

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: P730945

Luminaire Tested: **HBLED-LD5-30SE-W-WG-UNV-L850**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730945
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-LD5-30SE-W-WG-UNV-L850
Description: 30000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND WIREGUARD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30276.0 lumens
Efficiency: N/A
Efficacy: 159.3 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

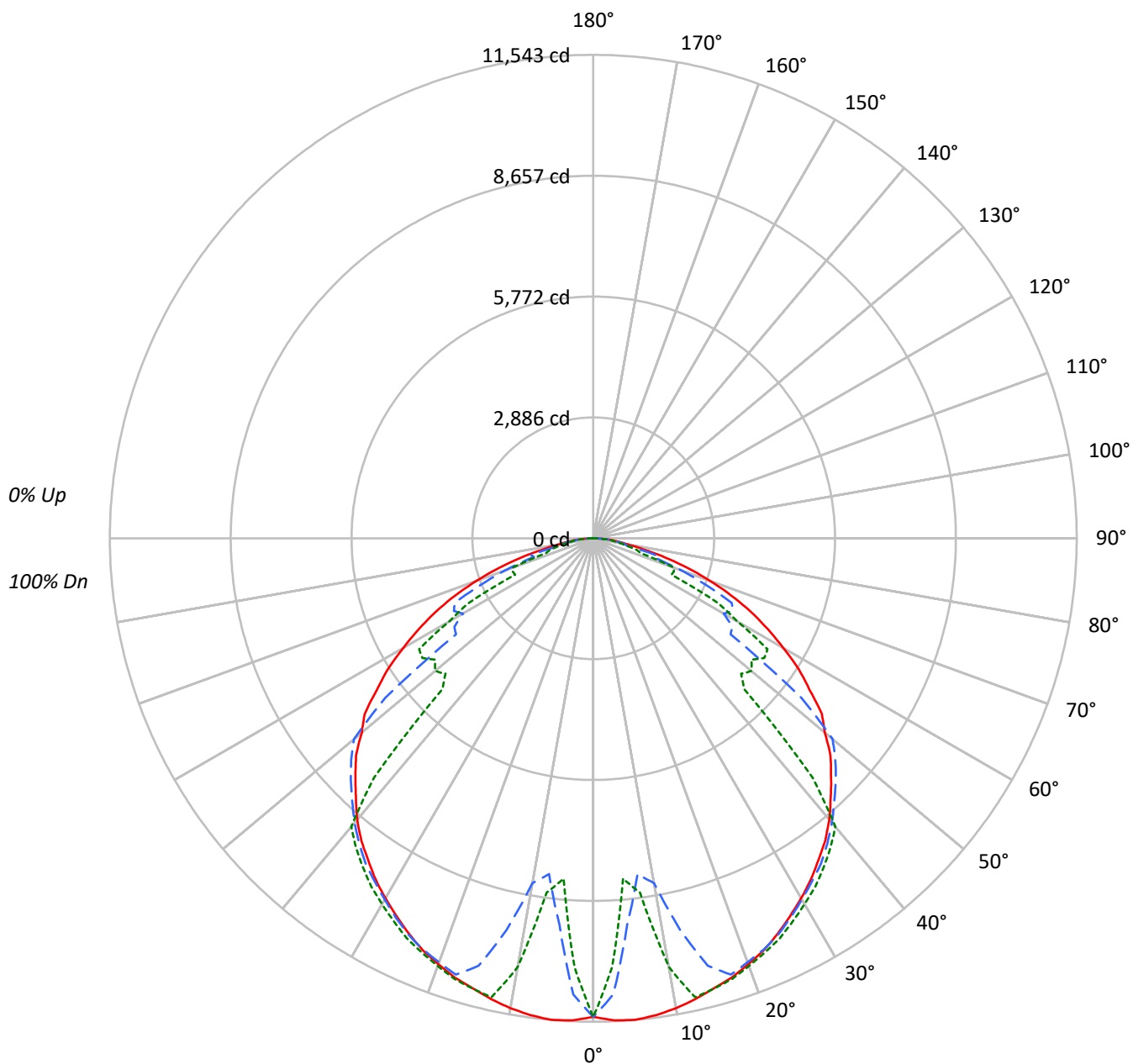
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	18452	18452	18452
5°	18708	15030	13218
10°	18676	13707	17047
15°	18593	17666	18609
20°	18593	18509	18673
25°	18560	18602	18772
30°	18506	18568	18807
35°	18477	18682	18900
40°	18479	18681	18949
45°	18335	18694	11617
50°	18127	18731	12381
55°	17745	11263	14033
60°	16927	11610	12850
65°	15860	13939	7862
70°	14005	10560	9638
75°	11159	9599	6684
80°	7688	6937	5743
85°	7366	6404	6076



