

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: P730990

Luminaire Tested: **HBLED-LD5-36SE-N-CL-WG-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730990
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33344)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-36SE-N-CL-WG-UNV-L750
Description: 36000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS, WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34869.0 lumens
Efficiency: N/A
Efficacy: 153.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.81 / 0.91
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

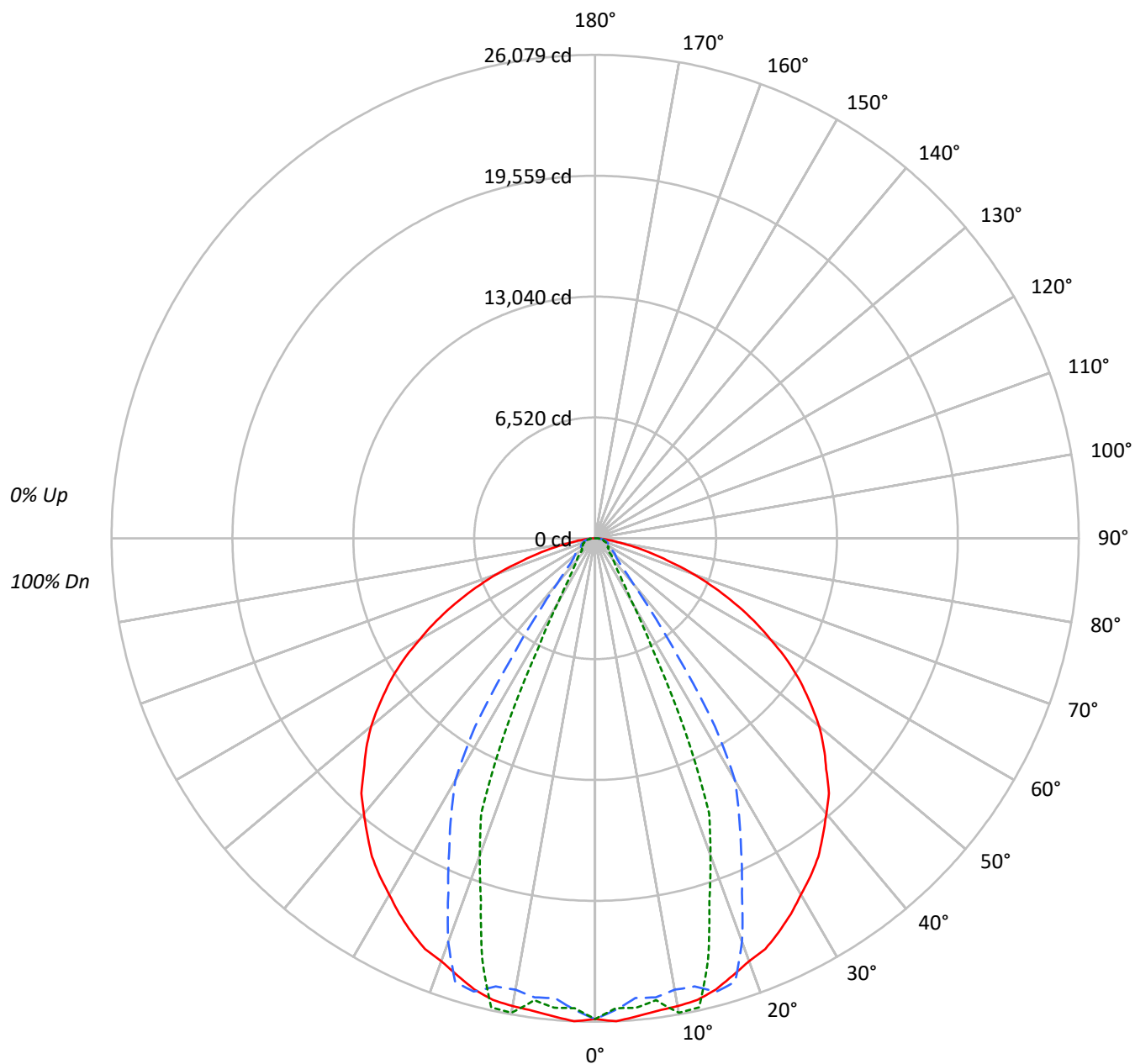
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	111	108	104	101	109	105	103	100		101	99	97			98	96	94			94
2	104	97	92	88	101	96	91	87		92	88	85			89	86	83			86
3	97	89	82	77	95	87	81	76		84	79	75			82	77	74			79
4	90	81	74	68	88	80	73	68		77	72	67			75	70	66			73
5	85	74	67	62	83	73	66	61		71	65	61			69	64	60			68
6	79	68	61	56	78	68	61	56		66	60	55			64	59	55			63
7	75	63	56	51	73	63	56	51		61	55	50			60	54	50			59
8	70	59	52	47	69	58	51	47		57	51	46			56	50	46			55
9	66	55	48	43	65	54	48	43		53	47	43			52	47	43			52
10	63	52	45	40	62	51	45	40		50	44	40			49	44	40			48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	41878	41878	41878
5°	41947	40349	41199
10°	42008	40544	42624
15°	42102	42321	39335
20°	41703	39805	31221
25°	41764	33184	20394
30°	41389	28112	7326
35°	41345	15229	4121
40°	40878	6639	3228
45°	40246	4103	2530
50°	39618	3574	2389
55°	38061	3100	2337
60°	35313	2777	2512
65°	31742	3139	2745
70°	26621	3375	2830
75°	19901	3849	3064
80°	12499	4470	3493
85°	8323	5602	5117



