

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: P730967

Luminaire Tested: **HBLED-LD5-36HE-W-CLI-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730967
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23766)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-36HE-W-CLI-UNV-L835
Description: 36000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32662.0 lumens
Efficiency: N/A
Efficacy: 155.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

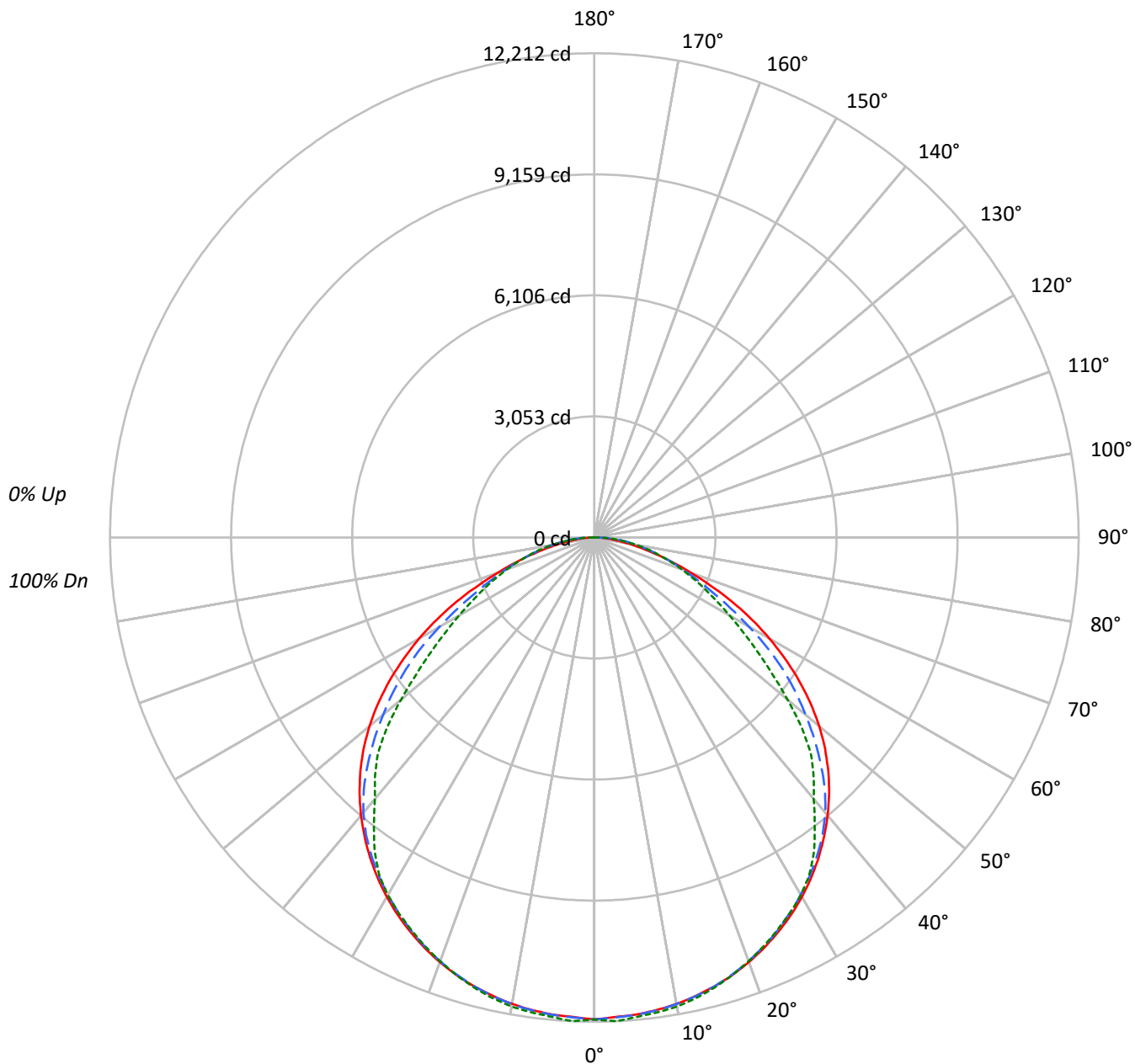
Input Watts (W): 210
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19628	19628	19628
5°	19576	19590	19677
10°	19587	19596	19699
15°	19589	19587	19633
20°	19584	19539	19544
25°	19554	19482	19458
30°	19522	19405	19416
35°	19431	19311	19037
40°	19293	19096	18133
45°	19048	18438	17632
50°	18590	17457	15969
55°	17743	16326	14120
60°	16467	14567	12734
65°	14636	12612	11709
70°	12146	11271	11037
75°	9823	10315	10443
80°	7803	9866	9825
85°	6110	10598	10111



