

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: P730871

Luminaire Tested: **HBLED-LD5-30HE-W-WG-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730871
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-L835
Description: 30000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND WIREGUARD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28950.0 lumens
Efficiency: N/A
Efficacy: 161.7 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

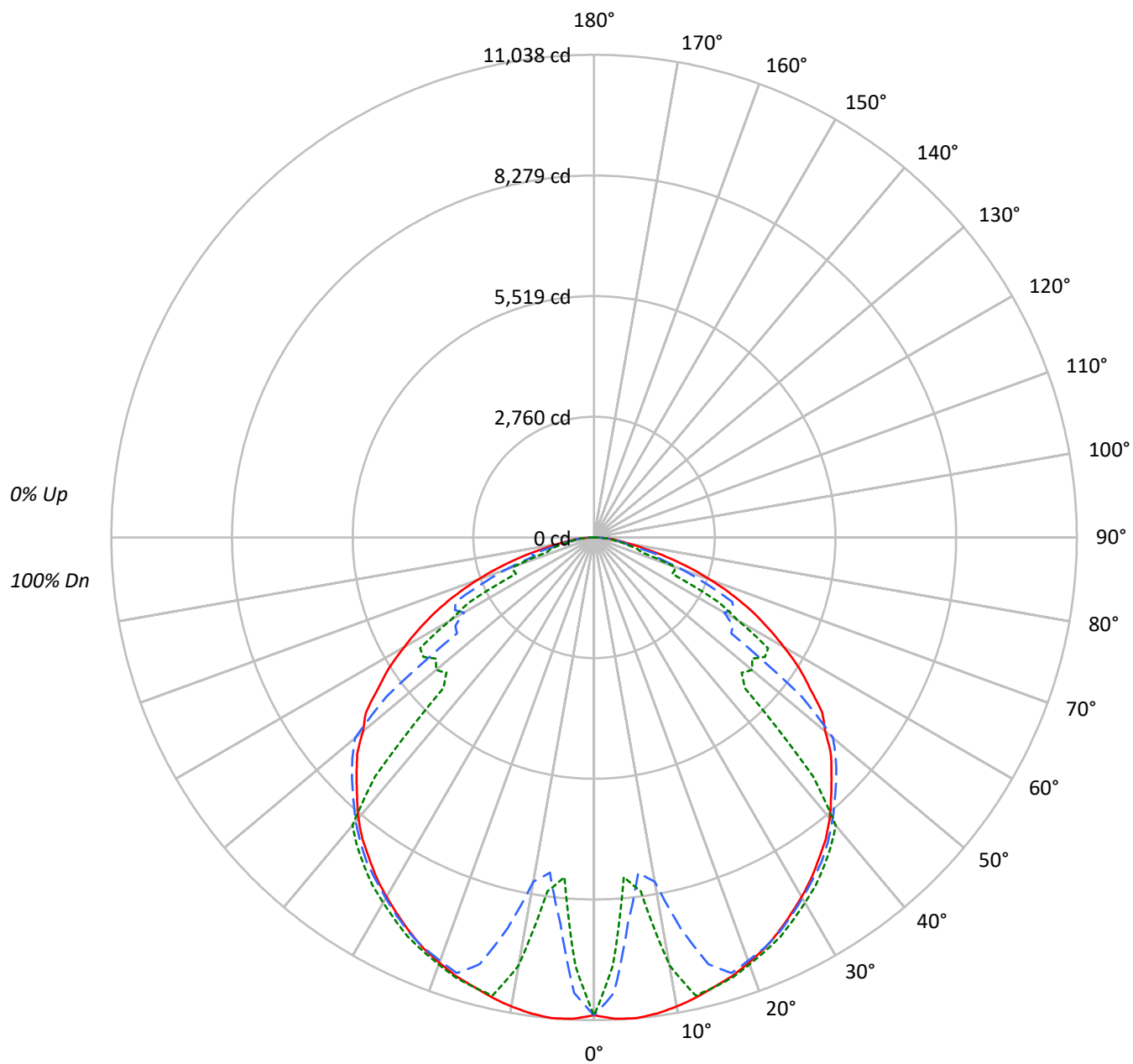
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	17644	17644	17644
5°	17889	14371	12639
10°	17858	13107	16301
15°	17779	16892	17794
20°	17779	17698	17855
25°	17747	17787	17950
30°	17696	17754	17983
35°	17668	17864	18073
40°	17670	17863	18119
45°	17532	17875	11108
50°	17333	17911	11839
55°	16968	10770	13418
60°	16186	11101	12287
65°	15166	13329	7518
70°	13392	10098	9216
75°	10671	9179	6391
80°	7351	6633	5492
85°	7043	6123	5810



