

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: P730992

Luminaire Tested: **HBLED-LD5-36SE-N-CL-WG-UNV-L840**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730992
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-L840
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: 32501.0 lumens
Efficiency: N/A
Efficacy: 142.9 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

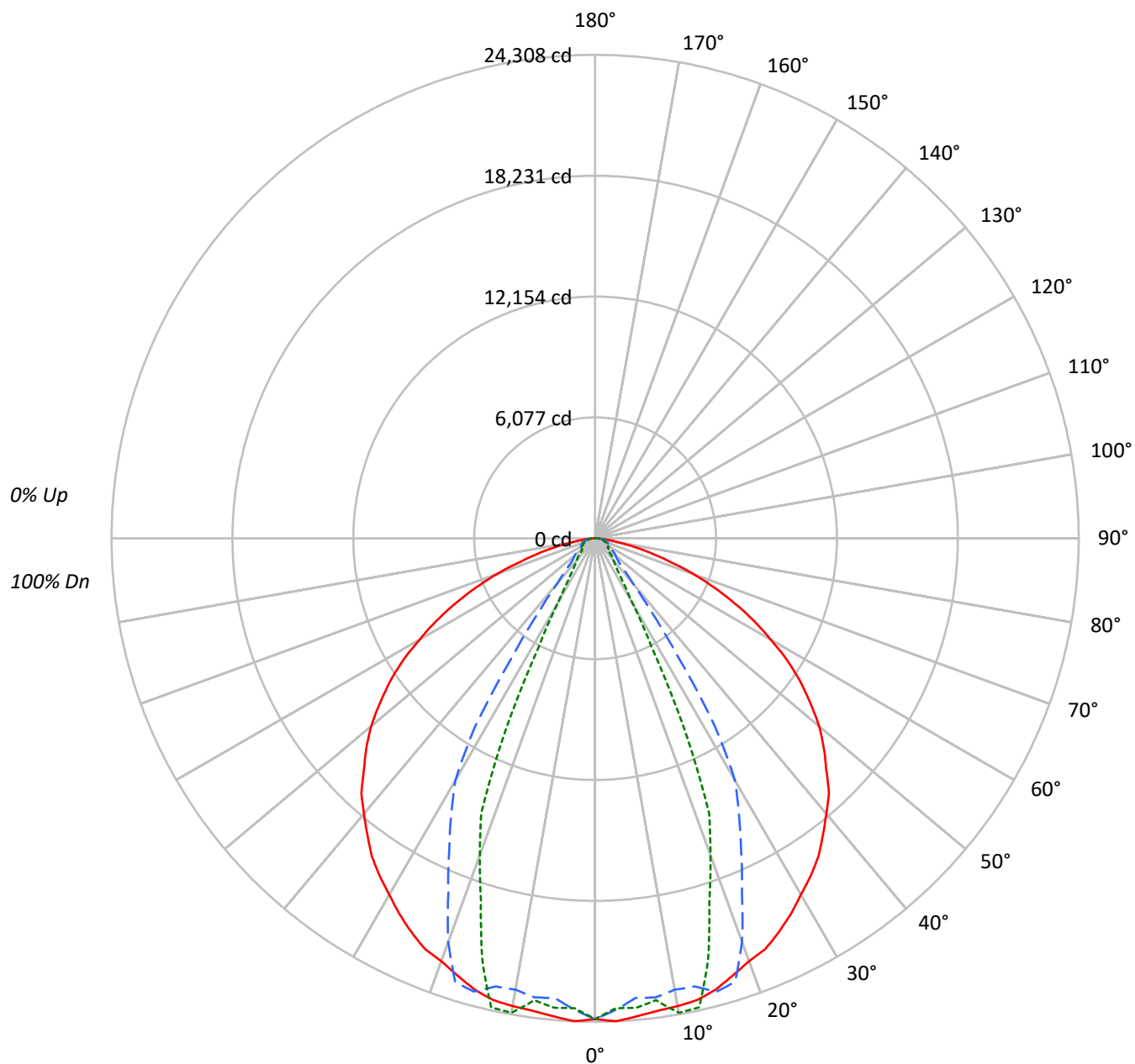
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81
3	97	89	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	59
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	52	46	43
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	48	43	40

