

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: P730811

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730811
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-LD5-30HE-N-CL-WG-UNV-L835
Description: 30000 LUMEN, HE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS, WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27115.0 lumens
Efficiency: N/A
Efficacy: 151.5 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

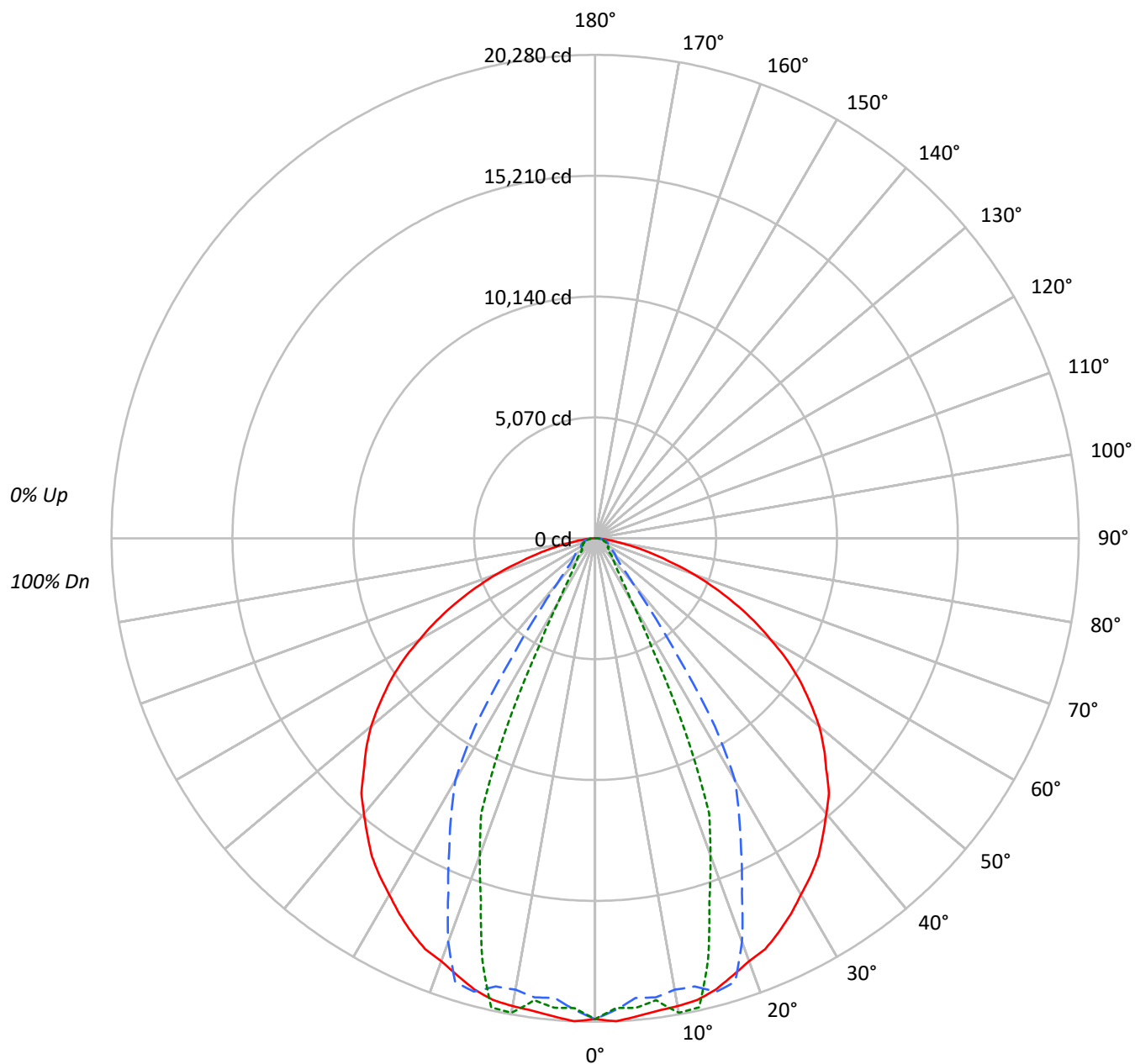
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89		
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	79		
3	97	89	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71		
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	59	58		
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	52	46	43	41		
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	48	43	40	38		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	32565	32565	32565
5°	32619	31377	32038
10°	32667	31528	33146
15°	32740	32910	30588
20°	32429	30954	24278
25°	32476	25805	15859
30°	32185	21860	5697
35°	32151	11842	3205
40°	31787	5163	2510
45°	31296	3191	1968
50°	30808	2779	1858
55°	29597	2410	1817
60°	27461	2160	1953
65°	24683	2441	2134
70°	20701	2625	2201
75°	15475	2993	2383
80°	9719	3476	2717
85°	6473	4355	3977



