

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: P730849

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730849
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-LD5-30HE-W-CL-WG-UNV-L850
Description: 30000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS,
WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28443.0 lumens
Efficiency: N/A
Efficacy: 158.9 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

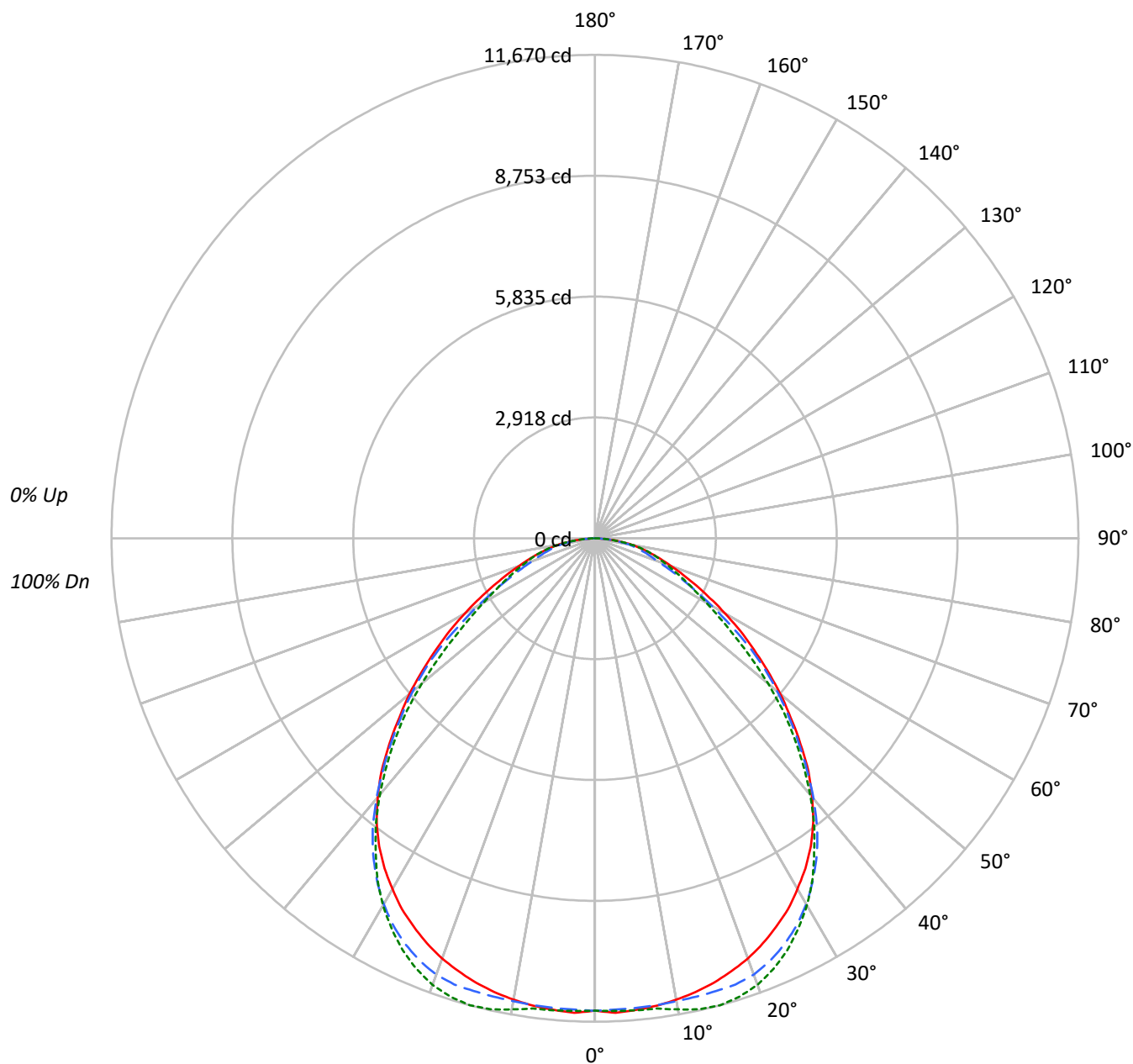
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	18414	18414	18414
5°	18523	18446	18537
10°	18539	18602	18935
15°	18562	18911	19506
20°	18550	19257	19707
25°	18436	19275	19558
30°	18224	19020	19080
35°	17899	18403	18183
40°	17193	17298	17026
45°	16020	15852	15529
50°	14667	14431	13692
55°	13175	12686	11576
60°	11684	10496	9993
65°	10295	8721	9069
70°	9207	7568	8638
75°	8625	7359	8735
80°	8396	7439	8314
85°	6702	5885	6102



