

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: P730921

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730921
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33385)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30SE-W-CL-WG-UNV-L850
Description: 30000 LUMEN, SE HBLED WITH WIDE 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 / 1.3 / 1.33
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

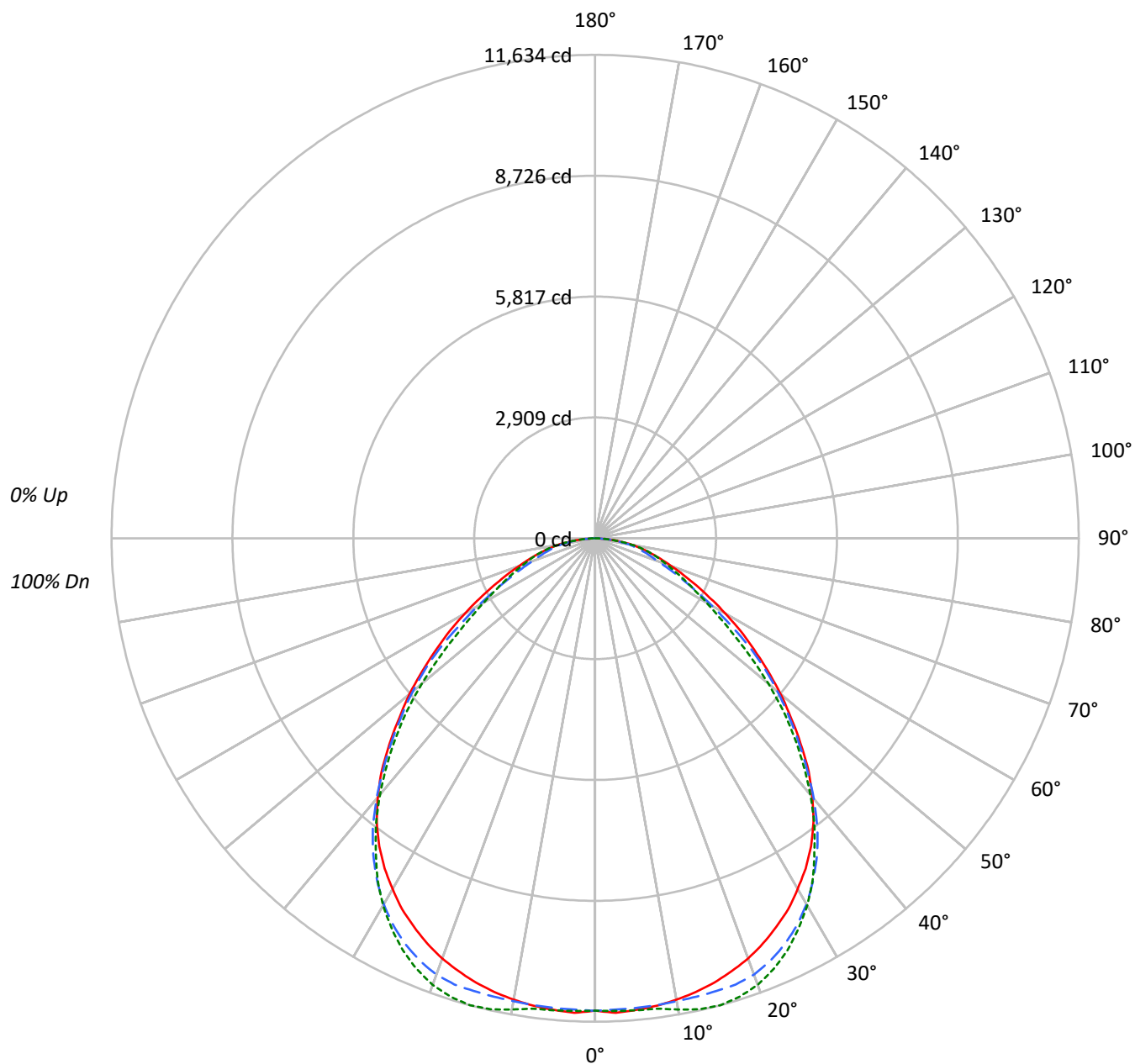
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	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	65	57	52	63	56	51	61	55	50	60	54	50	48		
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44	42		
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	38		
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36	34		
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31		
10	56	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18358	18358	18358
5°	18466	18390	18480
10°	18482	18545	18877
15°	18505	18853	19447
20°	18493	19198	19647
25°	18380	19216	19498
30°	18169	18961	19022
35°	17844	18347	18127
40°	17140	17245	16973
45°	15971	15803	15482
50°	14622	14387	13650
55°	13134	12647	11541
60°	11648	10464	9962
65°	10263	8695	9041
70°	9179	7545	8612
75°	8598	7336	8709
80°	8371	7417	8289
85°	6682	5869	6084



