

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: P731007

Luminaire Tested: **HBLED-LD5-36SE-W-A-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P731007
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-L740
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: 33742.0 lumens
Efficiency: N/A
Efficacy: 148.3 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

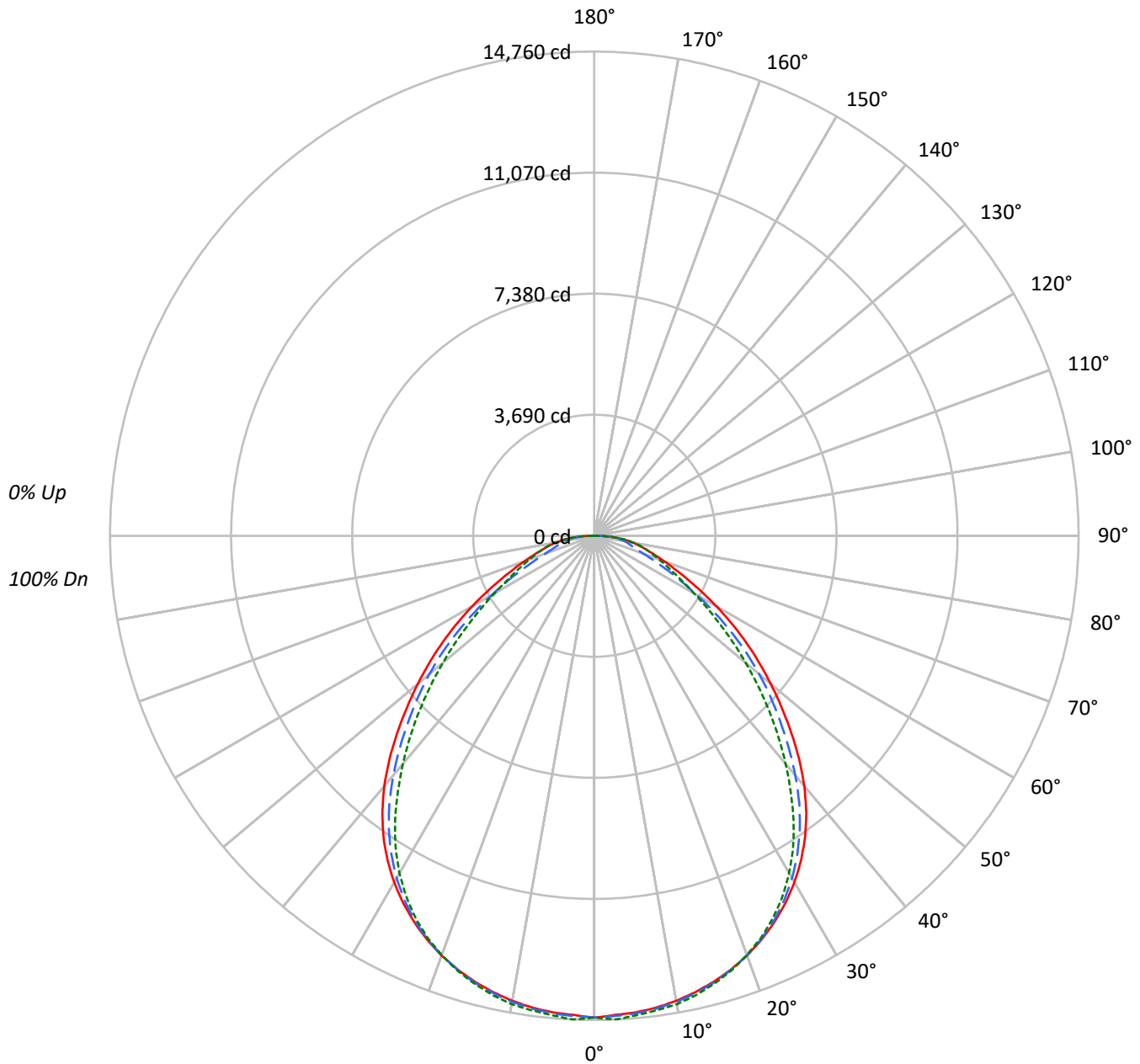
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	23716	23716	23716
5°	23632	23686	23782
10°	23598	23653	23772
15°	23519	23567	23622
20°	23396	23379	23362
25°	23143	23063	22933
30°	22743	22468	22140
35°	22082	21527	20864
40°	20984	20083	19119
45°	19385	18303	17195
50°	17622	16482	15125
55°	15845	14269	13075
60°	13865	11661	11346
65°	11955	9170	10240
70°	10659	7484	9869
75°	10210	7306	10313
80°	11044	8641	11490
85°	12399	10404	12521