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1086.4	3.8
10°-20°	3200.1	11.3
20°-30°	4923.0	17.3
30°-40°	5745.4	20.2
40°-50°	5339.0	18.8
50°-60°	3957.5	13.9
60°-70°	2419.3	8.5
70°-80°	1378.0	4.8
80°-90°	394.1	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°	9209.6	32.4
0°-40°	14955.0	52.6
0°-60°	24251.6	85.3
0°-90°	28443.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28443.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11405	11405	11405	11405	11405	
5°	11428	11375	11381	11372	11437	###
15°	11105	11099	11314	11537	11670	3135
25°	10349	10428	10819	10911	10978	4767
35°	9081	9152	9337	9260	9225	5658
45°	7016	7057	6942	6834	6801	5406
55°	4680	4562	4507	4186	4112	4200
65°	2695	2447	2283	2344	2374	2697
75°	1383	1297	1180	1344	1400	1480
85°	362	353	318	329	329	417
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11404.9	11404.9	11404.9	11404.9	11404.9
2.5°	11466.6	11401.9	11390.1	11363.7	11422.4
5°	11428.4	11375.4	11381.2	11372.5	11437.2
7.5°	11384.2	11346.0	11369.5	11366.5	11451.9
10°	11307.8	11287.1	11346.0	11410.7	11549.0
12.5°	11222.4	11201.9	11331.3	11496.0	11646.1
15°	11104.8	11098.8	11313.6	11537.2	11669.6
17.5°	10957.7	10966.5	11293.0	11484.3	11601.9
20°	10795.9	10810.6	11207.7	11363.7	11469.6
22.5°	10587.1	10637.1	11043.0	11172.4	11254.8
25°	10348.7	10428.1	10819.4	10910.7	10978.2
27.5°	10092.9	10172.3	10542.9	10589.9	10628.3
30°	9775.1	9886.9	10201.6	10207.6	10234.0
32.5°	9451.5	9551.6	9792.8	9766.3	9772.1
35°	9080.9	9151.5	9336.8	9260.4	9225.0
37.5°	8654.4	8692.6	8810.2	8695.6	8689.6
40°	8157.2	8207.2	8207.2	8048.4	8077.8
42.5°	7627.8	7645.3	7571.9	7421.8	7445.3
45°	7015.8	7057.0	6942.3	6833.5	6801.1
47.5°	6409.8	6451.0	6330.4	6204.0	6148.1
50°	5839.2	5818.5	5745.1	5530.3	5450.9
52.5°	5247.9	5183.2	5153.8	4839.1	4747.9
55°	4680.2	4562.5	4506.7	4185.9	4112.4
57.5°	4153.6	3941.9	3836.0	3585.9	3556.4
60°	3618.3	3380.0	3250.5	3088.7	3094.6
62.5°	3132.9	2882.8	2726.9	2679.9	2700.4
65°	2694.6	2447.4	2282.8	2344.5	2373.9
67.5°	2297.5	2094.5	1909.2	2053.3	2082.6
70°	1950.3	1788.6	1603.2	1815.1	1829.7
72.5°	1662.0	1529.7	1373.7	1573.7	1606.1
75°	1382.6	1297.3	1179.6	1344.4	1400.3
77.5°	1138.4	1070.8	1003.1	1103.2	1164.9
80°	903.0	835.5	800.1	853.0	894.2
82.5°	638.3	594.3	558.9	597.1	617.8
85°	361.8	353.0	317.7	329.4	329.4
87.5°	82.4	94.1	105.9	97.1	82.4
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)