

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: P731033

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P731033
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-LD5-36SE-W-CLI-UNV-L835
Description: 36000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33087.0 lumens
Efficiency: N/A
Efficacy: 145.4 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

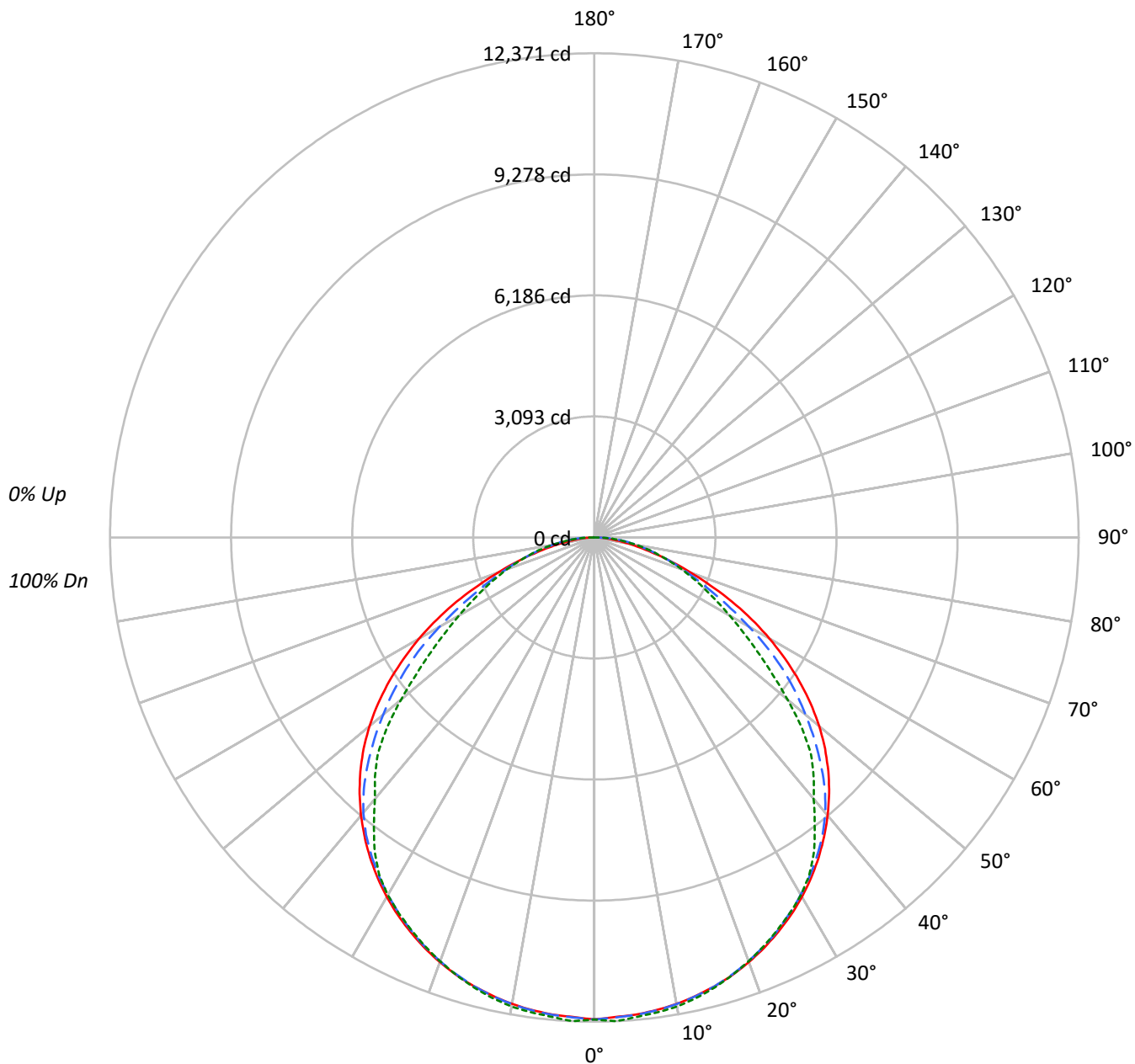
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	19884	19884	19884
5°	19830	19845	19934
10°	19841	19851	19956
15°	19844	19842	19889
20°	19839	19794	19798
25°	19809	19735	19711
30°	19776	19658	19669
35°	19684	19562	19285
40°	19544	19344	18369
45°	19296	18678	17861
50°	18831	17684	16176
55°	17974	16539	14304
60°	16681	14756	12899
65°	14826	12776	11861
70°	12305	11418	11181
75°	9951	10449	10579
80°	7904	9994	9953
85°	6189	10737	10243



