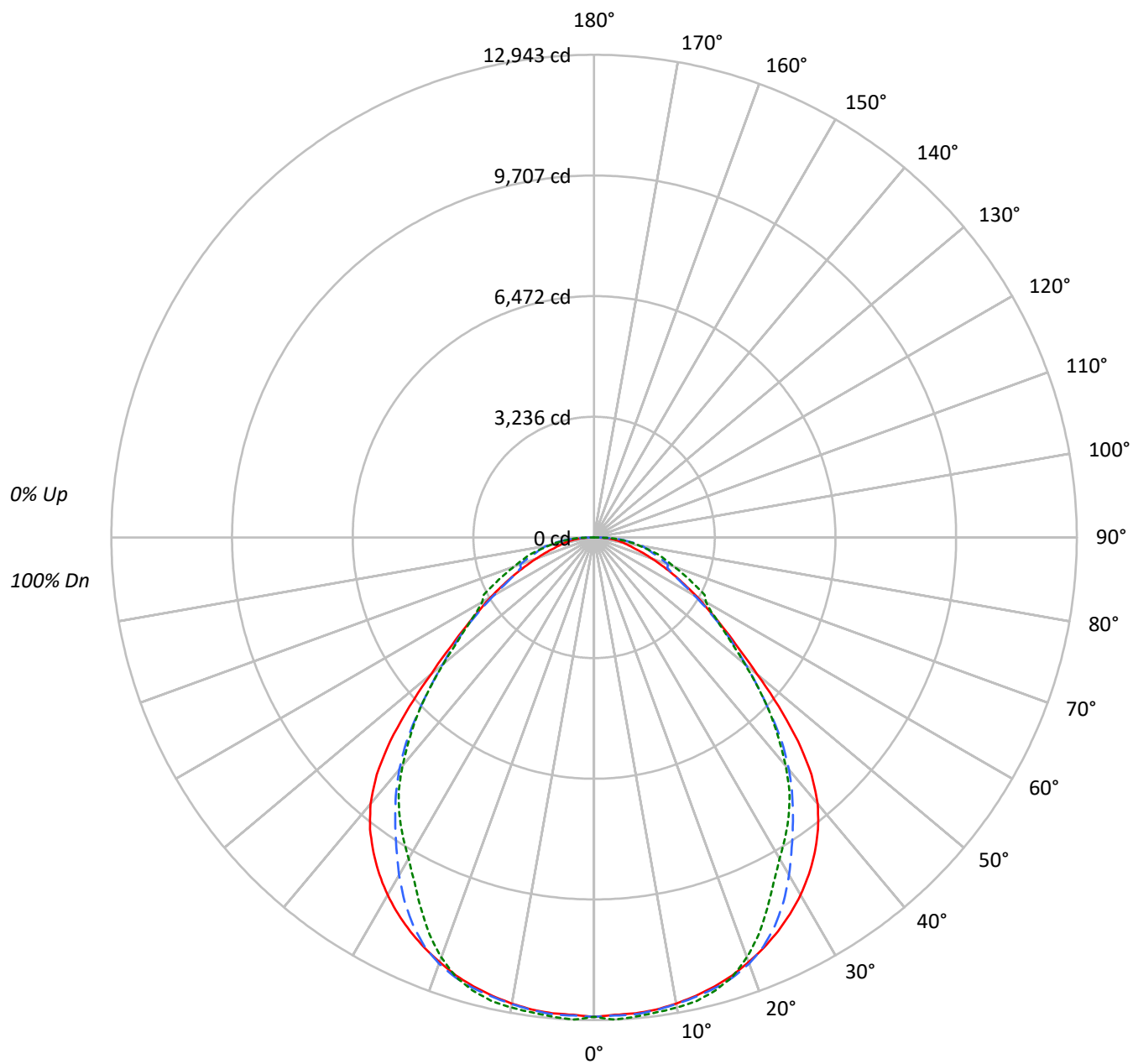
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	63		
4	85	74	66	59	83	73	65	59	70	64	58	68	62	57	66	61	57	55		
5	79	67	58	52	77	66	58	52	64	57	51	62	55	51	60	54	50	48		
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43		
7	68	55	47	41	66	54	47	41	53	46	41	52	45	40	50	44	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	36	46	41	36	34		
9	60	47	39	34	58	46	39	33	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	35	31	42	35	30	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20758	20758	20758
5°	20757	20802	20904
10°	20809	20835	20988
15°	20841	20919	21021
20°	20820	20897	20587
25°	20767	20456	19566
30°	20645	19491	18541
35°	20334	18320	17938
40°	19654	17129	16846
45°	17665	15295	15239
50°	14328	13322	13231
55°	11897	11676	11672
60°	10300	10000	11179
65°	8927	8871	11269
70°	7697	9951	10742
75°	6903	10200	11198
80°	7174	12007	11235
85°	8144	13837	12838



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1224.1	4.1
10°-20°	3535.4	11.9
20°-30°	5250.8	17.6
30°-40°	5961.1	20.0
40°-50°	5329.0	17.9
50°-60°	3684.5	12.4
60°-70°	2431.2	8.2
70°-80°	1640.2	5.5
80°-90°	702.5	2.4
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°	10010.3	33.6
0°-40°	15971.5	53.7
0°-60°	24985.0	84.0
0°-90°	29759.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29759.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12857	12857	12857	12857	12857	
5°	12807	12886	12835	12887	12898	###
15°	12468	12528	12515	12584	12576	3519
25°	11657	11768	11482	11140	10983	5371
35°	10316	10099	9294	9159	9101	6433
45°	7736	7081	6698	6749	6674	5883
55°	4226	3858	4148	4090	4146	3839
65°	2337	2075	2322	2715	2950	2332
