

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: P731009

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P731009
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23761)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-36SE-W-A-UNV-L835
Description: 36000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31306.0 lumens
Efficiency: N/A
Efficacy: 137.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.2 / 1.27
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

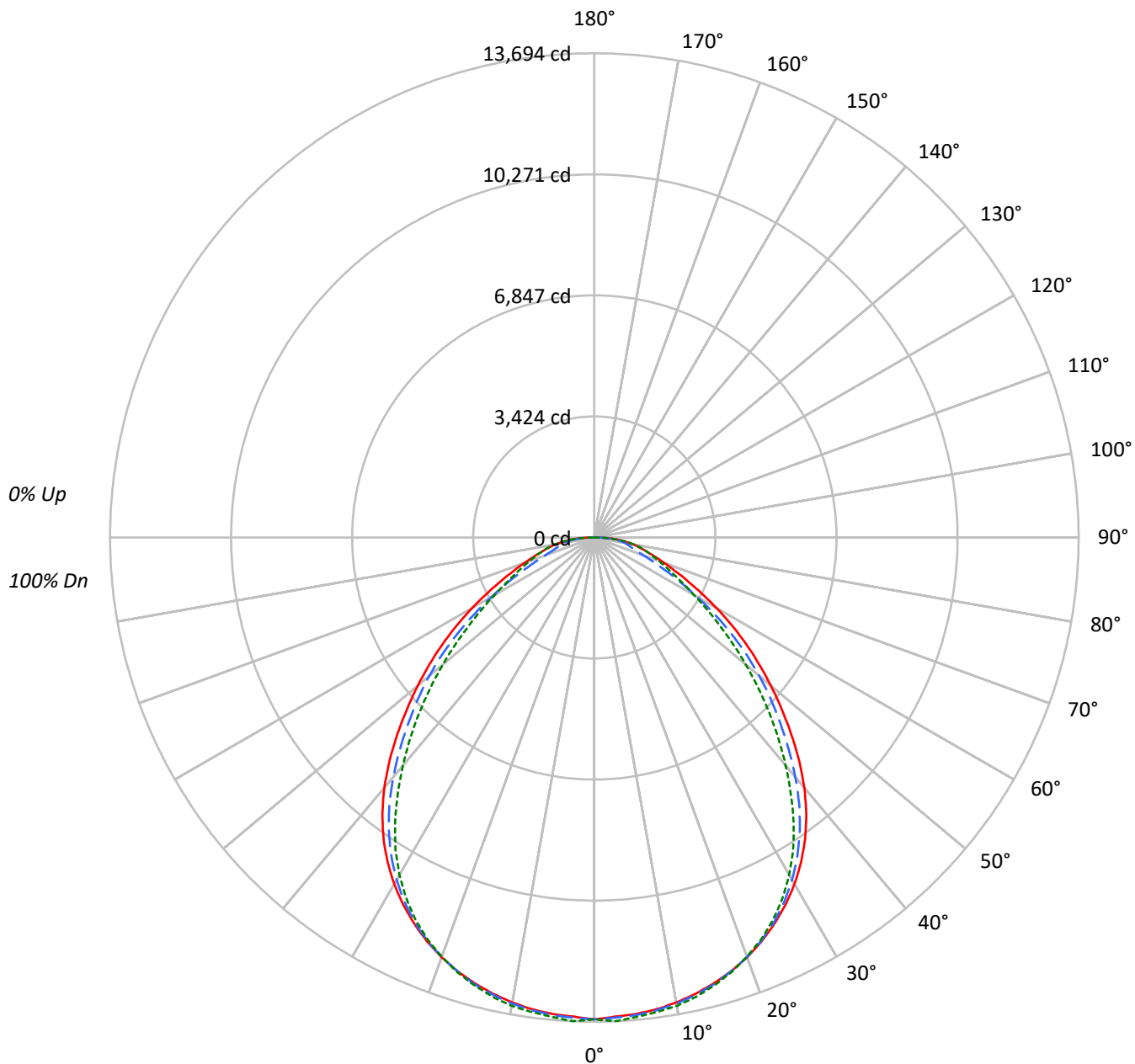
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	93	83	75	70	90	81	75	69	79	73	68	76	71	67	73	69	65	63		
4	85	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57	55		
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49		
6	73	61	52	46	72	60	52	46	58	51	46	56	50	45	55	49	45	43		
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	47	41	36	35		
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22004	22004	22004
5°	21926	21976	22065
10°	21894	21945	22056
15°	21822	21865	21917
20°	21707	21691	21676
25°	21472	21398	21277
30°	21101	20846	20542
35°	20488	19973	19358
40°	19469	18633	17739
45°	17986	16982	15954
50°	16350	15292	14033
55°	14701	13239	12131
60°	12864	10819	10527
65°	11092	8508	9501
70°	9889	6944	9156
75°	9473	6779	9568
80°	10246	8017	10660
85°	11504	9652	11617



