

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: P731008

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P731008
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-L750
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: 34554.0 lumens
Efficiency: N/A
Efficacy: 151.9 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

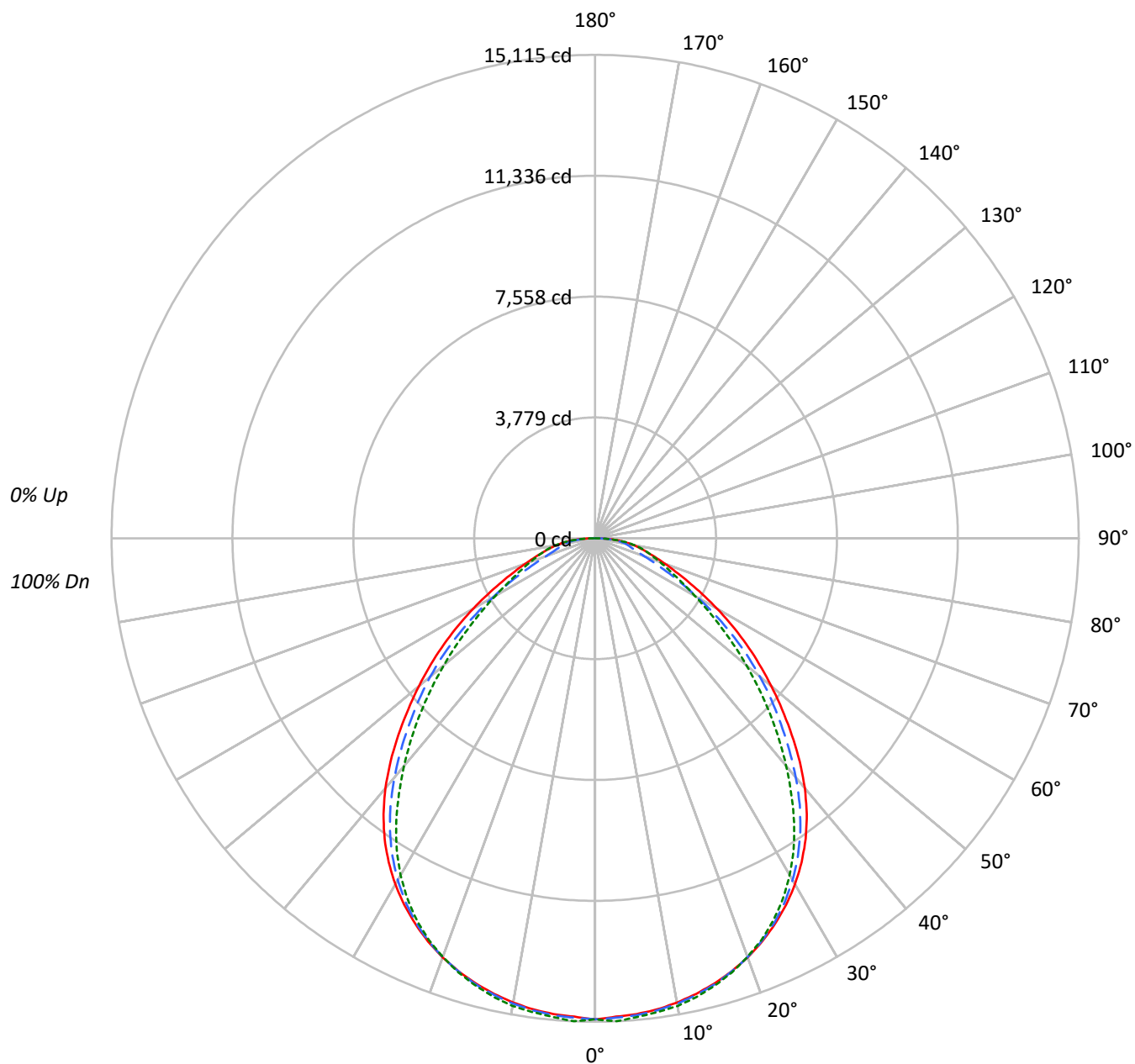
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	24286	24286	24286
5°	24201	24256	24354
10°	24166	24222	24344
15°	24085	24134	24191
20°	23959	23942	23924
25°	23699	23618	23485
30°	23290	23009	22673
35°	22613	22045	21366
40°	21489	20566	19579
45°	19852	18744	17609
50°	18046	16878	15489
55°	16226	14612	13390
60°	14199	11942	11619
65°	12243	9391	10486
70°	10915	7664	10107
75°	10456	7482	10561
80°	11309	8849	11766
85°	12697	10654	12821