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	39034	39034	39034
5°	39099	37609	38402
10°	39155	37790	39730
15°	39243	39447	36663
20°	38871	37102	29101
25°	38927	30931	19009
30°	38578	26203	6829
35°	38538	14195	3841
40°	38102	6188	3008
45°	37512	3825	2359
50°	36927	3331	2227
55°	35476	2889	2178
60°	32915	2589	2341
65°	29586	2926	2558
70°	24813	3146	2638
75°	18550	3588	2857
80°	11650	4166	3256
85°	7758	5220	4768



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2240.8	6.9
10°-20°	6327.4	19.5
20°-30°	7748.1	23.8
30°-40°	6084.6	18.7
40°-50°	4512.1	13.9
50°-60°	2746.9	8.5
60°-70°	1645.4	5.1
70°-80°	902.8	2.8
80°-90°	292.8	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°	16316.3	50.2
0°-40°	22401.0	68.9
0°-60°	29660.0	91.3
0°-90°	32501.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32501.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24176	24176	24176	24176	24176	
5°	24124	23467	23205	23461	23694	###
15°	23477	22833	23599	22646	21934	6610
25°	21851	21919	17362	13618	10670	10059
35°	19552	17786	7202	2410	1949	12200
45°	16428	11796	1675	1269	1033	12704
55°	12603	3251	1026	868	774	11215
65°	7744	958	766	720	670	7651
75°	2974	604	575	500	458	3220
85°	419	329	282	259	257	511
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	24175.9	24175.9	24175.9	24175.9	24175.9
2.5°	24307.8	23980.3	23729.5	23589.3	23646.3
5°	24123.7	23467.0	23204.7	23460.6	23693.6
7.5°	23964.0	22988.1	23284.6	23307.5	23429.6
10°	23882.6	22942.5	23049.9	23556.7	24232.8
12.5°	23775.1	23048.4	23085.8	23776.7	24157.9
15°	23477.0	22833.3	23599.1	22646.0	21933.9
17.5°	23041.8	22331.5	23384.0	20061.8	19094.0
20°	22623.1	21785.6	21593.4	17870.4	16936.8
22.5°	22352.7	21702.6	19289.6	15923.3	14958.7
25°	21850.8	21919.2	17362.1	13617.8	10670.5
27.5°	21298.5	21409.3	15657.8	9081.9	6113.2
30°	20692.4	20819.5	14054.5	5366.9	3662.8
32.5°	20143.3	19426.4	11224.4	3348.3	2546.6
35°	19551.9	17785.6	7201.6	2409.8	1948.7
37.5°	18807.3	16061.8	4558.8	1906.3	1635.9
40°	18077.4	14514.0	2936.1	1627.6	1427.3
42.5°	17394.6	13238.3	2136.0	1422.5	1288.9
45°	16428.5	11796.3	1675.0	1269.2	1033.0
47.5°	15592.6	10105.1	1464.7	1073.7	891.3
50°	14701.3	7726.3	1326.3	954.8	886.4
52.5°	13643.9	5054.1	1225.2	914.1	827.6
55°	12602.8	3250.6	1026.4	868.4	773.9
57.5°	11478.6	2061.1	906.0	842.3	808.1
60°	10193.0	1389.8	801.7	798.3	725.0
62.5°	9003.6	1142.1	773.9	765.8	686.0
65°	7744.2	958.0	765.8	720.2	669.6
67.5°	6486.3	821.2	692.5	658.2	614.2
70°	5256.2	751.2	666.4	651.8	558.8
72.5°	3991.8	619.1	591.5	552.4	464.4
75°	2973.5	604.4	575.1	500.2	457.9
77.5°	2012.2	557.3	523.1	448.1	413.9
80°	1253.0	511.6	448.1	392.7	350.2
82.5°	744.6	426.9	368.2	324.3	296.5
85°	418.8	329.2	281.8	259.1	257.4
87.5°	89.6	118.9	94.5	89.6	63.5
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)