

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: P731026

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P731026
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33385)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-36SE-W-CL-WG-UNV-L750
Description: 36000 LUMEN, SE HBLED WITH WIDE 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 / 1.3 / 1.33
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

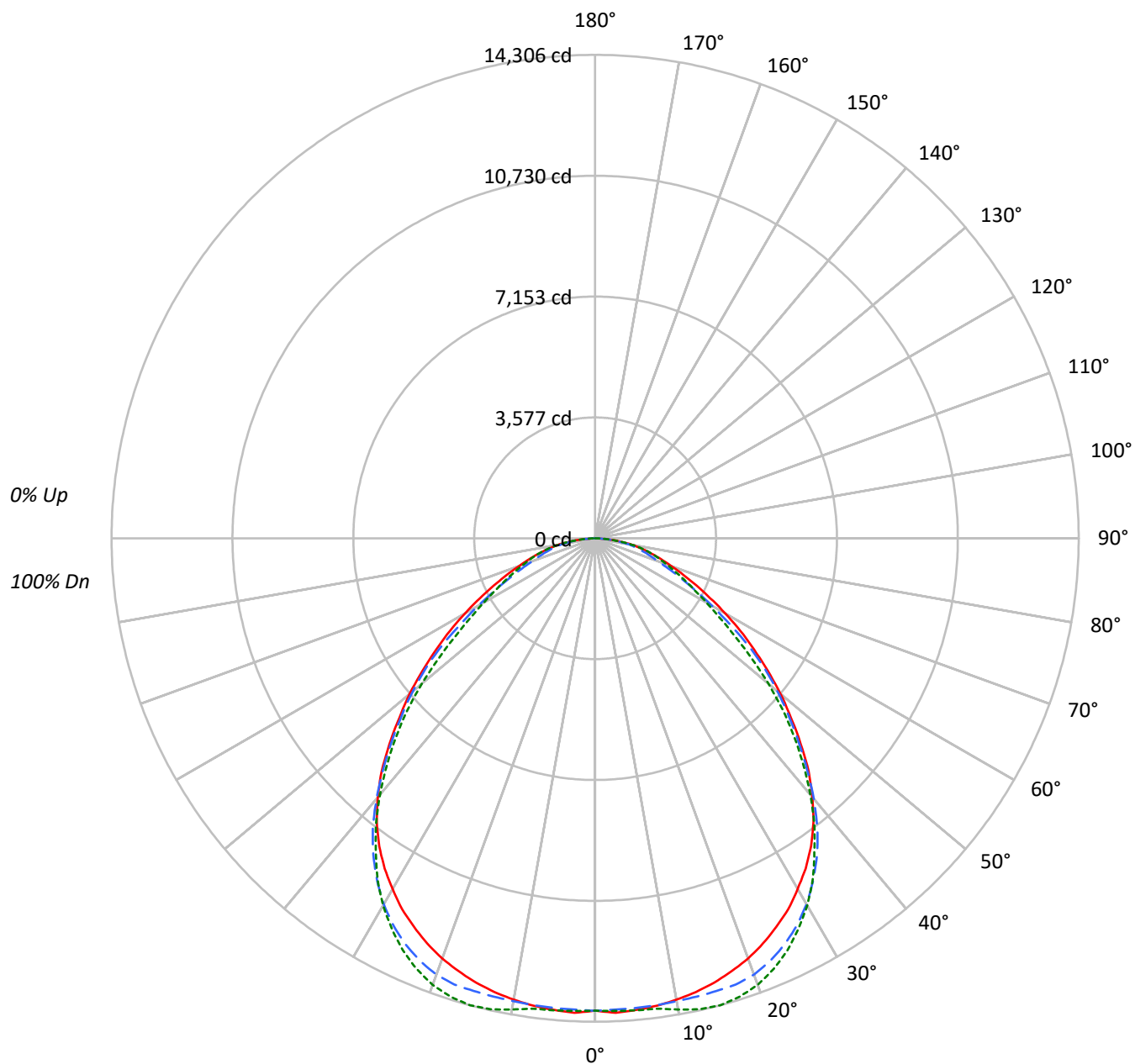
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65	63		
4	85	74	66	59	83	73	65	59	70	64	58	68	62	57	66	61	57	55		
5	79	67	58	52	77	65	57	52	63	56	51	61	55	50	60	54	50	48		
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44	42		
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	38		
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36	34		
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31		
10	56	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22574	22574	22574
5°	22707	22614	22725
10°	22727	22804	23212
15°	22756	23184	23913
20°	22740	23608	24160
25°	22602	23629	23976
30°	22342	23316	23391
35°	21943	22561	22291
40°	21077	21207	20872
45°	19639	19433	19038
50°	17981	17691	16785
55°	16151	15552	14192
60°	14324	12868	12251
65°	12620	10691	11118
70°	11287	9279	10589
75°	10573	9021	10709
80°	10294	9120	10193
85°	8216	7216	7482