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1869.4	6.9
10°-20°	5278.9	19.5
20°-30°	6464.1	23.8
30°-40°	5076.3	18.7
40°-50°	3764.4	13.9
50°-60°	2291.7	8.5
60°-70°	1372.8	5.1
70°-80°	753.2	2.8
80°-90°	244.3	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°	13612.4	50.2
0°-40°	18688.7	68.9
0°-60°	24744.8	91.3
0°-90°	27115.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27115.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20170	20170	20170	20170	20170	
5°	20126	19578	19359	19573	19767	###
15°	19586	19049	19688	18893	18299	5515
25°	18230	18287	14485	11361	8902	8392
35°	16312	14838	6008	2010	1626	10178
45°	13706	9841	1397	1059	862	10599
55°	10514	2712	856	724	646	9357
65°	6461	799	639	601	559	6383
75°	2481	504	480	417	382	2686
85°	349	275	235	216	215	426
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	20169.5	20169.5	20169.5	20169.5	20169.5
2.5°	20279.6	20006.4	19797.1	19680.2	19727.7
5°	20126.0	19578.1	19359.3	19572.8	19767.1
7.5°	19992.7	19178.6	19425.9	19445.0	19546.9
10°	19924.8	19140.5	19230.1	19652.9	20217.0
12.5°	19835.2	19228.9	19260.1	19836.4	20154.5
15°	19586.4	19049.4	19688.3	18893.1	18299.1
17.5°	19223.4	18630.7	19508.8	16737.2	15929.8
20°	18874.0	18175.4	18015.0	14908.9	14130.0
22.5°	18648.4	18106.1	16093.0	13284.5	12479.8
25°	18229.8	18286.8	14484.9	11361.1	8902.2
27.5°	17768.9	17861.4	13063.0	7576.9	5100.1
30°	17263.3	17369.4	11725.4	4477.5	3055.8
32.5°	16805.2	16207.1	9364.3	2793.4	2124.6
35°	16311.8	14838.2	6008.1	2010.4	1625.8
37.5°	15690.6	13400.1	3803.3	1590.4	1364.8
40°	15081.6	12108.8	2449.5	1357.9	1190.8
42.5°	14512.0	11044.4	1782.1	1186.7	1075.3
45°	13706.0	9841.4	1397.4	1058.8	861.8
47.5°	13008.7	8430.5	1222.0	895.8	743.6
50°	12265.1	6445.9	1106.5	796.6	739.5
52.5°	11382.9	4216.5	1022.2	762.6	690.5
55°	10514.3	2711.9	856.3	724.5	645.6
57.5°	9576.4	1719.5	755.8	702.7	674.2
60°	8503.9	1159.5	668.8	666.0	604.9
62.5°	7511.5	952.9	645.6	638.9	572.3
65°	6460.8	799.3	638.9	600.8	558.7
67.5°	5411.4	685.1	577.8	549.1	512.4
70°	4385.2	626.7	556.0	543.8	466.2
72.5°	3330.3	516.5	493.4	460.8	387.5
75°	2480.7	504.3	479.8	417.3	382.0
77.5°	1678.8	464.9	436.4	373.8	345.3
80°	1045.3	426.8	373.8	327.6	292.2
82.5°	621.2	356.1	307.2	270.5	247.4
85°	349.4	274.6	235.1	216.2	214.7
87.5°	74.8	99.2	78.8	74.8	53.0
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)