

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: P730969

Luminaire Tested: **HBLED-LD5-36HE-W-CLI-UNV-L850**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730969
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-L850
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: 34262.0 lumens
Efficiency: N/A
Efficacy: 163.2 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

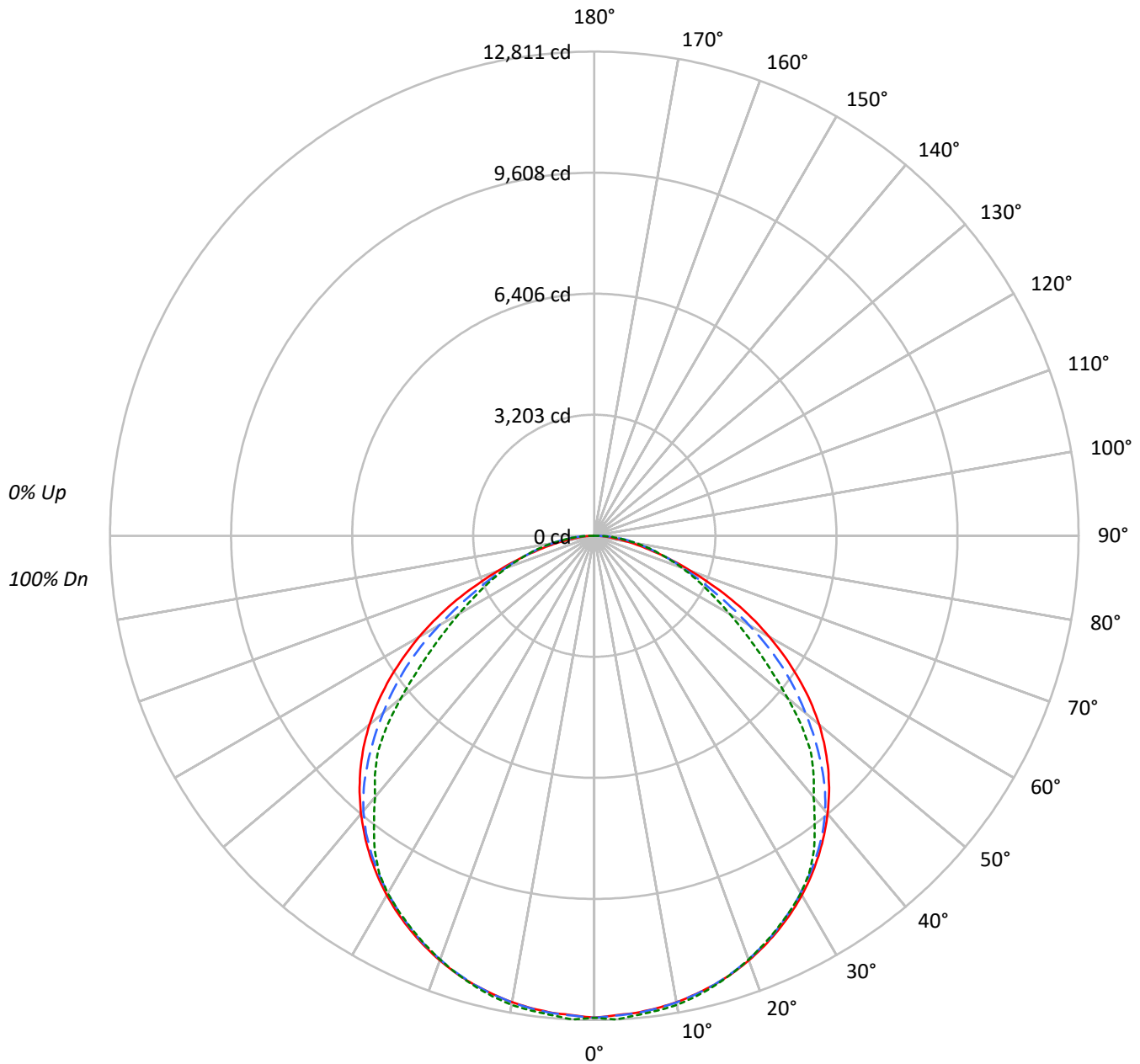
Input Watts (W): 210
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730969

