

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: P731044

Luminaire Tested: **HBLED-LD5-36SE-W-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P731044
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2304-003-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-36SE-W-UNV-L750
Description: 36000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39311.0 lumens
Efficiency: N/A
Efficacy: 172.8 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.31 / 1.43
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

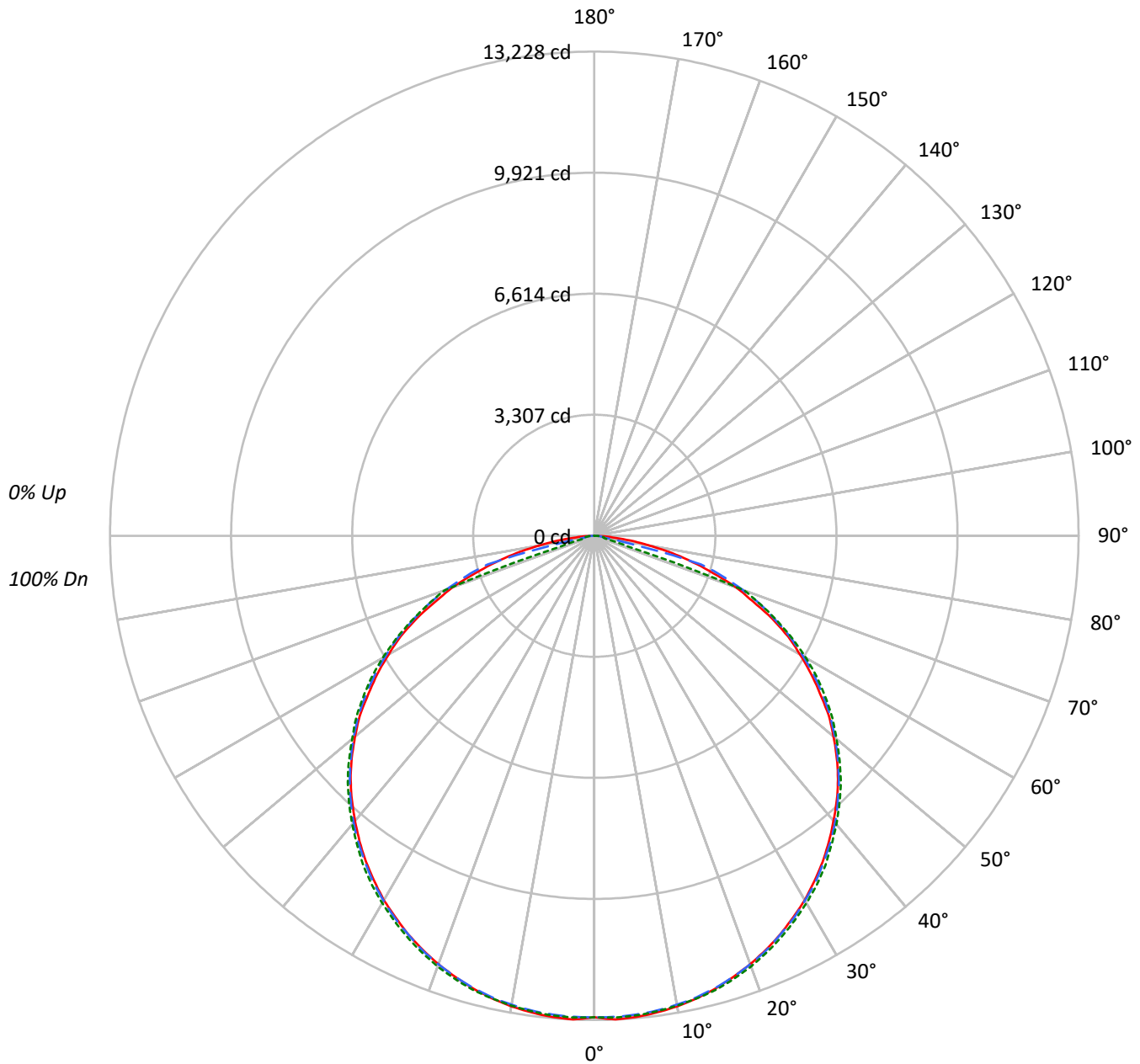
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85		
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70		
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59		
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50		
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43		
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	37		
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33		
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29		
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26		
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21239	21239	21239
5°	21392	21282	21320
10°	21404	21327	21370
15°	21401	21371	21469
20°	21399	21404	21515
25°	21409	21420	21550
30°	21433	21460	21602
35°	21429	21498	21677
40°	21432	21568	21685
45°	21492	21572	21746
50°	21427	21552	21692
55°	21191	21488	21720
60°	20951	21291	21556
65°	20487	20913	21070
70°	19450	20280	20529
75°	17349	18811	2267
80°	13951	2343	2480
85°	9283	3040	3094



