

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: P730841

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730841
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23762)
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-UNV-L835
Description: 30000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
& DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27573.0 lumens
Efficiency: N/A
Efficacy: 154.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

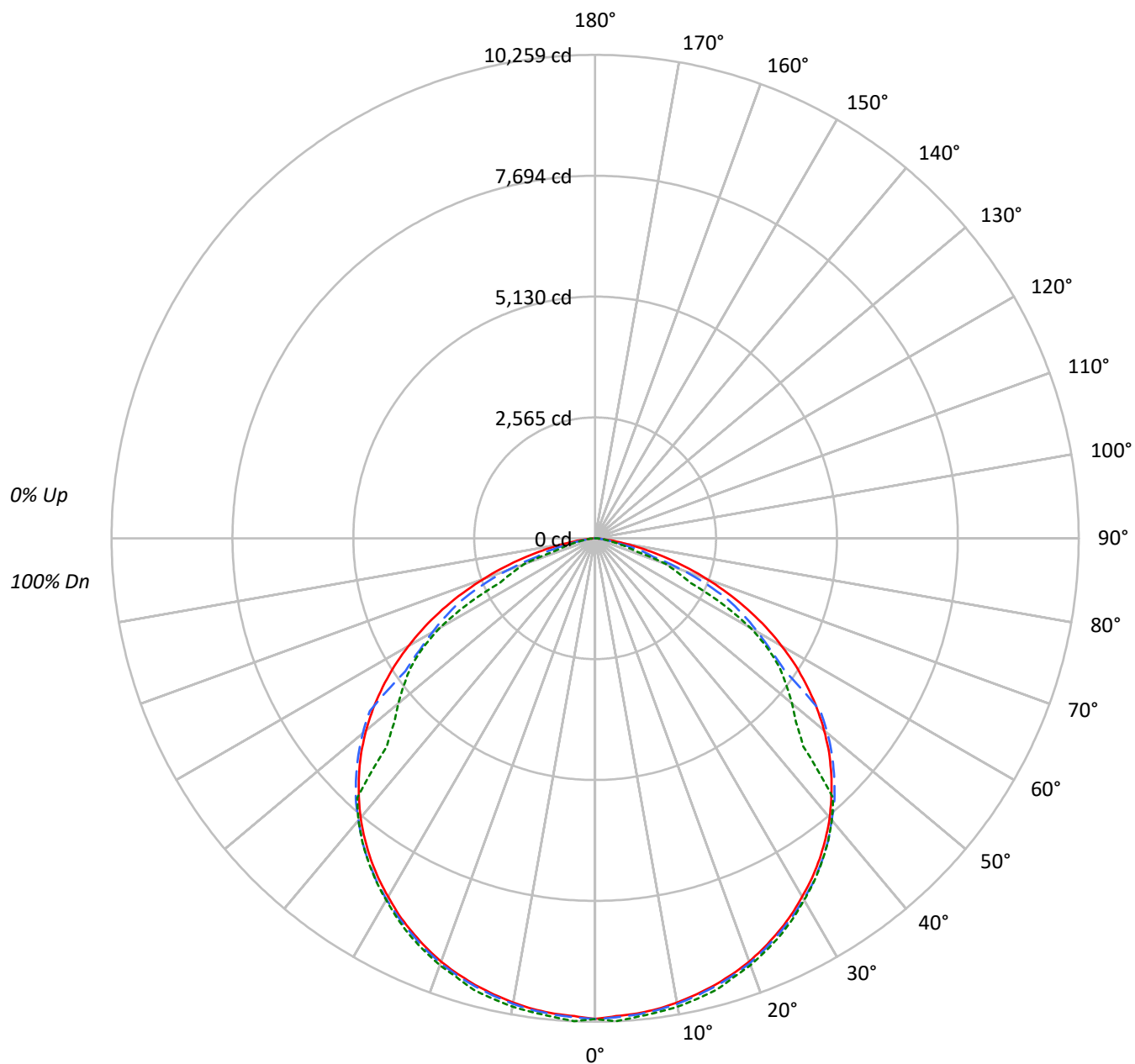
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730841

