

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: P730885

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730885
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33344)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30SE-N-CL-WG-UNV-L850
Description: 30000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS, WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28356.0 lumens
Efficiency: N/A
Efficacy: 149.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.81 / 0.91
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

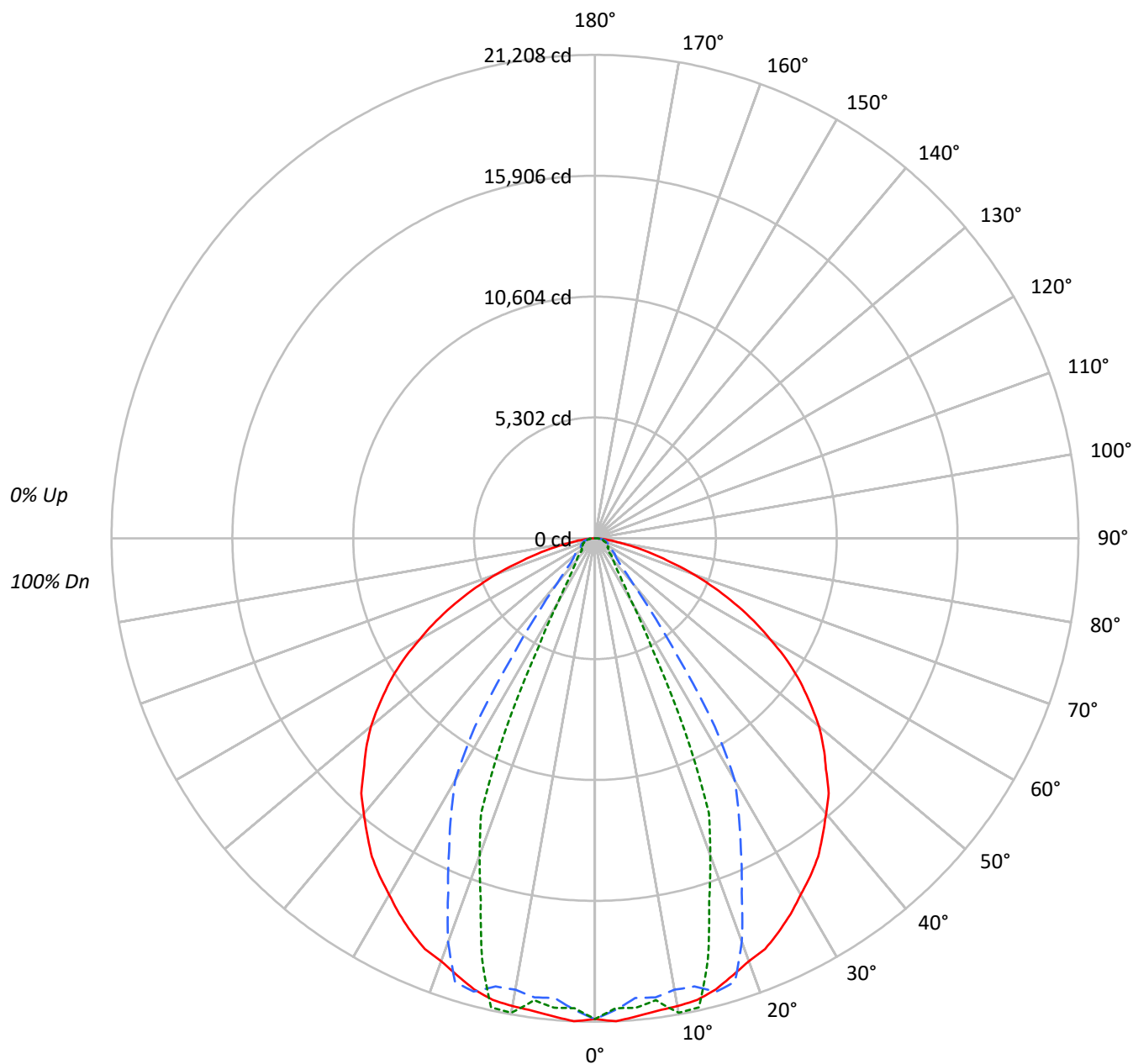
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	108	104	101	109	105	103	100	101	99	97		98	96	94		94
2	104	97	92	88	101	96	91	87	92	88	85		89	86	83		86
3	97	89	82	77	95	87	81	76	84	79	75		82	77	74		79
4	90	81	74	68	88	80	73	68	77	72	67		75	70	66		73
5	85	74	67	62	83	73	66	61	71	65	61		69	64	60		68
6	79	68	61	56	78	68	61	56	66	60	55		64	59	55		63
7	75	63	56	51	73	63	56	51	61	55	50		60	54	50		59
8	70	59	52	47	69	58	51	47	57	51	46		56	50	46		55
9	66	55	48	43	65	54	48	43	53	47	43		52	47	43		52
10	63	52	45	40	62	51	45	40	50	44	40		49	44	40		48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	34056	34056	34056
5°	34112	32813	33504
10°	34162	32971	34663
15°	34238	34416	31988
20°	33914	32370	25389
25°	33963	26986	16585
30°	33658	22861	5958
35°	33623	12384	3351
40°	33242	5399	2625
45°	32728	3337	2058
50°	32218	2906	1943
55°	30952	2521	1901
60°	28717	2258	2043
65°	25813	2552	2232
70°	21649	2745	2301
75°	16183	3130	2492
80°	10165	3635	2841
85°	6769	4555	4161



