

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: P830366

Luminaire Tested: **OHBL-36HE-NL-UNV-L950-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830366
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36HE-NL-UNV-L950-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 5000K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

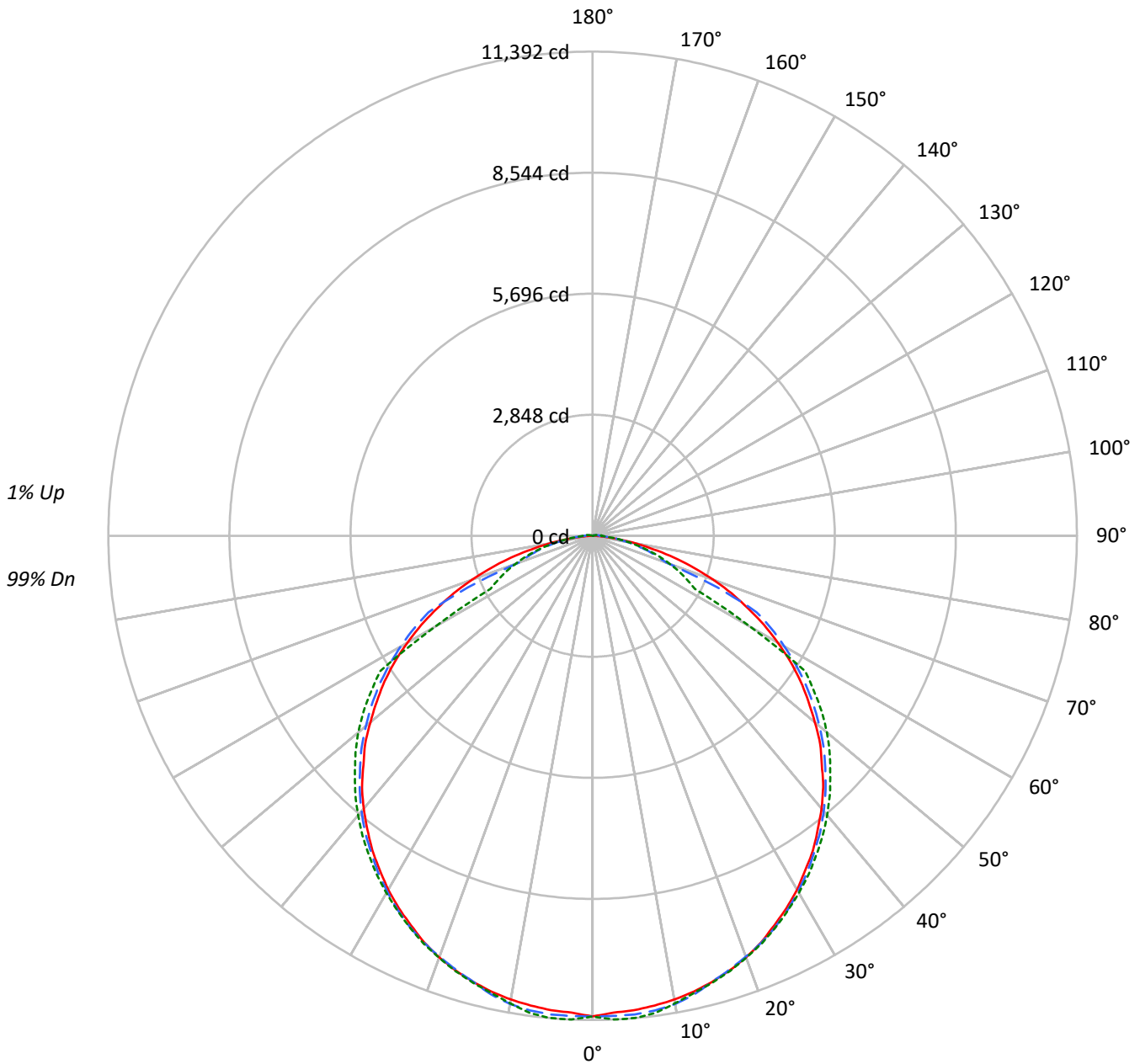
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31752.0 lumens
Efficiency: N/A
Efficacy: 149.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.8' x L: 3.78' x H: 0')
CIE Type: Direct

Input Watts (W): 212
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									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	99																			
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86	84																			
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73	71																			
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62	60																			
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53	51																			
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44																			
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39																			
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34																			
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30																			
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17885	17885	17885
5°	17787	17947	18083
10°	17791	17960	17938
15°	17788	17785	17824
20°	17764	17737	17781
25°	17643	17733	17746
30°	17561	17652	17721
35°	17447	17543	17707
40°	17297	17460	17719
45°	17047	17305	17682
50°	16790	17132	17698
55°	16469	16896	17504
60°	15917	16482	13627
65°	15060	15935	9171
70°	13929	8459	8901
75°	12149	8039	8499
80°	9343	7374	7790
85°	4716	7452	7632



