

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: P730806

Luminaire Tested: **HBLED-LD5-30HE-N-CL-UNV-L840**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730806
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23768)
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-UNV-L840
Description: 30000 LUMEN, HE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28368.0 lumens
Efficiency: N/A
Efficacy: 158.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.63 / 0.78
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

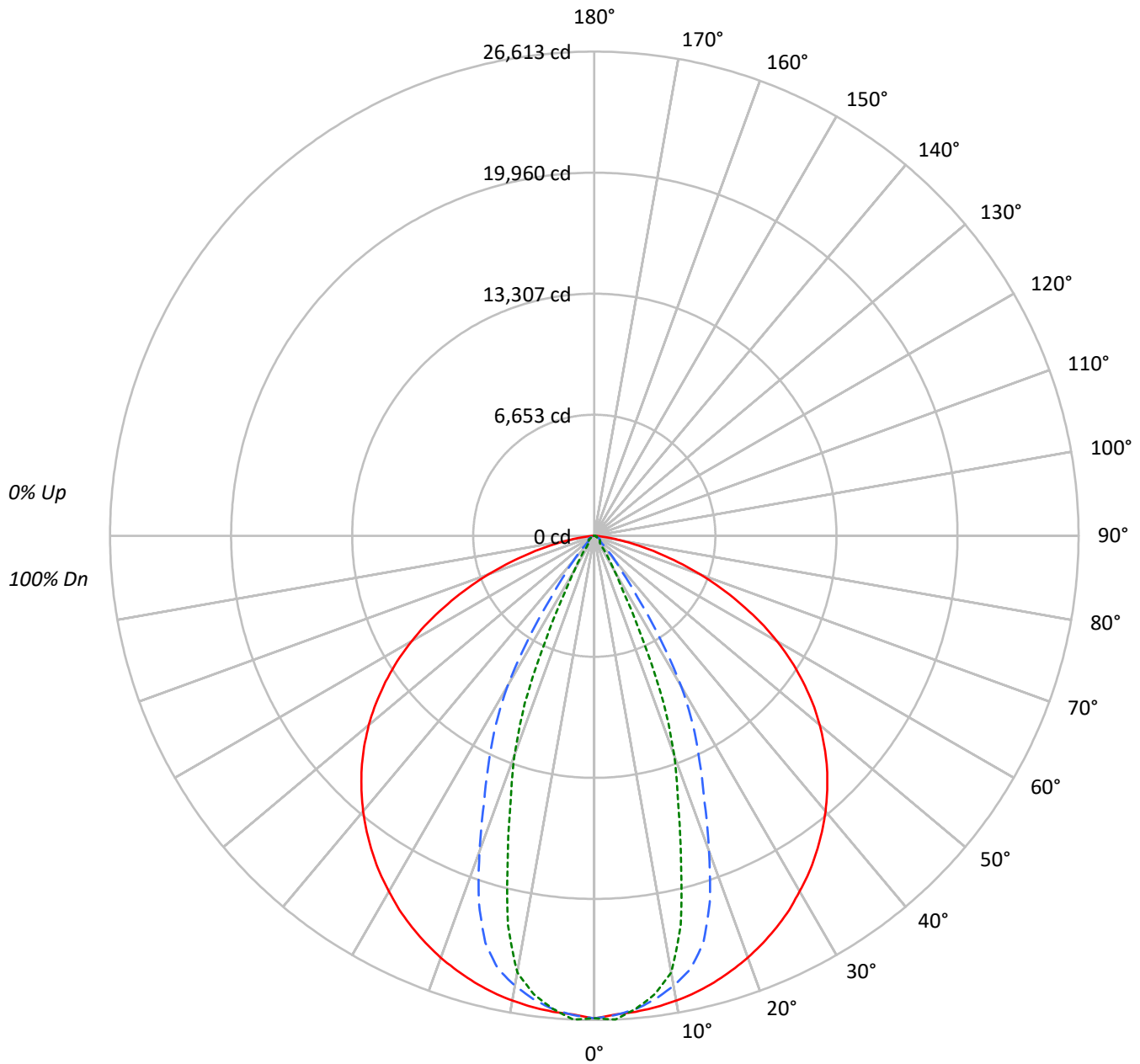
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	105	103	109	106	104	101	102	100	98	98	97	95	95	94	92	90		
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81		
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73		
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66		
5	86	76	69	64	85	75	69	64	73	68	63	72	67	63	70	66	62	60		
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	55		
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51		
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47		
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44		
10	65	54	48	43	64	54	47	43	53	47	43	52	47	43	51	46	43	41		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	42827	42827	42827
5°	42563	42341	42310
10°	42535	41171	39956
15°	42486	38715	30722
20°	42403	31682	22037
25°	42270	24410	11198
30°	42070	17815	4074
35°	41920	8181	1418
40°	41662	3713	978
45°	41292	1385	992
50°	40633	1006	1043
55°	39431	1058	795
60°	37470	1131	701
65°	33981	861	570
70°	29135	621	525
75°	22269	551	500
80°	13933	518	543
85°	4402	604	730



