

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: P730982

Luminaire Tested: **HBLED-LD5-36SE-N-CL-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730982
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23768)
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-UNV-L735
Description: 36000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33607.0 lumens
Efficiency: N/A
Efficacy: 147.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.63 / 0.78
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

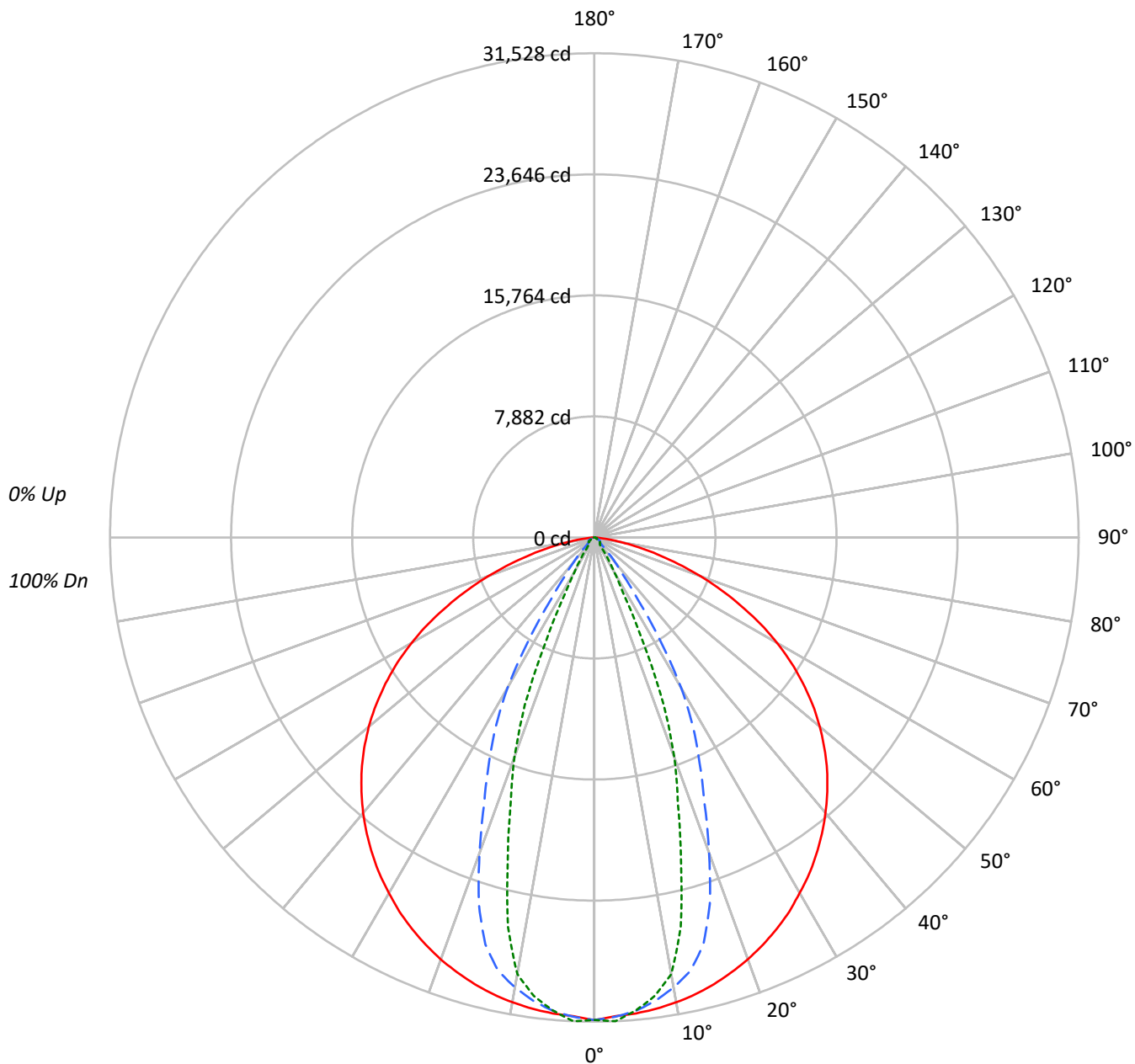
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	105	103	109	106	104	101	102	100	98	98	97	95	95	94	92	90		
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81		
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73		
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66		
5	86	76	69	64	85	75	69	64	73	68	63	72	67	63	70	66	62	60		
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	55		
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51		
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47		
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44		
10	65	54	48	43	64	54	47	43	53	47	43	52	47	43	51	46	43	41		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	50736	50736	50736
5°	50424	50161	50124
10°	50390	48774	47335
15°	50332	45865	36396
20°	50235	37533	26106
25°	50077	28919	13266
30°	49840	21105	4827
35°	49662	9692	1680
40°	49356	4399	1159
45°	48917	1641	1175
50°	48137	1192	1236
55°	46713	1254	942
60°	44390	1340	831
65°	40256	1020	676
70°	34516	736	623
75°	26382	653	592
80°	16507	613	643
85°	5213	715	865