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1955.0	6.9
10°-20°	5520.5	19.5
20°-30°	6760.0	23.8
30°-40°	5308.6	18.7
40°-50°	3936.7	13.9
50°-60°	2396.6	8.5
60°-70°	1435.6	5.1
70°-80°	787.6	2.8
80°-90°	255.5	0.9
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°	14235.4	50.2
0°-40°	19544.1	68.9
0°-60°	25877.3	91.3
0°-90°	28356.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28356.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21093	21093	21093	21093	21093	
5°	21047	20474	20245	20469	20672	###
15°	20483	19921	20589	19758	19137	5767
25°	19064	19124	15148	11881	9310	8776
35°	17058	15517	6283	2102	1700	10644
45°	14333	10292	1461	1107	901	11084
55°	10996	2836	896	758	675	9785
65°	6756	836	668	628	584	6675
75°	2594	527	502	436	400	2809
85°	365	287	246	226	225	446
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	21092.6	21092.6	21092.6	21092.6	21092.6
2.5°	21207.7	20922.0	20703.2	20580.9	20630.6
5°	21047.1	20474.2	20245.3	20468.6	20671.8
7.5°	20907.8	20056.3	20315.0	20335.0	20441.5
10°	20836.8	20016.5	20110.3	20552.4	21142.3
12.5°	20743.0	20108.9	20141.6	20744.3	21076.9
15°	20482.8	19921.3	20589.4	19757.8	19136.6
17.5°	20103.2	19483.4	20401.7	17503.2	16658.9
20°	19737.8	19007.2	18839.5	15591.3	14776.7
22.5°	19501.9	18934.8	16829.5	13892.5	13051.0
25°	19064.1	19123.8	15147.8	11881.1	9309.6
27.5°	18582.2	18678.9	13660.9	7923.6	5333.5
30°	18053.4	18164.3	12262.0	4682.4	3195.6
32.5°	17574.4	16948.9	9792.9	2921.2	2221.8
35°	17058.4	15517.3	6283.1	2102.5	1700.2
37.5°	16408.7	14013.4	3977.4	1663.2	1427.3
40°	15771.9	12663.0	2561.6	1420.1	1245.3
42.5°	15176.2	11549.9	1863.6	1241.0	1124.5
45°	14333.3	10291.8	1461.4	1107.3	901.2
47.5°	13604.0	8816.4	1277.9	936.8	777.6
50°	12826.4	6740.9	1157.1	833.0	773.4
52.5°	11903.8	4409.5	1068.9	797.5	722.1
55°	10995.5	2836.0	895.5	757.7	675.2
57.5°	10014.6	1798.2	790.4	734.9	705.0
60°	8893.1	1212.5	699.4	696.5	632.6
62.5°	7855.3	996.5	675.2	668.1	598.5
65°	6756.5	835.8	668.1	628.3	584.2
67.5°	5659.1	716.5	604.2	574.2	535.9
70°	4585.9	655.4	581.4	568.6	487.5
72.5°	3482.7	540.1	516.0	481.9	405.2
75°	2594.2	527.3	501.8	436.4	399.5
77.5°	1755.6	486.2	456.3	390.9	361.1
80°	1093.2	446.4	390.9	342.6	305.6
82.5°	649.6	372.4	321.3	282.9	258.7
85°	365.4	287.2	245.9	226.0	224.6
87.5°	78.2	103.8	82.5	78.2	55.4
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)