CATALOG NUMBER: HBLED-LD5-36HE-W-CLI-UNV-L850

Luminous Intensity Polar Plot





TEST NUMBER: P730969

CATALOG NUMBER: HBLED-LD5-36HE-W-CLI-UNV-L850

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	109	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61		
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20590	20590	20590
5°	20535	20550	20641
10°	20546	20556	20664
15°	20549	20546	20595
20°	20544	20497	20501
25°	20512	20436	20411
30°	20479	20356	20368
35°	20383	20257	19970
40°	20238	20032	19021
45°	19981	19341	18495
50°	19500	18312	16751
55°	18612	17126	14812
60°	17273	15280	13357
65°	15353	13230	12283
70°	12741	11824	11578
75°	10305	10820	10954
80°	8185	10349	10306
85°	6408	11117	10606



TEST NUMBER: P730969

CATALOG NUMBER: HBLED-LD5-36HE-W-CLI-UNV-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1209.4	3.5
10°-20°	3478.7	10.2
20°-30°	5304.4	15.5
30°-40°	6417.5	18.7
40°-50°	6500.4	19.0
50°-60°	5372.7	15.7
60°-70°	3548.6	10.4
70°-80°	1850.4	5.4
80°-90°	580.1	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°	9992.4	29.2
0°-40°	16409.9	47.9
0°-60°	28283.0	82.5
0°-90°	34262.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34262.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12752	12752	12752	12752	12752	
5°	12670	12746	12679	12734	12736	###
15°	12293	12356	12292	12330	12321	3471
25°	11514	11560	11471	11500	11457	5309
35°	10341	10355	10277	10263	10132	6468
45°	8751	8728	8470	8207	8100	6738
55°	6612	6514	6084	5493	5262	5893
65°	4019	3902	3463	3238	3215	3969
75°	1652	1681	1734	1757	1756	1800
85°	346	446	600	596	572	420
90°	0	0	0	0	0	



TEST NUMBER: P730969

CATALOG NUMBER: HBLED-LD5-36HE-W-CLI-UNV-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12752.4	12752.4	12752.4	12752.4	12752.4
2.5°	12699.0	12773.9	12711.1	12766.3	12810.7
5°	12669.8	12746.4	12679.0	12734.2	12735.7
7.5°	12613.3	12689.8	12620.8	12675.9	12674.4
10°	12532.0	12604.1	12538.2	12604.1	12604.1
12.5°	12421.9	12492.2	12428.0	12489.2	12479.9
15°	12293.3	12356.0	12291.8	12330.0	12320.8
17.5°	12141.7	12198.4	12126.3	12158.4	12140.2
20°	11956.4	12008.5	11929.0	11970.3	11931.9
22.5°	11748.2	11797.2	11716.1	11746.8	11703.8
25°	11514.1	11560.0	11471.2	11500.2	11457.4
27.5°	11261.4	11302.7	11203.2	11238.5	11204.7
30°	10984.3	11004.2	10918.5	10964.5	10924.7
32.5°	10675.1	10687.3	10612.2	10653.6	10586.3
35°	10341.3	10355.1	10277.1	10263.2	10131.6
37.5°	9984.6	9990.7	9917.3	9793.2	9575.8
40°	9602.0	9598.9	9504.0	9217.6	9024.7
42.5°	9193.1	9191.7	9024.7	8698.6	8588.5
45°	8750.7	8727.8	8470.5	8207.2	8100.0
47.5°	8276.2	8251.6	7891.9	7682.2	7438.7
50°	7763.3	7720.4	7290.2	7003.9	6668.7
52.5°	7210.6	7144.7	6706.9	6244.6	5927.7
55°	6612.0	6514.0	6083.9	5493.0	5261.8
57.5°	5989.0	5843.5	5425.5	4850.0	4661.7
60°	5349.0	5186.7	4732.0	4259.1	4136.5
62.5°	4690.7	4530.0	4066.1	3709.5	3642.0
65°	4018.7	3902.2	3462.9	3237.9	3215.0
67.5°	3329.7	3288.4	2953.1	2838.3	2829.1
70°	2699.0	2691.3	2504.6	2446.3	2452.5
72.5°	2157.1	2147.9	2120.4	2091.2	2092.7
75°	1651.9	1680.9	1734.5	1757.4	1756.0
77.5°	1232.4	1292.1	1405.3	1451.3	1443.6
80°	880.3	969.1	1113.0	1155.9	1108.4
82.5°	586.3	679.7	849.6	855.7	817.5
85°	345.9	445.5	600.1	595.5	572.5
87.5°	171.4	267.9	359.7	344.4	329.2
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)