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1167.9	3.5
10°-20°	3359.4	10.2
20°-30°	5122.5	15.5
30°-40°	6197.4	18.7
40°-50°	6277.4	19.0
50°-60°	5188.5	15.7
60°-70°	3426.9	10.4
70°-80°	1786.9	5.4
80°-90°	560.2	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°	9649.7	29.2
0°-40°	15847.2	47.9
0°-60°	27313.0	82.5
0°-90°	33087.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	33087.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12315	12315	12315	12315	12315	
5°	12235	12309	12244	12297	12299	###
15°	11872	11932	11870	11907	11898	3352
25°	11119	11164	11078	11106	11064	5127
35°	9987	10000	9925	9911	9784	6246
45°	8451	8428	8180	7926	7822	6507
55°	6385	6291	5875	5305	5081	5691
65°	3881	3768	3344	3127	3105	3833
75°	1595	1623	1675	1697	1696	1738
85°	334	430	580	575	553	406
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12315.1	12315.1	12315.1	12315.1	12315.1
2.5°	12263.5	12335.9	12275.2	12328.4	12371.3
5°	12235.3	12309.3	12244.2	12297.4	12298.9
7.5°	12180.7	12254.6	12188.0	12241.2	12239.7
10°	12102.2	12171.8	12108.2	12171.8	12171.8
12.5°	11995.9	12063.8	12001.8	12060.8	12051.9
15°	11871.7	11932.2	11870.2	11907.2	11898.3
17.5°	11725.3	11780.0	11710.5	11741.5	11723.8
20°	11546.4	11596.7	11519.9	11559.8	11522.7
22.5°	11345.3	11392.6	11314.3	11343.9	11302.4
25°	11119.2	11163.5	11077.8	11105.8	11064.5
27.5°	10875.2	10915.1	10819.0	10853.1	10820.4
30°	10607.6	10626.9	10544.1	10588.4	10550.0
32.5°	10309.0	10320.8	10248.3	10288.2	10223.2
35°	9986.6	10000.0	9924.6	9911.3	9784.1
37.5°	9642.2	9648.1	9577.2	9457.3	9247.4
40°	9272.7	9269.7	9178.0	8901.5	8715.2
42.5°	8877.8	8876.5	8715.2	8400.3	8293.9
45°	8450.6	8428.5	8180.0	7925.7	7822.2
47.5°	7992.4	7968.6	7621.2	7418.7	7183.6
50°	7497.0	7455.7	7040.2	6763.7	6440.0
52.5°	6963.3	6899.7	6476.9	6030.4	5724.4
55°	6385.2	6290.6	5875.3	5304.6	5081.3
57.5°	5783.6	5643.1	5239.5	4683.7	4501.8
60°	5165.6	5008.8	4569.7	4113.0	3994.6
62.5°	4529.8	4374.7	3926.7	3582.2	3517.1
65°	3880.8	3768.4	3344.2	3126.8	3104.7
67.5°	3215.5	3175.6	2851.8	2741.0	2732.1
70°	2606.5	2599.0	2418.7	2362.4	2368.4
72.5°	2083.1	2074.2	2047.7	2019.5	2021.0
75°	1595.2	1623.3	1675.0	1697.1	1695.8
77.5°	1190.1	1247.8	1357.2	1401.5	1394.1
80°	850.1	935.9	1074.9	1116.3	1070.4
82.5°	566.2	656.4	820.5	826.4	789.5
85°	334.1	430.2	579.6	575.1	552.9
87.5°	165.5	258.7	347.4	332.6	317.9
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)