

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: P730961

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730961
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23765)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-36HE-W-AI-UNV-L835
Description: 36000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31009.0 lumens
Efficiency: N/A
Efficacy: 147.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.16 / 1.26
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

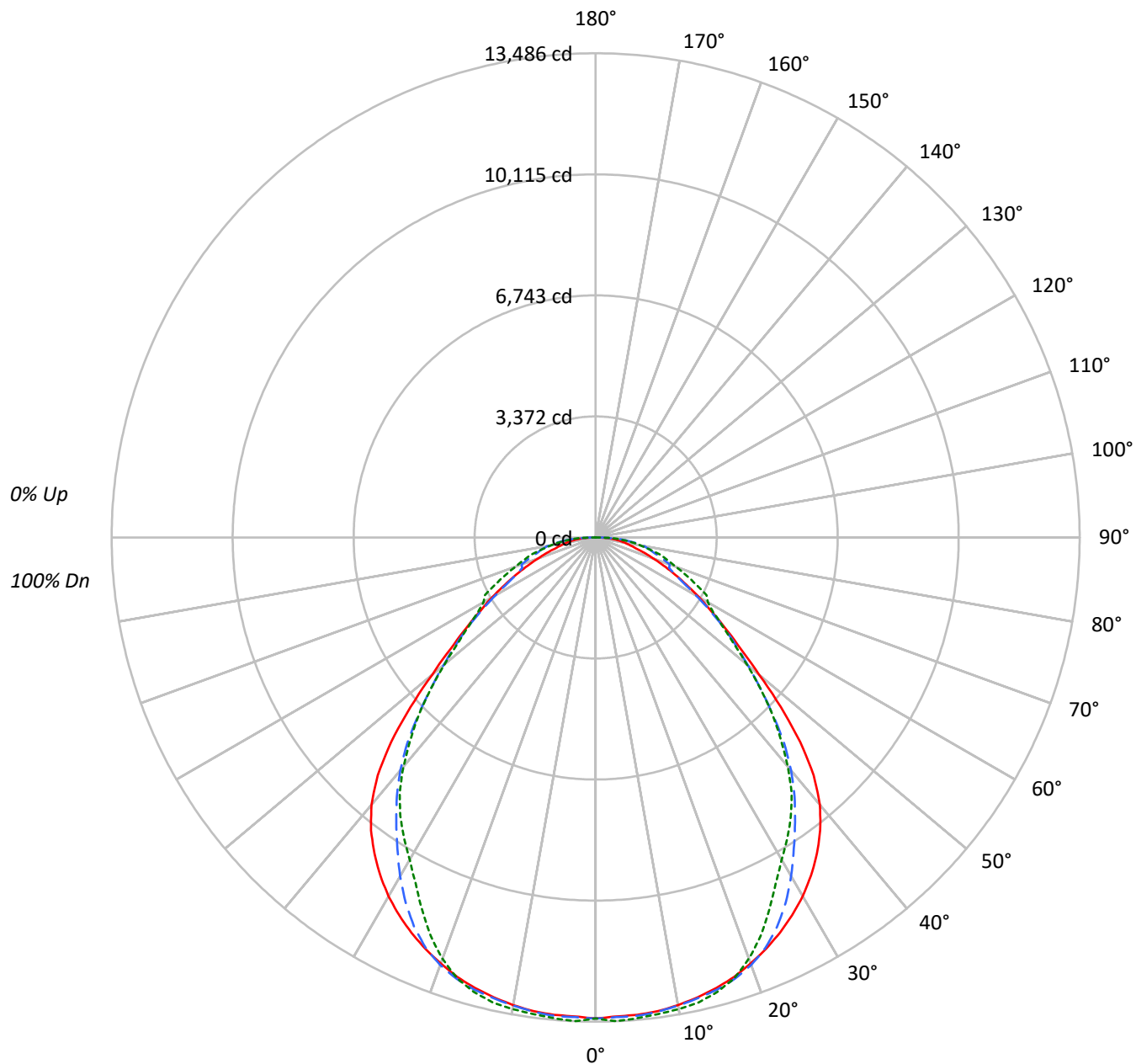
Input Watts (W): 210
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	63		
4	85	74	66	59	83	73	65	59	70	64	58	68	62	57	66	61	57	55		
5	79	67	58	52	77	66	58	52	64	57	51	62	55	51	60	54	50	48		
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43		
7	68	55	47	41	66	54	47	41	53	46	41	52	45	40	50	44	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	36	46	41	36	34		
9	60	47	39	34	58	46	39	33	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	35	31	42	35	30	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21630	21630	21630
5°	21629	21676	21782
10°	21683	21710	21870
15°	21716	21798	21904
20°	21694	21775	21452
25°	21639	21315	20388
30°	21512	20310	19320
35°	21188	19089	18691
40°	20480	17848	17554
45°	18407	15937	15879
50°	14929	13882	13787
55°	12397	12166	12162
60°	10733	10420	11649
65°	9302	9244	11742
70°	8021	10370	11193
75°	7193	10628	11669
80°	7477	12511	11707
85°	8486	14418	13377



