

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: P730958

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730958
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-L735
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: 32439.0 lumens
Efficiency: N/A
Efficacy: 154.5 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

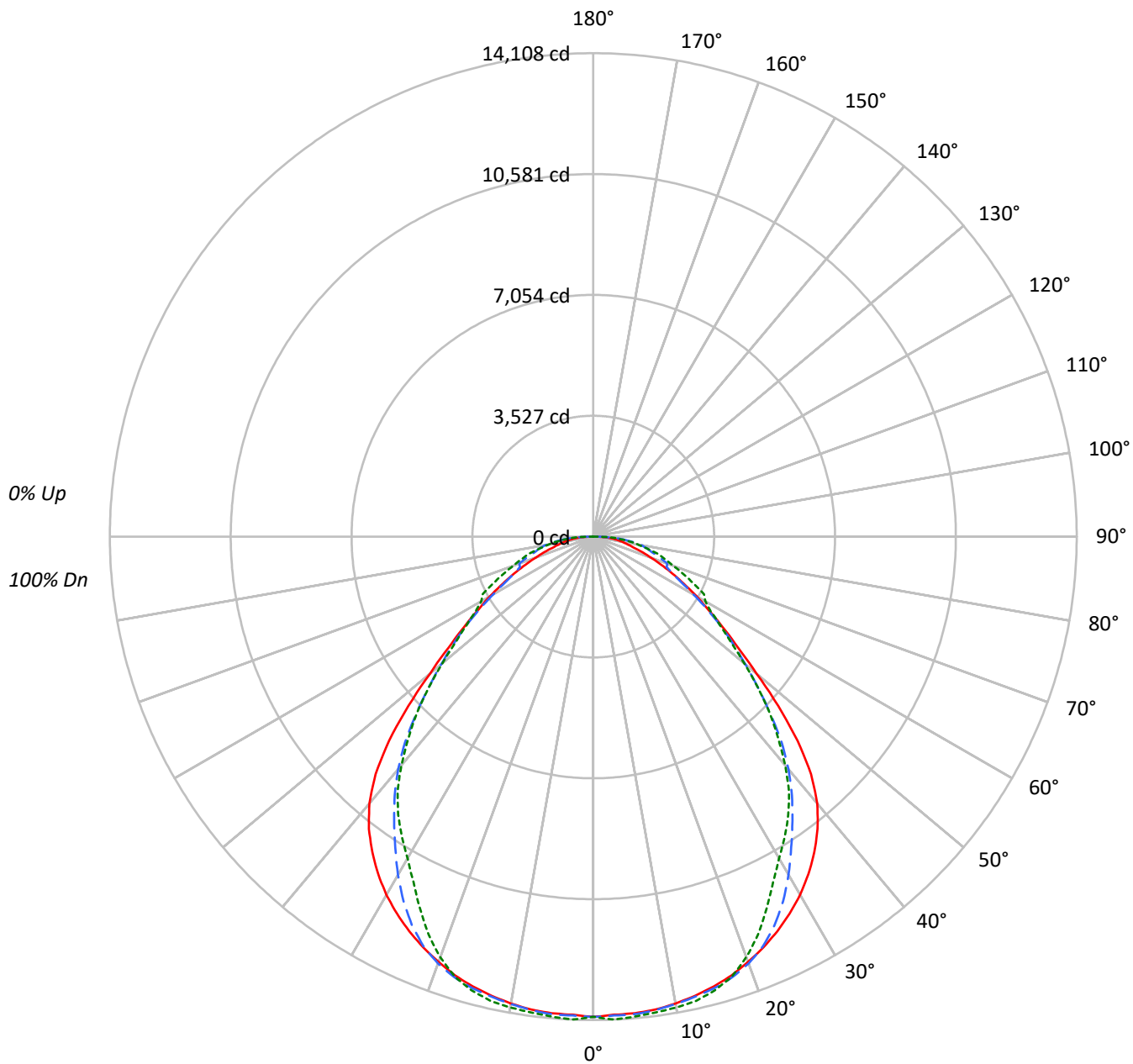
Input Watts (W): 210
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	22628	22628	22628
5°	22627	22676	22786
10°	22683	22711	22878
15°	22718	22803	22914
20°	22695	22779	22441
25°	22637	22298	21328
30°	22504	21246	20211
35°	22165	19969	19553
40°	21424	18671	18363
45°	19256	16672	16611
50°	15618	14522	14422
55°	12968	12728	12723
60°	11228	10900	12186
65°	9731	9670	12284
70°	8390	10848	11709
75°	7524	11118	12207
80°	7821	13088	12246
85°	8877	15083	13994