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2469.4	8.7
10°-20°	6220.7	21.9
20°-30°	6774.7	23.9
30°-40°	5067.8	17.9
40°-50°	3643.9	12.8
50°-60°	2237.9	7.9
60°-70°	1287.7	4.5
70°-80°	574.8	2.0
80°-90°	91.2	0.3
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°	15464.8	54.5
0°-40°	20532.6	72.4
0°-60°	26414.4	93.1
0°-90°	28368.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28368.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26525	26525	26525	26525	26525	
5°	26262	26385	26124	26149	26105	###
15°	25417	24930	23161	19892	18380	7175
25°	23727	22025	13702	8791	6286	10937
35°	21268	15254	4151	1220	719	13304
45°	18084	8570	607	449	434	13931
55°	14008	1781	376	364	282	12489
65°	8894	196	225	187	149	8804
75°	3570	118	88	91	80	3874
85°	238	23	33	42	39	473
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	26524.8	26524.8	26524.8	26524.8	26524.8
2.5°	26340.2	26512.6	26367.4	26497.7	26613.0
5°	26261.5	26385.0	26124.4	26148.8	26105.4
7.5°	26125.7	26155.6	25684.7	25502.8	25414.5
10°	25943.8	25863.8	25111.9	24678.9	24370.8
12.5°	25714.5	25449.9	24399.2	22853.2	21931.7
15°	25417.3	24930.0	23161.4	19891.6	18379.5
17.5°	25063.0	24387.0	21111.8	16578.3	15269.9
20°	24678.9	23787.1	18439.2	14095.9	12825.3
22.5°	24225.5	23020.2	15803.3	11723.2	9979.1
25°	23727.4	22025.3	13702.2	8791.4	6285.8
27.5°	23189.9	20712.7	11757.1	5391.3	3398.7
30°	22565.5	19115.2	9555.6	3025.5	2185.3
32.5°	21956.1	17253.0	6826.0	2015.6	1396.7
35°	21267.9	15253.7	4150.7	1220.3	719.3
37.5°	20539.0	13436.1	2597.9	663.7	496.7
40°	19766.7	11712.3	1761.8	471.1	464.2
42.5°	18941.4	10152.7	1103.4	447.9	462.8
45°	18083.6	8570.1	606.7	449.3	434.4
47.5°	17152.5	6851.8	423.5	424.8	423.5
50°	16176.6	4914.8	400.5	419.5	415.4
52.5°	15124.7	3051.3	401.8	409.9	367.9
55°	14007.6	1780.8	376.0	363.8	282.3
57.5°	12833.4	1110.3	367.9	300.0	253.8
60°	11603.7	586.4	350.2	270.2	217.1
62.5°	10293.9	289.2	280.9	230.7	177.8
65°	8894.5	195.5	225.4	187.3	149.3
67.5°	7542.6	176.4	169.7	153.4	130.3
70°	6171.8	161.5	131.6	134.4	111.3
72.5°	4826.7	146.5	105.8	115.4	93.6
75°	3569.8	118.1	88.3	90.9	80.1
77.5°	2483.9	92.3	69.3	77.4	74.6
80°	1498.5	58.4	55.7	63.8	58.4
82.5°	726.2	38.0	43.5	50.2	46.1
85°	237.6	23.0	32.6	42.0	39.4
87.5°	29.9	13.6	27.1	36.7	33.9
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)