

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: P730830

Luminaire Tested: **HBLED-LD5-30HE-W-A-UNV-L840**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730830
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23761)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30HE-W-A-UNV-L840
Description: 30000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27645.0 lumens
Efficiency: N/A
Efficacy: 154.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.2 / 1.27
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

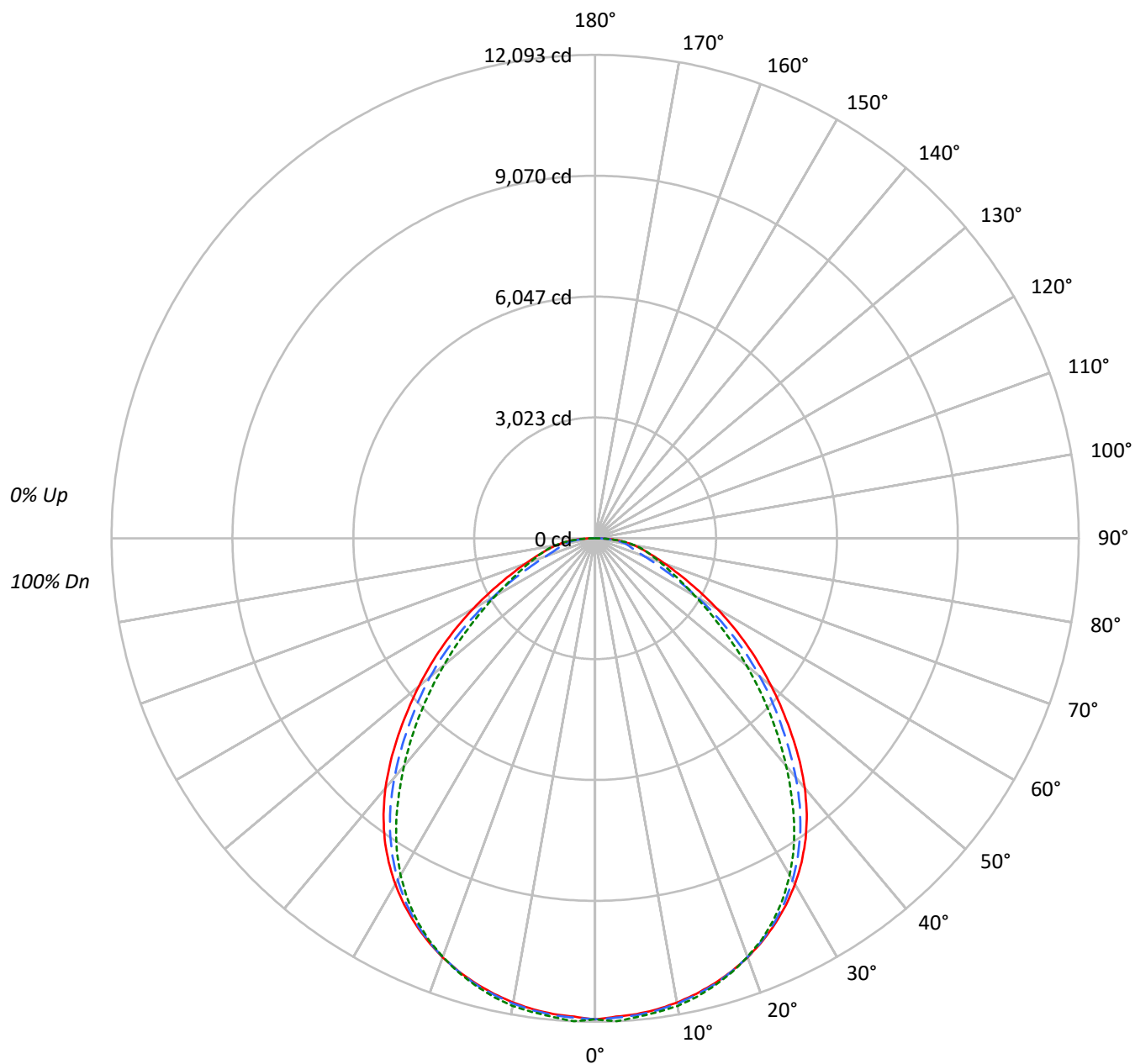
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	93	83	75	70	90	81	75	69	79	73	68	76	71	67	73	69	65	63		
4	85	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57	55		
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49		
6	73	61	52	46	72	60	52	46	58	51	46	56	50	45	55	49	45	43		
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	47	41	36	35		
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19430	19430	19430
5°	19362	19406	19485
10°	19334	19379	19477
15°	19270	19308	19354
20°	19169	19155	19141
25°	18961	18895	18789
30°	18633	18408	18140
35°	18092	17637	17094
40°	17192	16454	15665
45°	15882	14996	14088
50°	14438	13503	12392
55°	12982	11691	10713
60°	11360	9554	9296
65°	9795	7513	8390
70°	8733	6132	8086
75°	8365	5986	8449
80°	9048	7080	9413
85°	10159	8523	10257