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	913.9	3.0
10°-20°	2863.0	9.5
20°-30°	4710.2	15.6
30°-40°	5922.5	19.6
40°-50°	5808.5	19.2
50°-60°	4812.6	15.9
60°-70°	3394.4	11.2
70°-80°	1481.0	4.9
80°-90°	370.0	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°	8487.0	28.0
0°-40°	14409.5	47.6
0°-60°	25030.6	82.7
0°-90°	30276.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30276.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11428	11428	11428	11428	11428	
5°	11543	10744	9273	8408	8155	###
15°	11123	7725	10569	11167	11133	3145
25°	10418	9533	10442	10511	10537	4802
35°	9374	9369	9478	9541	9589	5873
45°	8030	8054	8187	7251	5088	6198
55°	6304	6510	4001	4549	4985	5640
65°	4151	4396	3649	2807	2058	4082
75°	1789	1753	1539	1006	1071	1918
85°	398	354	346	331	328	412
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11428.2	11428.2	11428.2	11428.2	11428.2
2.5°	11522.5	11283.4	10903.5	10425.2	10255.8
5°	11543.0	10743.5	9273.2	8408.2	8155.4
7.5°	11484.3	9763.8	8084.4	8266.0	8533.9
10°	11391.3	8902.9	8360.4	9836.2	10397.9
12.5°	11272.4	8137.6	9577.9	11111.2	11223.2
15°	11123.4	7725.0	10568.7	11167.2	11133.0
17.5°	10997.7	7966.8	10924.0	11055.1	11030.5
20°	10821.4	8449.2	10772.3	10877.5	10867.9
22.5°	10643.8	9020.3	10628.7	10704.0	10704.0
25°	10418.4	9532.9	10441.5	10511.3	10537.3
27.5°	10171.0	9827.9	10207.8	10265.2	10311.7
30°	9926.3	9870.4	9959.2	10033.0	10087.6
32.5°	9668.2	9646.3	9716.0	9793.9	9863.5
35°	9374.3	9368.8	9478.1	9541.0	9588.9
37.5°	9098.2	9079.2	9180.3	9267.7	9304.6
40°	8767.6	8767.6	8863.2	8952.0	8990.4
42.5°	8390.4	8443.8	8517.5	8609.0	7753.6
45°	8029.7	8054.3	8186.8	7250.8	5087.5
47.5°	7682.5	7713.9	7839.8	4661.2	4788.3
50°	7216.6	7358.7	7457.1	4647.6	4929.1
52.5°	6876.4	6937.8	6260.0	4601.1	4759.6
55°	6303.8	6510.1	4001.1	4549.2	4985.0
57.5°	5814.6	5964.9	3934.3	4661.2	4931.7
60°	5242.0	5471.6	3595.2	4497.3	3979.3
62.5°	4692.6	4911.2	3753.8	3539.3	3369.8
65°	4151.4	4396.1	3648.6	2806.8	2057.9
67.5°	3558.4	3330.3	2910.7	1977.4	2081.2
70°	2966.7	2325.9	2237.0	2211.1	2041.6
72.5°	2358.6	1697.2	1485.4	1659.0	1187.5
75°	1788.8	1753.3	1538.8	1005.7	1071.4
77.5°	1240.8	1265.4	824.0	981.1	814.4
80°	826.8	716.1	746.1	625.8	617.7
82.5°	572.6	584.8	490.6	475.5	482.4
85°	397.6	353.9	345.7	330.8	328.0
87.5°	132.5	154.5	143.5	129.8	138.1
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)