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1152.9	3.5
10°-20°	3316.2	10.2
20°-30°	5056.7	15.5
30°-40°	6117.8	18.7
40°-50°	6196.8	19.0
50°-60°	5121.8	15.7
60°-70°	3382.8	10.4
70°-80°	1764.0	5.4
80°-90°	553.0	1.7
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°	9525.8	29.2
0°-40°	15643.6	47.9
0°-60°	26962.2	82.5
0°-90°	32662.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32662.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12157	12157	12157	12157	12157	
5°	12078	12151	12087	12140	12141	###
15°	11719	11779	11718	11754	11745	3309
25°	10976	11020	10936	10963	10922	5061
35°	9858	9872	9797	9784	9658	6166
45°	8342	8320	8075	7824	7722	6423
55°	6303	6210	5800	5236	5016	5618
65°	3831	3720	3301	3087	3065	3784
75°	1575	1602	1654	1675	1674	1715
85°	330	425	572	568	546	400
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12156.9	12156.9	12156.9	12156.9	12156.9
2.5°	12106.0	12177.4	12117.5	12170.1	12212.4
5°	12078.1	12151.2	12086.9	12139.5	12140.9
7.5°	12024.2	12097.2	12031.4	12084.0	12082.5
10°	11946.8	12015.5	11952.6	12015.5	12015.5
12.5°	11841.8	11908.9	11847.6	11905.9	11897.1
15°	11719.2	11779.0	11717.8	11754.2	11745.4
17.5°	11574.7	11628.7	11560.0	11590.7	11573.2
20°	11398.1	11447.7	11371.9	11411.3	11374.7
22.5°	11199.5	11246.2	11168.9	11198.2	11157.2
25°	10976.4	11020.1	10935.5	10963.2	10922.3
27.5°	10735.5	10774.9	10680.0	10713.7	10681.4
30°	10471.3	10490.4	10408.6	10452.4	10414.5
32.5°	10176.5	10188.3	10116.7	10156.0	10091.9
35°	9858.3	9871.5	9797.1	9784.0	9658.5
37.5°	9518.3	9524.2	9454.2	9335.9	9128.7
40°	9153.6	9150.6	9060.1	8787.2	8603.3
42.5°	8763.8	8762.4	8603.3	8292.4	8187.4
45°	8342.0	8320.2	8074.9	7823.9	7721.7
47.5°	7889.7	7866.3	7523.3	7323.4	7091.3
50°	7400.8	7359.9	6949.7	6676.8	6357.3
52.5°	6873.9	6811.1	6393.7	5953.0	5650.9
55°	6303.2	6209.8	5799.8	5236.5	5016.1
57.5°	5709.3	5570.6	5172.2	4623.5	4444.0
60°	5099.3	4944.5	4511.0	4060.2	3943.3
62.5°	4471.6	4318.5	3876.2	3536.2	3471.9
65°	3831.0	3720.0	3301.2	3086.7	3064.9
67.5°	3174.2	3134.8	2815.2	2705.8	2697.0
70°	2573.0	2565.7	2387.6	2332.1	2338.0
72.5°	2056.4	2047.6	2021.4	1993.5	1995.0
75°	1574.7	1602.4	1653.5	1675.3	1674.0
77.5°	1174.8	1231.8	1339.7	1383.5	1376.2
80°	839.2	923.8	1061.1	1101.9	1056.7
82.5°	558.9	648.0	809.9	815.8	779.3
85°	329.8	424.7	572.1	567.7	545.8
87.5°	163.4	255.4	342.9	328.3	313.8
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)