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1334.4	4.1
10°-20°	3853.8	11.9
20°-30°	5723.7	17.6
30°-40°	6498.0	20.0
40°-50°	5808.9	17.9
50°-60°	4016.3	12.4
60°-70°	2650.2	8.2
70°-80°	1787.9	5.5
80°-90°	765.8	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°	10911.8	33.6
0°-40°	17409.8	53.7
0°-60°	27235.1	84.0
0°-90°	32439.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32439.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14015	14015	14015	14015	14015	
5°	13961	14046	13991	14048	14059	###
15°	13591	13656	13642	13718	13708	3836
25°	12707	12828	12517	12144	11972	5855
35°	11245	11009	10131	9984	9920	7012
45°	8433	7719	7302	7357	7275	6413
55°	4607	4206	4521	4458	4520	4185
65°	2547	2262	2531	2960	3215	2542
75°	1206	1517	1782	1904	1957	1317
85°	479	667	814	819	755	500
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	14014.7	14014.7	14014.7	14014.7	14014.7
2.5°	13967.1	14054.3	13989.3	14049.6	14108.2
5°	13960.6	14046.4	13990.8	14047.9	14059.1
7.5°	13921.0	14000.3	13935.2	13990.8	14003.5
10°	13835.3	13929.0	13852.7	13938.4	13954.4
12.5°	13724.3	13819.5	13752.7	13870.2	13876.6
15°	13590.9	13656.0	13641.7	13717.8	13708.3
17.5°	13422.6	13497.4	13486.2	13505.2	13460.8
20°	13208.5	13292.5	13257.6	13170.3	13060.9
22.5°	12978.3	13079.9	12941.9	12721.3	12567.3
25°	12706.9	12827.5	12516.6	12143.6	11972.2
27.5°	12407.0	12514.9	11997.6	11540.6	11362.8
30°	12070.6	12116.5	11396.1	10961.2	10840.6
32.5°	11681.7	11615.1	10753.3	10466.1	10396.3
35°	11245.4	11008.9	10131.3	9983.7	9920.2
37.5°	10753.3	10320.2	9517.2	9448.9	9382.2
40°	10164.7	9525.0	8858.6	8814.2	8712.5
42.5°	9404.5	8660.1	8126.9	8074.5	7984.1
45°	8433.2	7719.0	7301.7	7357.3	7274.7
47.5°	7315.9	6774.9	6509.8	6662.2	6509.8
50°	6217.7	5854.4	5781.4	5919.5	5741.7
52.5°	5318.0	4991.1	5141.9	5165.6	5059.4
55°	4607.0	4205.5	4521.4	4457.8	4519.7
57.5°	3988.1	3538.9	3927.8	3854.8	4067.4
60°	3477.1	2972.5	3375.6	3359.6	3773.8
62.5°	2975.7	2572.6	2896.2	3129.5	3638.9
65°	2547.1	2261.5	2531.2	2959.7	3215.3
67.5°	2136.1	2028.1	2315.3	2553.4	2832.8
70°	1777.3	1832.9	2297.9	2253.5	2480.4
72.5°	1475.9	1664.8	2028.1	2036.1	2196.4
75°	1206.1	1517.2	1782.2	1904.4	1956.8
77.5°	1003.0	1375.9	1609.2	1652.1	1601.3
80°	841.1	1212.4	1407.6	1388.6	1317.1
82.5°	679.2	918.9	1109.4	1126.8	1042.6
85°	479.2	666.6	814.2	818.9	755.4
87.5°	257.1	411.1	493.6	507.8	469.7
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)