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1249.4	3.2
10°-20°	3610.1	9.2
20°-30°	5546.8	14.1
30°-40°	6828.2	17.4
40°-50°	7279.6	18.5
50°-60°	6805.0	17.3
60°-70°	5387.0	13.7
70°-80°	2291.9	5.8
80°-90°	313.0	0.8
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°	10406.3	26.5
0°-40°	17234.5	43.8
0°-60°	31319.1	79.7
0°-90°	39311.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	39311.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13155	13155	13155	13155	13155	
5°	13198	13140	13131	13078	13155	###
15°	12803	12780	12785	12750	12844	3615
25°	12018	12003	12023	12018	12097	5541
35°	10872	10854	10907	10945	10998	6803
45°	9412	9360	9448	9486	9524	7253
55°	7528	7552	7634	7660	7716	6741
65°	5363	5410	5474	5515	5515	5276
75°	2781	2901	3015	492	363	2942
85°	501	150	164	170	167	653
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13154.6	13154.6	13154.6	13154.6	13154.6
2.5°	13227.8	13166.3	13154.6	13101.8	13172.2
5°	13198.5	13139.9	13131.1	13078.4	13154.6
7.5°	13137.0	13090.1	13084.3	13028.6	13104.8
10°	13055.0	13011.0	13008.1	12958.2	13034.4
12.5°	12943.6	12905.5	12917.2	12867.4	12943.6
15°	12802.9	12779.5	12785.4	12750.2	12844.0
17.5°	12633.0	12621.3	12633.0	12606.6	12691.6
20°	12454.2	12439.6	12457.1	12442.5	12521.6
22.5°	12246.2	12228.6	12263.7	12243.2	12316.5
25°	12017.6	12002.9	12023.4	12017.6	12096.7
27.5°	11756.8	11742.1	11786.1	11789.0	11850.6
30°	11496.0	11475.5	11510.6	11525.3	11586.8
32.5°	11185.4	11179.5	11232.2	11244.0	11308.4
35°	10871.8	10854.2	10907.0	10945.1	10997.8
37.5°	10528.9	10526.0	10581.7	10613.9	10640.3
40°	10168.5	10153.9	10233.0	10265.2	10288.6
42.5°	9802.2	9770.0	9846.2	9887.2	9913.6
45°	9412.5	9359.7	9447.6	9485.7	9523.8
47.5°	8984.6	8937.7	9022.7	9063.7	9090.1
50°	8530.4	8486.5	8580.2	8615.4	8635.9
52.5°	8073.3	8029.3	8128.9	8158.2	8208.1
55°	7528.2	7551.7	7633.7	7660.1	7715.8
57.5°	7024.2	7044.7	7123.8	7156.0	7220.5
60°	6487.9	6520.1	6593.4	6625.6	6675.5
62.5°	5969.2	5972.2	6060.1	6074.7	6112.8
65°	5362.6	5409.5	5474.0	5515.0	5515.0
67.5°	4685.7	4800.0	4911.4	4902.6	4926.0
70°	4120.1	4164.1	4296.0	4316.5	4348.7
72.5°	3411.0	3525.3	3671.8	2742.9	931.9
75°	2781.0	2901.1	3015.4	492.3	363.4
77.5°	2159.7	2253.5	1002.2	281.3	275.5
80°	1500.4	1649.8	252.0	257.9	266.7
82.5°	987.5	805.9	208.1	228.6	231.5
85°	501.1	149.5	164.1	170.0	167.0
87.5°	164.1	90.8	93.8	96.7	99.6
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)