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1083.1	3.8
10°-20°	3190.4	11.3
20°-30°	4908.0	17.3
30°-40°	5727.9	20.2
40°-50°	5322.7	18.8
50°-60°	3945.4	13.9
60°-70°	2411.9	8.5
70°-80°	1373.8	4.8
80°-90°	392.9	1.4
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°	9181.4	32.4
0°-40°	14909.3	52.6
0°-60°	24177.4	85.3
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°	11370	11370	11370	11370	11370	
5°	11393	11341	11346	11338	11402	###
15°	11071	11065	11279	11502	11634	3125
25°	10317	10396	10786	10877	10945	4753
35°	9053	9124	9308	9232	9197	5641
45°	6994	7035	6921	6813	6780	5390
55°	4666	4549	4493	4173	4100	4187
65°	2686	2440	2276	2337	2367	2688
75°	1378	1293	1176	1340	1396	1475
85°	361	352	317	328	328	416
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11370.0	11370.0	11370.0	11370.0	11370.0
2.5°	11431.5	11367.0	11355.2	11328.9	11387.5
5°	11393.4	11340.6	11346.4	11337.7	11402.2
7.5°	11349.4	11311.3	11334.7	11331.8	11416.9
10°	11273.2	11252.6	11311.3	11375.8	11513.7
12.5°	11188.1	11167.6	11296.7	11460.8	11610.4
15°	11070.8	11064.9	11279.0	11501.9	11633.9
17.5°	10924.2	10933.0	11258.4	11449.1	11566.4
20°	10762.9	10777.5	11173.4	11328.9	11434.5
22.5°	10554.7	10604.6	11009.2	11138.2	11220.3
25°	10317.1	10396.2	10786.3	10877.3	10944.7
27.5°	10062.0	10141.1	10510.6	10557.5	10595.8
30°	9745.2	9856.6	10170.4	10176.4	10202.7
32.5°	9422.6	9522.4	9762.8	9736.4	9742.2
35°	9053.1	9123.5	9308.2	9232.0	9196.8
37.5°	8627.9	8666.0	8783.3	8669.0	8663.0
40°	8132.2	8182.1	8182.1	8023.8	8053.1
42.5°	7604.4	7621.9	7548.7	7399.1	7422.5
45°	6994.4	7035.4	6921.0	6812.6	6780.3
47.5°	6390.2	6431.3	6311.1	6185.0	6129.3
50°	5821.4	5800.8	5727.6	5513.4	5434.2
52.5°	5231.9	5167.4	5138.1	4824.3	4733.3
55°	4665.8	4548.6	4492.9	4173.1	4099.8
57.5°	4140.9	3929.8	3824.2	3575.0	3545.6
60°	3607.2	3369.6	3240.6	3079.3	3085.1
62.5°	3123.3	2873.9	2718.6	2671.7	2692.2
65°	2686.3	2439.9	2275.8	2337.3	2366.6
67.5°	2290.4	2088.1	1903.3	2047.0	2076.3
70°	1944.4	1783.1	1598.3	1809.5	1824.2
72.5°	1656.9	1525.0	1369.5	1568.9	1601.2
75°	1378.3	1293.4	1176.0	1340.3	1396.0
77.5°	1134.9	1067.5	1000.0	1099.8	1161.3
80°	900.3	832.9	797.7	850.4	891.5
82.5°	636.4	592.5	557.2	595.3	615.9
85°	360.7	351.9	316.8	328.4	328.4
87.5°	82.1	93.8	105.6	96.8	82.1
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)