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1291.6	4.1
10°-20°	3696.5	11.8
20°-30°	5529.5	17.7
30°-40°	6308.8	20.2
40°-50°	5742.7	18.3
50°-60°	4216.8	13.5
60°-70°	2489.9	8.0
70°-80°	1426.9	4.6
80°-90°	603.3	1.9
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°	10517.6	33.6
0°-40°	16826.4	53.7
0°-60°	26785.9	85.6
0°-90°	31306.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31306.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13628	13628	13628	13628	13628	
5°	13528	13613	13559	13613	13614	###
15°	13055	13127	13081	13127	13112	3684
25°	12053	12096	12011	12006	11944	5548
35°	10394	10344	10133	9959	9821	6476
45°	7877	7831	7437	7104	6987	6070
55°	5222	4981	4703	4362	4310	4670
65°	2903	2534	2227	2382	2487	2922
75°	1518	1302	1087	1417	1534	1637
85°	621	573	521	615	627	649
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13628.0	13628.0	13628.0	13628.0	13628.0
2.5°	13564.9	13643.4	13594.2	13648.0	13694.1
5°	13528.2	13612.7	13558.9	13612.7	13614.2
7.5°	13460.6	13538.8	13486.7	13545.1	13538.8
10°	13354.4	13432.8	13385.2	13448.2	13452.8
12.5°	13219.2	13294.5	13245.4	13317.6	13305.3
15°	13054.7	13126.9	13080.8	13126.9	13111.7
17.5°	12861.1	12927.2	12867.3	12918.0	12891.9
20°	12633.6	12688.9	12624.4	12672.0	12615.2
22.5°	12361.7	12410.7	12343.1	12369.2	12310.8
25°	12052.7	12095.7	12011.1	12006.5	11943.5
27.5°	11708.4	11731.5	11623.8	11586.9	11514.7
30°	11318.1	11324.2	11181.2	11112.1	11018.3
32.5°	10879.9	10864.6	10681.7	10578.8	10463.4
35°	10394.3	10343.6	10133.0	9959.4	9821.1
37.5°	9845.7	9765.8	9513.7	9257.0	9124.8
40°	9237.0	9143.3	8840.5	8522.3	8416.3
42.5°	8574.6	8494.7	8138.1	7806.1	7701.6
45°	7876.8	7830.7	7437.2	7103.7	6986.9
47.5°	7179.0	7145.2	6761.0	6421.3	6279.9
50°	6509.0	6435.1	6087.9	5715.8	5586.8
52.5°	5858.8	5708.1	5402.4	5021.1	4926.0
55°	5222.5	4981.3	4703.1	4361.9	4309.6
57.5°	4592.3	4280.4	4009.9	3754.7	3753.2
60°	3983.8	3627.2	3350.5	3216.7	3259.9
62.5°	3413.5	3047.7	2748.0	2757.2	2835.7
65°	2903.3	2534.4	2227.0	2382.2	2486.8
67.5°	2465.3	2113.3	1801.3	2090.3	2190.1
70°	2094.9	1776.7	1470.9	1832.0	1939.6
72.5°	1782.9	1515.4	1240.3	1616.8	1726.0
75°	1518.5	1301.7	1086.6	1417.1	1533.8
77.5°	1303.4	1111.2	974.5	1226.4	1347.8
80°	1102.0	933.0	862.2	1042.1	1146.5
82.5°	872.9	756.2	714.7	846.8	900.6
85°	621.0	573.2	521.0	614.8	627.1
87.5°	341.2	353.5	292.0	353.5	355.0
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)