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1074.4	3.4
10°-20°	3076.4	9.7
20°-30°	4680.9	14.7
30°-40°	5691.4	17.9
40°-50°	5984.2	18.8
50°-60°	5464.3	17.2
60°-70°	3502.9	11.0
70°-80°	1654.7	5.2
80°-90°	458.8	1.4
90°-100°	121.5	0.4
100°-110°	33.3	0.1
110°-120°	9.2	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°	8831.7	27.8
0°-40°	14523.1	45.7
0°-60°	25971.6	81.8
0°-90°	31588.0	99.5
90°-120°	164.0	0.5
90°-150°	164.0	0.5
90°-180°	164.0	0.5
0°-180°	31752.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11309	11309	11309	11309	11309	
5°	11204	11248	11305	11367	11391	###
15°	10865	10946	10863	10878	10886	3067
25°	10111	10126	10162	10178	10170	4665
35°	9037	8984	9087	9198	9172	5648
45°	7622	7608	7737	7920	7906	5891
55°	5973	5927	6128	6332	6348	5327
65°	4024	4024	4258	2443	2451	3990
75°	1988	2026	1316	1385	1391	2096
85°	260	329	411	445	421	384
90°	0	111	183	216	212	11
95°	6	58	131	177	177	3
105°	10	22	32	32	30	10
115°	10	14	20	14	2	7
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P830366

CATALOG NUMBER: OHBL-36HE-NL-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11309.2	11309.2	11309.2	11309.2	11309.2
2.5°	11229.8	11267.6	11309.2	11362.8	11392.4
5°	11204.0	11247.7	11305.3	11366.8	11390.6
7.5°	11148.5	11209.9	11265.5	11309.2	11323.1
10°	11079.0	11152.5	11184.2	11180.2	11170.4
12.5°	10985.7	11063.2	11053.3	11007.5	11015.5
15°	10864.7	10946.0	10862.8	10878.5	10886.5
17.5°	10721.8	10801.2	10704.0	10735.7	10737.8
20°	10555.2	10614.7	10539.2	10565.1	10565.1
22.5°	10354.8	10396.4	10364.7	10382.5	10386.5
25°	10110.6	10126.4	10162.1	10178.1	10170.1
27.5°	9876.6	9856.6	9926.2	9963.8	9943.8
30°	9616.5	9584.8	9666.1	9727.6	9703.9
32.5°	9318.8	9299.0	9392.3	9465.7	9451.8
35°	9037.1	8983.5	9086.6	9197.8	9171.9
37.5°	8703.6	8671.9	8788.9	8906.2	8892.3
40°	8378.2	8324.6	8457.6	8596.5	8582.6
42.5°	8029.0	7965.4	8110.3	8277.1	8261.2
45°	7622.1	7608.2	7737.2	7919.8	7905.9
47.5°	7261.1	7191.6	7372.1	7548.7	7564.7
50°	6824.3	6798.7	6963.4	7177.7	7193.5
52.5°	6397.8	6380.0	6552.5	6768.9	6796.6
55°	5973.0	5927.4	6127.9	6332.3	6348.3
57.5°	5518.8	5471.1	5675.5	5897.8	5931.4
60°	5032.4	4986.8	5211.0	5417.5	4308.2
62.5°	4546.3	4514.5	4748.8	3363.6	2710.9
65°	4024.4	4024.4	4258.4	2442.8	2450.8
67.5°	3536.3	3504.6	3175.2	2194.7	2194.7
70°	3012.4	3024.3	1829.5	1923.0	1924.9
72.5°	2486.5	2530.2	1579.7	1654.9	1658.9
75°	1988.3	2026.2	1315.6	1385.2	1391.0
77.5°	1460.6	1123.2	1057.6	1111.4	1113.3
80°	1025.9	708.4	809.7	861.2	855.3
82.5°	599.2	496.0	593.3	631.1	629.0
85°	259.9	329.4	410.7	444.6	420.6
87.5°	83.2	204.4	255.9	275.9	273.8
90°	0.0	111.1	182.6	216.2	212.4
92.5°	0.0	87.2	158.8	198.5	200.4
95°	5.9	57.6	131.1	176.7	176.7
97.5°	4.0	41.6	93.3	138.9	142.9
100°	4.0	33.6	61.6	99.2	101.3
102.5°	9.9	27.7	37.6	63.4	65.5
105°	9.9	21.8	31.7	31.7	29.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	12.0	16.0	21.8	16.0	1.9
115°	9.9	13.9	19.7	13.9	1.9
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	9.9	19.7	27.7	17.9	5.9
110°	12.0	17.9	23.7	16.0	1.9



(END OF REPORT)