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2404.0	6.9
10°-20°	6788.4	19.5
20°-30°	8312.6	23.8
30°-40°	6528.0	18.7
40°-50°	4840.9	13.9
50°-60°	2947.0	8.5
60°-70°	1765.3	5.1
70°-80°	968.6	2.8
80°-90°	314.1	0.9
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°	17505.1	50.2
0°-40°	24033.1	68.9
0°-60°	31821.0	91.3
0°-90°	34869.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34869.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	25937	25937	25937	25937	25937	
5°	25881	25177	24895	25170	25420	###
15°	25188	24497	25318	24296	23532	7092
25°	23443	23516	18627	14610	11448	10792
35°	20976	19082	7726	2585	2091	13089
45°	17626	12656	1797	1362	1108	13630
55°	13521	3487	1101	932	830	12032
65°	8308	1028	822	773	718	8209
75°	3190	648	617	537	491	3454
85°	449	353	302	278	276	548
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	25937.3	25937.3	25937.3	25937.3	25937.3
2.5°	26078.9	25727.5	25458.4	25308.0	25369.1
5°	25881.3	25176.8	24895.4	25169.9	25419.9
7.5°	25710.0	24663.0	24981.1	25005.7	25136.7
10°	25622.7	24614.0	24729.3	25273.0	25998.4
12.5°	25507.4	24727.7	24767.8	25509.0	25918.0
15°	25187.5	24496.9	25318.5	24295.9	23532.0
17.5°	24720.7	23958.5	25087.7	21523.5	20485.2
20°	24271.4	23372.9	23166.7	19172.4	18170.8
22.5°	23981.3	23283.8	20695.0	17083.5	16048.6
25°	23442.9	23516.3	18627.1	14610.0	11447.9
27.5°	22850.3	22969.2	16798.6	9743.6	6558.6
30°	22200.0	22336.4	15078.4	5757.9	3929.6
32.5°	21611.0	20841.8	12042.2	3592.2	2732.1
35°	20976.4	19081.5	7726.3	2585.4	2090.7
37.5°	20177.6	17232.0	4891.0	2045.2	1755.1
40°	19394.5	15571.5	3150.0	1746.2	1531.3
42.5°	18662.0	14202.8	2291.7	1526.1	1382.8
45°	17625.5	12655.7	1797.0	1361.6	1108.2
47.5°	16728.7	10841.4	1571.5	1152.0	956.2
50°	15772.5	8289.2	1422.9	1024.4	951.0
52.5°	14638.0	5422.3	1314.5	980.6	887.9
55°	13521.1	3487.4	1101.2	931.7	830.3
57.5°	12314.9	2211.3	972.0	903.7	867.0
60°	10935.7	1491.0	860.1	856.5	777.9
62.5°	9659.6	1225.4	830.3	821.6	735.9
65°	8308.4	1027.8	821.6	772.6	718.4
67.5°	6958.9	881.1	743.0	706.1	659.0
70°	5639.2	805.9	715.0	699.2	599.5
72.5°	4282.6	664.2	634.5	592.6	498.3
75°	3190.1	648.5	617.0	536.6	491.2
77.5°	2158.8	597.9	561.2	480.7	444.1
80°	1344.3	548.9	480.7	421.3	375.7
82.5°	798.8	458.0	395.1	347.9	318.1
85°	449.3	353.1	302.4	278.0	276.2
87.5°	96.1	127.6	101.4	96.1	68.1
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)