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1331.9	3.8
10°-20°	3923.1	11.3
20°-30°	6035.3	17.3
30°-40°	7043.5	20.2
40°-50°	6545.3	18.8
50°-60°	4851.6	13.9
60°-70°	2965.9	8.5
70°-80°	1689.3	4.8
80°-90°	483.1	1.4
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°	11290.3	32.4
0°-40°	18333.8	52.6
0°-60°	29730.6	85.3
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°	13982	13982	13982	13982	13982	
5°	14010	13945	13952	13942	14021	###
15°	13614	13606	13870	14144	14306	3843
25°	12687	12784	13264	13376	13458	5844
35°	11132	11219	11446	11352	11309	6936
45°	8601	8651	8511	8377	8338	6628
55°	5738	5593	5525	5132	5042	5149
65°	3303	3000	2798	2874	2910	3306
75°	1695	1590	1446	1648	1717	1814
85°	444	433	390	404	404	511
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13981.5	13981.5	13981.5	13981.5	13981.5
2.5°	14057.2	13977.9	13963.4	13931.0	14003.0
5°	14010.4	13945.4	13952.5	13941.9	14021.2
7.5°	13956.2	13909.4	13938.2	13934.5	14039.2
10°	13862.5	13837.2	13909.4	13988.7	14158.2
12.5°	13757.8	13732.7	13891.4	14093.2	14277.2
15°	13613.7	13606.3	13869.7	14143.7	14306.0
17.5°	13433.3	13444.2	13844.4	14078.9	14223.0
20°	13235.0	13253.0	13739.8	13931.0	14060.9
22.5°	12979.0	13040.3	13537.8	13696.5	13797.5
25°	12686.8	12784.1	13263.8	13375.7	13458.5
27.5°	12373.1	12470.4	12924.8	12982.5	13029.5
30°	11983.6	12120.6	12506.4	12513.8	12546.1
32.5°	11586.9	11709.6	12005.2	11972.7	11979.9
35°	11132.5	11219.0	11446.2	11352.5	11309.2
37.5°	10609.7	10656.5	10800.7	10660.2	10652.8
40°	10000.1	10061.5	10061.5	9866.8	9902.8
42.5°	9351.1	9372.6	9282.6	9098.6	9127.4
45°	8600.9	8651.4	8510.7	8377.3	8337.7
47.5°	7858.0	7908.5	7760.6	7605.6	7537.1
50°	7158.4	7133.1	7043.1	6779.8	6682.4
52.5°	6433.6	6354.2	6318.2	5932.4	5820.5
55°	5737.5	5593.3	5524.8	5131.7	5041.5
57.5°	5092.0	4832.5	4702.6	4396.1	4359.9
60°	4435.8	4143.6	3984.9	3786.6	3793.7
62.5°	3840.7	3534.1	3343.0	3285.4	3310.5
65°	3303.4	3000.4	2798.5	2874.2	2910.2
67.5°	2816.5	2567.7	2340.5	2517.2	2553.2
70°	2391.0	2192.6	1965.5	2225.1	2243.1
72.5°	2037.5	1875.3	1684.1	1929.3	1969.0
75°	1694.9	1590.4	1446.1	1648.1	1716.6
77.5°	1395.6	1312.7	1229.7	1352.4	1428.1
80°	1107.1	1024.2	980.9	1045.7	1096.2
82.5°	782.5	728.5	685.2	732.0	757.4
85°	443.5	432.7	389.5	403.9	403.9
87.5°	101.0	115.3	129.8	119.0	101.0
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)