75°	1106	1392	1635	1747	1795	1208
85°	440	612	747	751	693	458
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12856.8	12856.8	12856.8	12856.8	12856.8
2.5°	12813.2	12893.2	12833.5	12888.9	12942.7
5°	12807.3	12885.9	12834.9	12887.3	12897.6
7.5°	12770.9	12843.6	12783.9	12834.9	12846.6
10°	12692.2	12778.2	12708.2	12786.9	12801.5
12.5°	12590.4	12677.8	12616.5	12724.3	12730.2
15°	12468.1	12527.8	12514.7	12584.5	12575.8
17.5°	12313.7	12382.3	12372.0	12389.4	12348.7
20°	12117.2	12194.3	12162.3	12082.2	11981.8
22.5°	11906.1	11999.2	11872.7	11670.3	11529.0
25°	11657.1	11767.8	11482.5	11140.4	10983.1
27.5°	11382.0	11481.0	11006.4	10587.1	10424.1
30°	11073.4	11115.5	10454.6	10055.7	9945.0
32.5°	10716.6	10655.5	9864.9	9601.4	9537.4
35°	10316.3	10099.3	9294.3	9158.9	9100.6
37.5°	9864.9	9467.6	8730.9	8668.3	8607.0
40°	9324.9	8738.1	8126.7	8086.0	7992.7
42.5°	8627.5	7944.7	7455.5	7407.4	7324.4
45°	7736.5	7081.3	6698.4	6749.4	6673.7
47.5°	6711.5	6215.1	5972.0	6111.8	5972.0
50°	5704.0	5370.7	5303.8	5430.4	5267.4
52.5°	4878.6	4578.7	4717.1	4738.9	4641.4
55°	4226.3	3858.1	4147.8	4089.5	4146.3
57.5°	3658.6	3246.5	3603.3	3536.3	3731.4
60°	3189.8	2726.9	3096.7	3082.1	3462.0
62.5°	2729.8	2360.0	2656.9	2871.0	3338.3
65°	2336.7	2074.6	2322.1	2715.2	2949.6
67.5°	1959.6	1860.6	2124.1	2342.5	2598.8
70°	1630.5	1681.5	2108.0	2067.3	2275.5
72.5°	1354.0	1527.3	1860.6	1867.9	2014.9
75°	1106.5	1391.9	1635.0	1747.1	1795.1
77.5°	920.1	1262.2	1476.3	1515.6	1469.0
80°	771.6	1112.2	1291.3	1273.9	1208.3
82.5°	623.0	843.0	1017.7	1033.7	956.5
85°	439.6	611.5	746.9	751.3	693.0
87.5°	235.8	377.1	452.8	465.9	430.9
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)