

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: P730826

Luminaire Tested: **HBLED-LD5-30HE-W-A-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730826
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-L735
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: 28109.0 lumens
Efficiency: N/A
Efficacy: 157.0 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

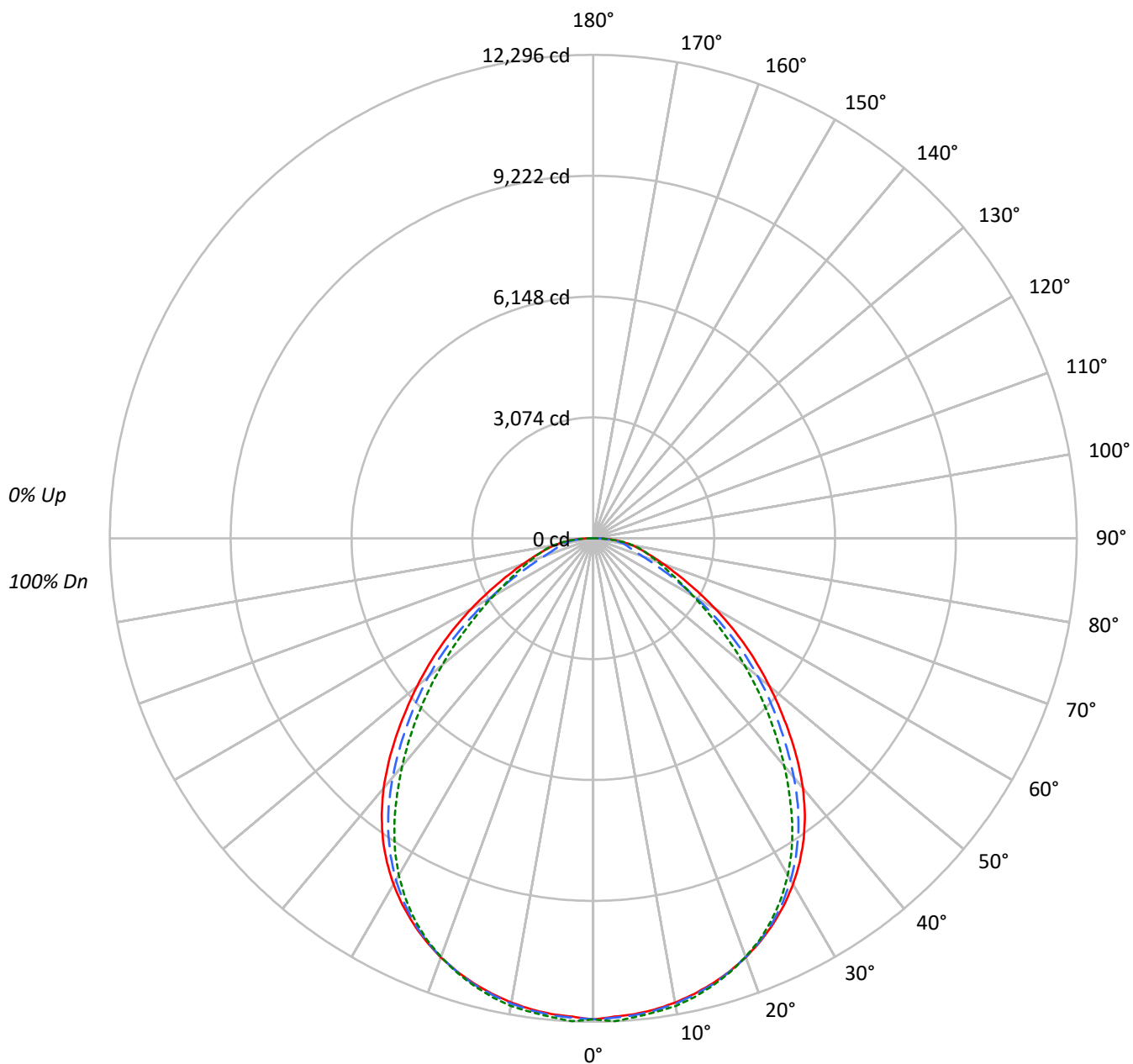
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	19757	19757	19757
5°	19687	19731	19812
10°	19659	19704	19803
15°	19593	19632	19679
20°	19490	19476	19462
25°	19279	19213	19104
30°	18946	18717	18444
35°	18395	17933	17381
40°	17481	16730	15927
45°	16149	15248	14325
50°	14680	13730	12600
55°	13200	11887	10892
60°	11551	9714	9452
65°	9959	7639	8530
70°	8879	6235	8222
75°	8505	6086	8591
80°	9200	7199	9571
85°	10330	8666	10430