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1275.6	4.1
10°-20°	3683.9	11.9
20°-30°	5471.4	17.6
30°-40°	6211.5	20.0
40°-50°	5552.9	17.9
50°-60°	3839.3	12.4
60°-70°	2533.4	8.2
70°-80°	1709.1	5.5
80°-90°	732.0	2.4
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°	10430.8	33.6
0°-40°	16642.4	53.7
0°-60°	26034.5	84.0
0°-90°	31009.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31009.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13397	13397	13397	13397	13397	
5°	13345	13427	13374	13429	13439	###
15°	12992	13054	13040	13113	13104	3667
25°	12147	12262	11965	11608	11444	5597
35°	10750	10524	9685	9544	9483	6703
45°	8062	7379	6980	7033	6954	6131
55°	4404	4020	4322	4261	4320	4000
65°	2435	2162	2420	2829	3074	2430
75°	1153	1450	1704	1820	1870	1259
85°	458	637	778	783	722	478
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13396.9	13396.9	13396.9	13396.9	13396.9
2.5°	13351.4	13434.8	13372.6	13430.3	13486.3
5°	13345.2	13427.2	13374.1	13428.6	13439.3
7.5°	13307.3	13383.1	13320.9	13374.1	13386.2
10°	13225.4	13314.9	13242.0	13324.0	13339.2
12.5°	13119.3	13210.3	13146.5	13258.7	13264.9
15°	12991.8	13054.0	13040.4	13113.1	13104.0
17.5°	12830.9	12902.4	12891.7	12909.8	12867.4
20°	12626.2	12706.5	12673.2	12589.8	12485.1
22.5°	12406.2	12503.3	12371.4	12160.5	12013.3
25°	12146.7	12262.1	11964.8	11608.3	11444.4
27.5°	11860.0	11963.2	11468.7	11031.8	10861.9
30°	11538.5	11582.4	10893.7	10478.0	10362.7
32.5°	11166.8	11103.1	10279.3	10004.7	9938.0
35°	10749.7	10523.6	9684.7	9543.6	9482.9
37.5°	10279.3	9865.3	9097.7	9032.4	8968.6
40°	9716.6	9105.1	8468.1	8425.6	8328.4
42.5°	8989.9	8278.4	7768.6	7718.6	7632.1
45°	8061.5	7378.8	6979.8	7032.9	6954.0
47.5°	6993.4	6476.2	6222.9	6368.5	6222.9
50°	5943.6	5596.3	5526.5	5658.5	5488.6
52.5°	5083.5	4771.1	4915.2	4937.9	4836.3
55°	4403.9	4020.1	4322.1	4261.3	4320.4
57.5°	3812.3	3382.9	3754.7	3684.8	3888.1
60°	3323.8	2841.4	3226.8	3211.5	3607.4
62.5°	2844.5	2459.1	2768.5	2991.6	3478.5
65°	2434.9	2161.8	2419.6	2829.3	3073.5
67.5°	2041.9	1938.7	2213.3	2440.9	2707.9
70°	1699.0	1752.1	2196.6	2154.1	2371.0
72.5°	1410.8	1591.4	1938.7	1946.3	2099.6
75°	1153.0	1450.3	1703.7	1820.5	1870.5
77.5°	958.7	1315.3	1538.3	1579.3	1530.7
80°	804.1	1159.0	1345.6	1327.4	1259.1
82.5°	649.2	878.4	1060.5	1077.1	996.7
85°	458.1	637.2	778.3	782.8	722.1
87.5°	245.7	393.0	471.8	485.4	449.0
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)