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2925.5	8.7
10°-20°	7369.6	21.9
20°-30°	8025.8	23.9
30°-40°	6003.7	17.9
40°-50°	4316.8	12.8
50°-60°	2651.2	7.9
60°-70°	1525.6	4.5
70°-80°	680.9	2.0
80°-90°	108.0	0.3
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°	18320.9	54.5
0°-40°	24324.6	72.4
0°-60°	31292.6	93.1
0°-90°	33607.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	33607.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	31423	31423	31423	31423	31423	
5°	31112	31258	30949	30978	30927	###
15°	30111	29534	27439	23565	21774	8500
25°	28109	26093	16233	10415	7447	12957
35°	25196	18071	4917	1446	852	15761
45°	21423	10153	719	532	515	16504
55°	16594	2110	445	431	334	14795
65°	10537	232	267	222	177	10430
75°	4229	140	105	108	95	4589
85°	281	27	39	50	47	561
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	31423.4	31423.4	31423.4	31423.4	31423.4
2.5°	31204.8	31408.9	31236.9	31391.2	31527.9
5°	31111.5	31257.8	30949.1	30977.9	30926.6
7.5°	30950.6	30986.0	30428.1	30212.6	30108.1
10°	30735.1	30640.4	29749.5	29236.6	28871.6
12.5°	30463.5	30149.9	28905.2	27073.8	25982.0
15°	30111.3	29534.0	27438.8	23565.2	21773.8
17.5°	29691.7	28890.8	25010.7	19640.0	18089.9
20°	29236.6	28180.1	21844.5	16699.1	15193.9
22.5°	28699.5	27271.6	18721.8	13888.2	11822.0
25°	28109.4	26093.0	16232.7	10415.0	7446.7
27.5°	27472.7	24538.0	13928.4	6386.9	4026.4
30°	26732.9	22645.4	11320.3	3584.3	2588.9
32.5°	26010.9	20439.3	8086.7	2387.8	1654.6
35°	25195.6	18070.7	4917.2	1445.6	852.2
37.5°	24332.1	15917.5	3077.7	786.3	588.5
40°	23417.2	13875.3	2087.1	558.0	550.0
42.5°	22439.5	12027.7	1307.2	530.6	548.3
45°	21423.3	10152.8	718.8	532.3	514.6
47.5°	20320.3	8117.2	501.7	503.3	501.7
50°	19164.1	5822.5	474.4	496.9	492.1
52.5°	17917.9	3614.8	476.0	485.6	435.8
55°	16594.5	2109.6	445.4	431.0	334.5
57.5°	15203.5	1315.3	435.8	355.4	300.7
60°	13746.7	694.7	414.9	320.1	257.2
62.5°	12195.0	342.6	332.8	273.4	210.7
65°	10537.1	231.6	267.0	221.9	176.9
67.5°	8935.6	209.0	201.1	181.7	154.4
70°	7311.6	191.3	155.9	159.2	131.9
72.5°	5718.1	173.6	125.4	136.7	110.9
75°	4229.0	139.9	104.6	107.7	94.9
77.5°	2942.6	109.4	82.1	91.7	88.4
80°	1775.3	69.2	65.9	75.6	69.2
82.5°	860.3	45.0	51.5	59.4	54.6
85°	281.4	27.3	38.6	49.8	46.7
87.5°	35.4	16.1	32.1	43.4	40.2
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)