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1159.7	4.1
10°-20°	3319.0	11.8
20°-30°	4964.9	17.7
30°-40°	5664.5	20.2
40°-50°	5156.3	18.3
50°-60°	3786.2	13.5
60°-70°	2235.6	8.0
70°-80°	1281.2	4.6
80°-90°	541.7	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°	9443.5	33.6
0°-40°	15108.1	53.7
0°-60°	24050.5	85.6
0°-90°	28109.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28109.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12236	12236	12236	12236	12236	
5°	12147	12222	12174	12222	12224	###
15°	11722	11786	11745	11786	11773	3308
25°	10822	10860	10784	10780	10724	4981
35°	9333	9287	9098	8942	8818	5815
45°	7072	7031	6678	6378	6273	5450
55°	4689	4473	4223	3916	3870	4194
65°	2607	2276	2000	2139	2233	2623
75°	1363	1169	976	1272	1377	1470
85°	558	515	468	552	563	583
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12236.3	12236.3	12236.3	12236.3	12236.3
2.5°	12179.7	12250.1	12205.9	12254.2	12295.6
5°	12146.7	12222.5	12174.2	12222.5	12223.9
7.5°	12086.0	12156.2	12109.4	12161.8	12156.2
10°	11990.6	12061.1	12018.3	12074.9	12079.0
12.5°	11869.2	11936.8	11892.8	11957.6	11946.6
15°	11721.6	11786.4	11745.0	11786.4	11772.7
17.5°	11547.7	11607.1	11553.3	11598.8	11575.4
20°	11343.5	11393.1	11335.2	11377.9	11326.9
22.5°	11099.3	11143.3	11082.6	11106.1	11053.6
25°	10821.8	10860.4	10784.5	10780.4	10723.8
27.5°	10512.7	10533.5	10436.8	10403.6	10338.8
30°	10162.3	10167.7	10039.4	9977.3	9893.1
32.5°	9768.9	9755.1	9590.9	9498.5	9394.9
35°	9332.8	9287.3	9098.2	8942.3	8818.1
37.5°	8840.2	8768.5	8542.1	8311.7	8192.9
40°	8293.7	8209.6	7937.7	7652.0	7556.8
42.5°	7699.0	7627.2	7307.0	7008.9	6915.1
45°	7072.4	7031.0	6677.7	6378.3	6273.4
47.5°	6445.9	6415.6	6070.6	5765.6	5638.6
50°	5844.3	5778.0	5466.2	5132.1	5016.3
52.5°	5260.5	5125.2	4850.7	4508.4	4422.9
55°	4689.2	4472.6	4222.8	3916.5	3869.5
57.5°	4123.4	3843.2	3600.4	3371.3	3369.9
60°	3577.0	3256.8	3008.3	2888.3	2927.0
62.5°	3064.9	2736.5	2467.4	2475.7	2546.1
65°	2606.8	2275.6	1999.6	2139.0	2232.8
67.5°	2213.5	1897.5	1617.3	1876.8	1966.4
70°	1880.9	1595.2	1320.7	1644.9	1741.6
72.5°	1600.8	1360.6	1113.7	1451.7	1549.7
75°	1363.4	1168.8	975.6	1272.4	1377.2
77.5°	1170.3	997.7	875.0	1101.2	1210.2
80°	989.5	837.7	774.2	935.7	1029.4
82.5°	783.8	679.0	641.7	760.3	808.7
85°	557.6	514.7	467.8	552.0	563.0
87.5°	306.3	317.4	262.1	317.4	318.7
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)