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1140.6	4.1
10°-20°	3264.2	11.8
20°-30°	4882.9	17.7
30°-40°	5571.0	20.2
40°-50°	5071.2	18.3
50°-60°	3723.7	13.5
60°-70°	2198.7	8.0
70°-80°	1260.0	4.6
80°-90°	532.8	1.9
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°	9287.7	33.6
0°-40°	14858.7	53.7
0°-60°	23653.5	85.6
0°-90°	27645.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27645.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12034	12034	12034	12034	12034	
5°	11946	12021	11973	12021	12022	###
15°	11528	11592	11551	11592	11578	3253
25°	10643	10681	10606	10602	10547	4899
35°	9179	9134	8948	8795	8673	5719
45°	6956	6915	6568	6273	6170	5360
55°	4612	4399	4153	3852	3806	4124
65°	2564	2238	1967	2104	2196	2580
75°	1341	1150	960	1251	1354	1445
85°	548	506	460	543	554	573
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12034.3	12034.3	12034.3	12034.3	12034.3
2.5°	11978.6	12047.9	12004.4	12052.0	12092.7
5°	11946.2	12020.8	11973.3	12020.8	12022.1
7.5°	11886.4	11955.6	11909.5	11961.1	11955.6
10°	11792.7	11862.0	11819.9	11875.6	11879.6
12.5°	11673.3	11739.8	11696.5	11760.2	11749.4
15°	11528.1	11591.8	11551.1	11591.8	11578.3
17.5°	11357.1	11415.5	11362.6	11407.3	11384.3
20°	11156.2	11205.0	11148.1	11190.1	11140.0
22.5°	10916.1	10959.4	10899.7	10922.7	10871.2
25°	10643.2	10681.2	10606.5	10602.5	10546.8
27.5°	10339.1	10359.6	10264.5	10231.9	10168.1
30°	9994.5	9999.9	9873.7	9812.6	9729.8
32.5°	9607.6	9594.1	9432.5	9341.7	9239.8
35°	9178.8	9134.0	8948.1	8794.7	8672.6
37.5°	8694.3	8623.7	8401.1	8174.5	8057.7
40°	8156.8	8074.0	7806.7	7525.7	7432.1
42.5°	7571.9	7501.3	7186.4	6893.2	6800.9
45°	6955.7	6915.0	6567.5	6273.0	6169.8
47.5°	6339.5	6309.7	5970.4	5670.4	5545.5
50°	5747.8	5682.6	5375.9	5047.4	4933.5
52.5°	5173.6	5040.6	4770.6	4434.0	4349.9
55°	4611.8	4398.7	4153.1	3851.8	3805.6
57.5°	4055.3	3779.8	3541.0	3315.6	3314.3
60°	3517.9	3203.0	2958.7	2840.6	2878.7
62.5°	3014.3	2691.3	2426.7	2434.8	2504.1
65°	2563.8	2238.0	1966.6	2103.7	2196.0
67.5°	2177.0	1866.1	1590.6	1845.8	1934.0
70°	1849.9	1568.9	1298.9	1617.7	1712.8
72.5°	1574.4	1338.2	1095.3	1427.8	1524.1
75°	1340.9	1149.5	959.5	1251.4	1354.4
77.5°	1150.9	981.3	860.5	1083.0	1190.2
80°	973.1	823.9	761.4	920.2	1012.4
82.5°	770.8	667.8	631.1	747.8	795.3
85°	548.4	506.2	460.1	542.9	553.7
87.5°	301.3	312.2	257.8	312.2	313.5
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)