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1392.1	4.1
10°-20°	3984.1	11.8
20°-30°	5959.8	17.7
30°-40°	6799.7	20.2
40°-50°	6189.6	18.3
50°-60°	4545.0	13.5
60°-70°	2683.6	8.0
70°-80°	1537.9	4.6
80°-90°	650.3	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°	11336.0	33.6
0°-40°	18135.7	53.7
0°-60°	28870.3	85.6
0°-90°	33742.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	33742.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14688	14688	14688	14688	14688	
5°	14581	14672	14614	14672	14674	###
15°	14070	14148	14099	14148	14132	3970
25°	12990	13037	12946	12941	12873	5980
35°	11203	11148	10922	10734	10585	6980
45°	8490	8440	8016	7656	7530	6543
55°	5629	5369	5069	4701	4645	5034
65°	3129	2732	2400	2568	2680	3149
75°	1637	1403	1171	1527	1653	1764
85°	669	618	562	663	676	700
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	14688.4	14688.4	14688.4	14688.4	14688.4
2.5°	14620.5	14705.0	14652.0	14710.0	14759.7
5°	14580.8	14671.9	14613.9	14671.9	14673.5
7.5°	14508.0	14592.3	14536.1	14599.1	14592.3
10°	14393.5	14478.1	14426.8	14494.7	14499.6
12.5°	14247.8	14329.0	14276.1	14353.9	14340.6
15°	14070.5	14148.4	14098.7	14148.4	14131.9
17.5°	13861.8	13933.1	13868.5	13923.2	13895.1
20°	13616.7	13676.3	13606.8	13658.1	13596.8
22.5°	13323.6	13376.5	13303.6	13331.7	13268.7
25°	12990.5	13036.8	12945.8	12940.8	12872.9
27.5°	12619.4	12644.3	12528.3	12488.5	12410.7
30°	12198.8	12205.3	12051.3	11976.8	11875.6
32.5°	11726.5	11710.1	11512.8	11401.9	11277.6
35°	11203.1	11148.5	10921.5	10734.4	10585.3
37.5°	10611.8	10525.7	10254.0	9977.3	9834.8
40°	9955.8	9854.7	9528.4	9185.4	9071.2
42.5°	9241.9	9155.7	8771.4	8413.5	8300.9
45°	8489.8	8440.1	8015.9	7656.5	7530.5
47.5°	7737.7	7701.2	7287.1	6921.0	6768.5
50°	7015.5	6935.9	6561.6	6160.6	6021.6
52.5°	6314.7	6152.3	5822.7	5411.9	5309.3
55°	5628.9	5368.9	5069.1	4701.3	4644.9
57.5°	4949.7	4613.4	4321.9	4046.9	4045.3
60°	4293.8	3909.4	3611.2	3467.1	3513.6
62.5°	3679.1	3284.9	2961.9	2971.8	3056.3
65°	3129.2	2731.6	2400.3	2567.6	2680.3
67.5°	2657.1	2277.7	1941.4	2252.9	2360.5
70°	2257.9	1914.9	1585.4	1974.5	2090.6
72.5°	1921.6	1633.3	1336.9	1742.6	1860.3
75°	1636.7	1403.0	1171.1	1527.4	1653.1
77.5°	1404.8	1197.7	1050.3	1321.8	1452.7
80°	1187.8	1005.6	929.3	1123.2	1235.7
82.5°	940.8	815.1	770.3	912.7	970.7
85°	669.3	617.8	561.6	662.6	675.9
87.5°	367.7	381.0	314.7	381.0	382.6
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)