

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: P730964

Luminaire Tested: **HBLED-LD5-36HE-W-CLI-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730964
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-L735
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: 34168.0 lumens
Efficiency: N/A
Efficacy: 162.7 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

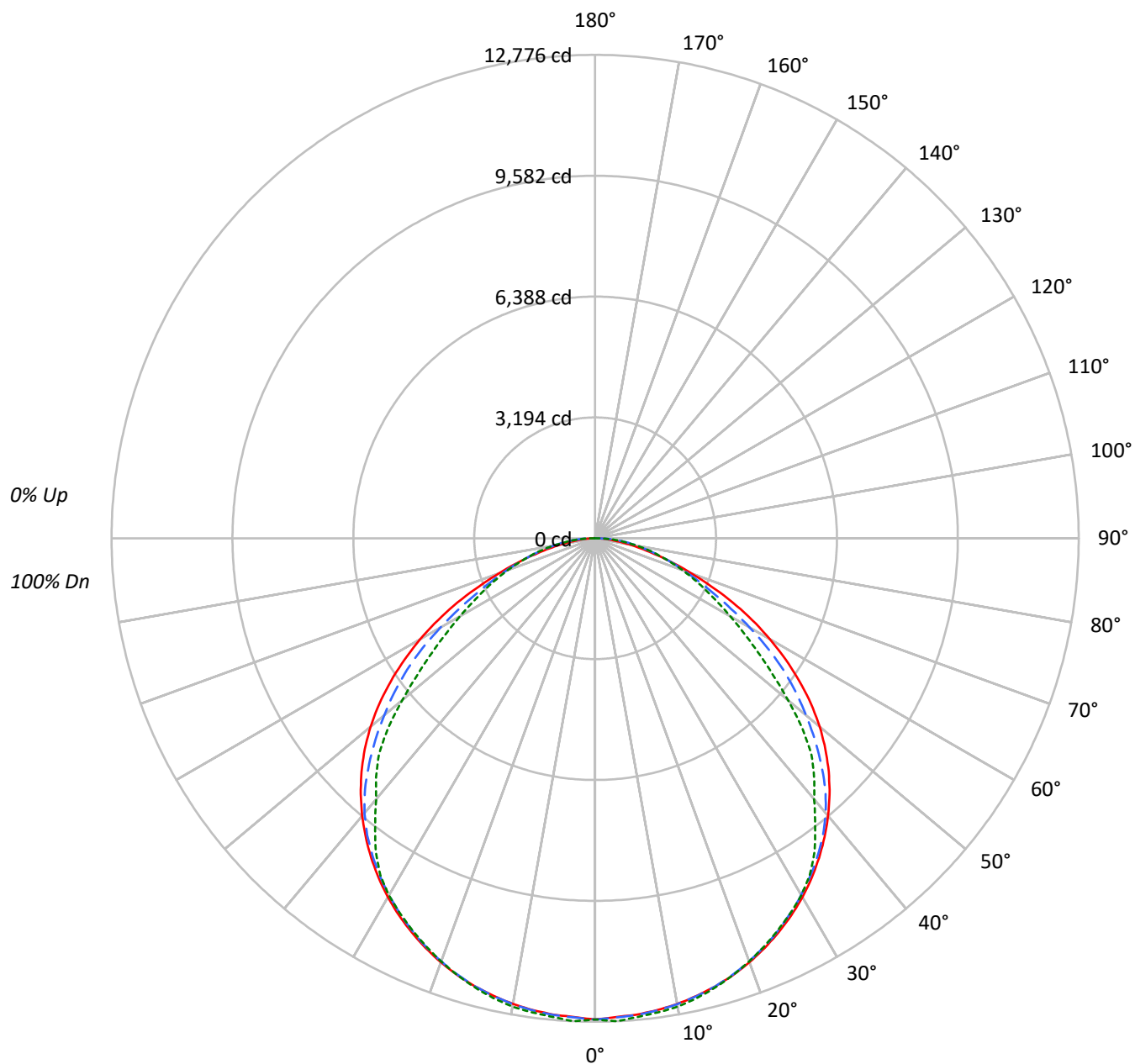
Input Watts (W): 210
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	20533	20533	20533
5°	20478	20493	20585
10°	20490	20500	20608
15°	20492	20490	20538
20°	20487	20440	20445
25°	20456	20380	20355
30°	20422	20300	20312
35°	20327	20201	19915
40°	20182	19977	18969
45°	19926	19288	18445
50°	19447	18262	16705
55°	18561	17079	14771
60°	17226	15238	13321
65°	15311	13194	12249
70°	12706	11791	11546
75°	10277	10791	10924
80°	8163	10321	10278
85°	6391	11087	10576