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1425.6	4.1
10°-20°	4080.0	11.8
20°-30°	6103.2	17.7
30°-40°	6963.3	20.2
40°-50°	6338.6	18.3
50°-60°	4654.3	13.5
60°-70°	2748.2	8.0
70°-80°	1574.9	4.6
80°-90°	665.9	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°	11608.8	33.6
0°-40°	18572.1	53.7
0°-60°	29565.0	85.6
0°-90°	34554.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34554.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15042	15042	15042	15042	15042	
5°	14932	15025	14966	15025	15027	###
15°	14409	14489	14438	14489	14472	4066
25°	13303	13351	13257	13252	13183	6124
35°	11473	11417	11184	10993	10840	7148
45°	8694	8643	8209	7841	7712	6700
55°	5764	5498	5191	4814	4757	5155
65°	3204	2797	2458	2629	2745	3225
75°	1676	1437	1199	1564	1693	1807
85°	685	633	575	678	692	717
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	15041.9	15041.9	15041.9	15041.9	15041.9
2.5°	14972.3	15058.9	15004.6	15064.0	15114.9
5°	14931.7	15025.0	14965.6	15025.0	15026.6
7.5°	14857.1	14943.5	14885.9	14950.4	14943.5
10°	14739.9	14826.5	14774.0	14843.5	14848.6
12.5°	14590.6	14673.8	14619.6	14699.3	14685.7
15°	14409.1	14488.9	14438.0	14488.9	14472.0
17.5°	14195.4	14268.4	14202.3	14258.3	14229.4
20°	13944.3	14005.4	13934.2	13986.7	13924.1
22.5°	13644.2	13698.4	13623.7	13652.5	13588.1
25°	13303.1	13350.6	13257.3	13252.2	13182.7
27.5°	12923.1	12948.6	12829.8	12789.1	12709.4
30°	12492.3	12499.0	12341.3	12265.0	12161.4
32.5°	12008.7	11991.9	11789.9	11676.3	11549.0
35°	11472.7	11416.7	11184.3	10992.7	10840.0
37.5°	10867.2	10779.0	10500.7	10217.4	10071.4
40°	10195.3	10091.9	9757.7	9406.5	9289.5
42.5°	9464.3	9376.0	8982.4	8616.0	8500.6
45°	8694.1	8643.2	8208.8	7840.7	7711.8
47.5°	7923.9	7886.6	7462.5	7087.6	6931.4
50°	7184.3	7102.8	6719.5	6308.9	6166.5
52.5°	6466.6	6300.3	5962.9	5542.1	5437.0
55°	5764.3	5498.1	5191.0	4814.5	4756.7
57.5°	5068.8	4724.4	4425.9	4144.3	4142.6
60°	4397.1	4003.5	3698.1	3550.5	3598.1
62.5°	3767.7	3363.9	3033.2	3043.3	3129.9
65°	3204.5	2797.3	2458.0	2629.4	2744.8
67.5°	2721.0	2332.5	1988.2	2307.1	2417.3
70°	2312.2	1961.0	1623.5	2022.0	2140.9
72.5°	1967.9	1672.6	1369.0	1784.6	1905.0
75°	1676.1	1436.8	1199.3	1564.1	1692.9
77.5°	1438.6	1226.5	1075.6	1353.7	1487.7
80°	1216.3	1029.8	951.7	1150.2	1265.4
82.5°	963.5	834.7	788.9	934.7	994.1
85°	685.4	632.7	575.1	678.5	692.1
87.5°	376.6	390.2	322.3	390.2	391.8
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)