CATALOG NUMBER: HBLED-LD5-30HE-W-CL-UNV-L835

Luminous Intensity Polar Plot





TEST NUMBER: P730841

CATALOG NUMBER: HBLED-LD5-30HE-W-CL-UNV-L835

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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62		
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46		
6	72	59	50	44	70	58	49	43	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29		
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16467	16467	16467
5°	16408	16444	16524
10°	16406	16453	16548
15°	16405	16455	16588
20°	16425	16487	16564
25°	16407	16469	16568
30°	16375	16496	16533
35°	16368	16517	16529
40°	16317	16461	16461
45°	16177	16372	14266
50°	15927	16167	13688
55°	15475	13839	13444
60°	14749	12864	12283
65°	13640	11942	8507
70°	11877	9292	7580
75°	9382	6236	4075
80°	6038	2979	2540
85°	2484	1819	2001



TEST NUMBER: P730841

CATALOG NUMBER: HBLED-LD5-30HE-W-CL-UNV-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	967.5	3.5
10°-20°	2788.6	10.1
20°-30°	4275.4	15.5
30°-40°	5240.1	19.0
40°-50°	5387.2	19.5
50°-60°	4597.8	16.7
60°-70°	3039.7	11.0
70°-80°	1126.2	4.1
80°-90°	150.6	0.5
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°	8031.5	29.1
0°-40°	13271.6	48.1
0°-60°	23256.6	84.3
0°-90°	27573.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27573.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10199	10199	10199	10199	10199	
5°	10123	10194	10146	10185	10195	963
15°	9814	9874	9844	9918	9924	2772
25°	9209	9258	9244	9327	9300	4246
35°	8304	8361	8380	8432	8386	5194
45°	7085	7155	7170	7159	6248	5460
55°	5498	5598	4916	4774	4776	4905
65°	3570	3600	3126	2571	2227	3520
75°	1504	1318	1000	672	653	1613
85°	134	96	98	107	108	222
90°	0	0	0	0	0	



TEST NUMBER: P730841

CATALOG NUMBER: HBLED-LD5-30HE-W-CL-UNV-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10199.1	10199.1	10199.1	10199.1	10199.1
2.5°	10149.4	10212.8	10175.5	10222.7	10258.7
5°	10123.4	10194.2	10145.7	10185.4	10195.4
7.5°	10078.7	10144.5	10099.8	10151.9	10144.5
10°	10006.7	10066.2	10035.2	10089.9	10093.5
12.5°	9914.8	9974.3	9945.8	10012.8	10011.6
15°	9814.1	9873.8	9843.9	9918.5	9923.5
17.5°	9696.2	9750.9	9728.4	9796.8	9769.4
20°	9559.6	9606.8	9595.5	9660.2	9640.3
22.5°	9391.9	9440.4	9429.3	9503.8	9473.9
25°	9209.4	9257.9	9244.2	9327.4	9300.1
27.5°	9012.0	9057.8	9056.6	9134.9	9092.7
30°	8783.4	8844.4	8848.1	8917.6	8867.9
32.5°	8557.5	8614.5	8630.7	8681.7	8639.5
35°	8304.2	8361.2	8379.9	8432.1	8386.1
37.5°	8030.9	8079.3	8112.8	8151.3	8115.3
40°	7741.5	7785.0	7809.9	7857.0	7809.9
42.5°	7418.7	7480.8	7515.6	7549.1	7472.1
45°	7084.6	7155.4	7170.3	7159.1	6247.6
47.5°	6730.8	6807.7	6816.5	5944.7	5777.0
50°	6340.8	6437.7	6436.4	5493.8	5449.2
52.5°	5934.7	6027.9	6024.2	5141.2	5111.4
55°	5497.5	5598.2	4916.4	4773.6	4776.1
57.5°	5051.7	5123.7	4411.0	4417.1	4335.2
60°	4567.5	4635.7	3983.8	3945.3	3803.7
62.5°	4082.0	4110.5	3570.3	3382.7	3113.3
65°	3570.3	3600.0	3125.7	2570.6	2226.6
67.5°	3045.0	3074.8	2594.1	1912.4	1886.3
70°	2515.9	2272.5	1968.4	1593.3	1605.7
72.5°	1994.4	1746.0	1286.5	1234.4	891.6
75°	1503.9	1317.6	999.7	671.9	653.2
77.5°	1046.9	907.8	535.2	458.2	428.5
80°	649.4	455.8	320.4	284.4	273.2
82.5°	329.1	262.1	173.9	173.9	173.9
85°	134.1	95.7	98.2	106.7	108.0
87.5°	28.5	38.5	47.2	48.5	47.2
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)