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1206.1	3.5
10°-20°	3469.1	10.2
20°-30°	5289.8	15.5
30°-40°	6399.9	18.7
40°-50°	6482.5	19.0
50°-60°	5358.0	15.7
60°-70°	3538.8	10.4
70°-80°	1845.3	5.4
80°-90°	578.5	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°	9965.0	29.2
0°-40°	16364.9	47.9
0°-60°	28205.4	82.5
0°-90°	34168.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34168.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12717	12717	12717	12717	12717	
5°	12635	12712	12644	12699	12701	###
15°	12260	12322	12258	12296	12287	3462
25°	11482	11528	11440	11469	11426	5295
35°	10313	10327	10249	10235	10104	6451
45°	8727	8704	8447	8185	8078	6720
55°	6594	6496	6067	5478	5247	5877
65°	4008	3892	3453	3229	3206	3958
75°	1647	1676	1730	1753	1751	1795
85°	345	444	598	594	571	419
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12717.4	12717.4	12717.4	12717.4	12717.4
2.5°	12664.1	12738.9	12676.2	12731.2	12775.5
5°	12635.0	12711.5	12644.2	12699.2	12700.8
7.5°	12578.7	12654.9	12586.2	12641.2	12639.6
10°	12497.6	12569.5	12503.8	12569.5	12569.5
12.5°	12387.8	12458.0	12393.9	12454.9	12445.7
15°	12259.6	12322.1	12258.0	12296.2	12287.0
17.5°	12108.4	12164.9	12093.1	12125.1	12106.9
20°	11923.6	11975.6	11896.2	11937.4	11899.1
22.5°	11715.9	11764.8	11683.9	11714.5	11671.7
25°	11482.5	11528.3	11439.7	11468.7	11425.9
27.5°	11230.5	11271.7	11172.4	11207.7	11174.0
30°	10954.1	10974.0	10888.6	10934.4	10894.7
32.5°	10645.8	10658.0	10583.1	10624.3	10557.2
35°	10312.9	10326.7	10248.9	10235.1	10103.8
37.5°	9957.2	9963.3	9890.1	9766.3	9549.6
40°	9575.6	9572.6	9477.9	9192.3	8999.9
42.5°	9167.8	9166.5	8999.9	8674.7	8564.9
45°	8726.7	8703.8	8447.3	8184.7	8077.8
47.5°	8253.5	8229.0	7870.2	7661.1	7418.3
50°	7742.0	7699.2	7270.2	6984.6	6650.4
52.5°	7190.8	7125.1	6688.5	6227.4	5911.4
55°	6593.9	6496.1	6067.2	5477.9	5247.4
57.5°	5972.5	5827.5	5410.7	4836.7	4648.9
60°	5334.4	5172.5	4719.0	4247.4	4125.1
62.5°	4677.8	4517.6	4055.0	3699.3	3632.0
65°	4007.6	3891.5	3453.4	3229.0	3206.2
67.5°	3320.6	3279.4	2945.0	2830.6	2821.4
70°	2691.6	2684.0	2497.7	2439.6	2445.8
72.5°	2151.2	2142.0	2114.6	2085.5	2087.0
75°	1647.4	1676.3	1729.8	1752.6	1751.2
77.5°	1229.0	1288.6	1401.5	1447.3	1439.6
80°	877.9	966.4	1110.0	1152.7	1105.4
82.5°	584.7	677.8	847.3	853.4	815.3
85°	345.0	444.2	598.5	593.9	570.9
87.5°	171.0	267.2	358.8	343.4	328.3
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)