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	873.8	3.0
10°-20°	2737.6	9.5
20°-30°	4503.9	15.6
30°-40°	5663.1	19.6
40°-50°	5554.1	19.2
50°-60°	4601.8	15.9
60°-70°	3245.8	11.2
70°-80°	1416.1	4.9
80°-90°	353.8	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°	8115.3	28.0
0°-40°	13778.4	47.6
0°-60°	23934.3	82.7
0°-90°	28950.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28950.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10928	10928	10928	10928	10928	
5°	11038	10273	8867	8040	7798	###
15°	10636	7387	10106	10678	10645	3008
25°	9962	9115	9984	10051	10076	4592
35°	8964	8958	9063	9123	9169	5616
45°	7678	7702	7828	6933	4865	5927
55°	6028	6225	3826	4350	4767	5393
65°	3970	4204	3489	2684	1968	3903
75°	1710	1676	1471	962	1024	1834
85°	380	338	330	316	314	394
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10927.7	10927.7	10927.7	10927.7	10927.7
2.5°	11017.9	10789.2	10425.9	9968.6	9806.6
5°	11037.5	10273.0	8867.1	8040.0	7798.2
7.5°	10981.3	9336.1	7730.3	7904.0	8160.2
10°	10892.4	8513.0	7994.3	9405.4	9942.5
12.5°	10778.7	7781.2	9158.4	10624.5	10731.6
15°	10636.3	7386.7	10105.8	10678.1	10645.4
17.5°	10516.1	7617.9	10445.5	10570.9	10547.4
20°	10347.5	8079.2	10300.5	10401.1	10391.9
22.5°	10177.6	8625.3	10163.2	10235.2	10235.2
25°	9962.1	9115.4	9984.2	10050.9	10075.8
27.5°	9725.5	9397.5	9760.8	9815.6	9860.1
30°	9491.6	9438.1	9523.0	9593.6	9645.8
32.5°	9244.7	9223.8	9290.4	9364.9	9431.5
35°	8963.7	8958.5	9063.0	9123.1	9169.0
37.5°	8699.8	8681.6	8778.2	8861.8	8897.1
40°	8383.6	8383.6	8475.0	8560.0	8596.6
42.5°	8022.9	8074.0	8144.5	8232.0	7414.0
45°	7678.0	7701.5	7828.2	6933.3	4864.7
47.5°	7346.0	7376.1	7496.4	4457.0	4578.6
50°	6900.5	7036.4	7130.5	4444.0	4713.2
52.5°	6575.2	6633.9	5985.8	4399.6	4551.1
55°	6027.7	6224.9	3825.9	4349.9	4766.7
57.5°	5559.9	5703.7	3762.0	4457.0	4715.8
60°	5012.4	5231.9	3437.8	4300.3	3805.0
62.5°	4487.1	4696.1	3589.4	3384.3	3222.2
65°	3969.6	4203.5	3488.8	2683.9	1967.8
67.5°	3402.5	3184.4	2783.2	1890.8	1990.1
70°	2836.8	2224.0	2139.1	2114.2	1952.2
72.5°	2255.3	1622.9	1420.3	1586.3	1135.5
75°	1710.5	1676.5	1471.4	961.7	1024.5
77.5°	1186.4	1210.0	787.9	938.1	778.7
80°	790.6	684.8	713.4	598.4	590.7
82.5°	547.5	559.2	469.1	454.7	461.3
85°	380.2	338.4	330.5	316.3	313.6
87.5°	126.7	147.7	137.3	124.1	132.0
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)