

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: P830316

Luminaire Tested: **OHBL-36HE-A-UNV-L935-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830316
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36HE-A-UNV-L935-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

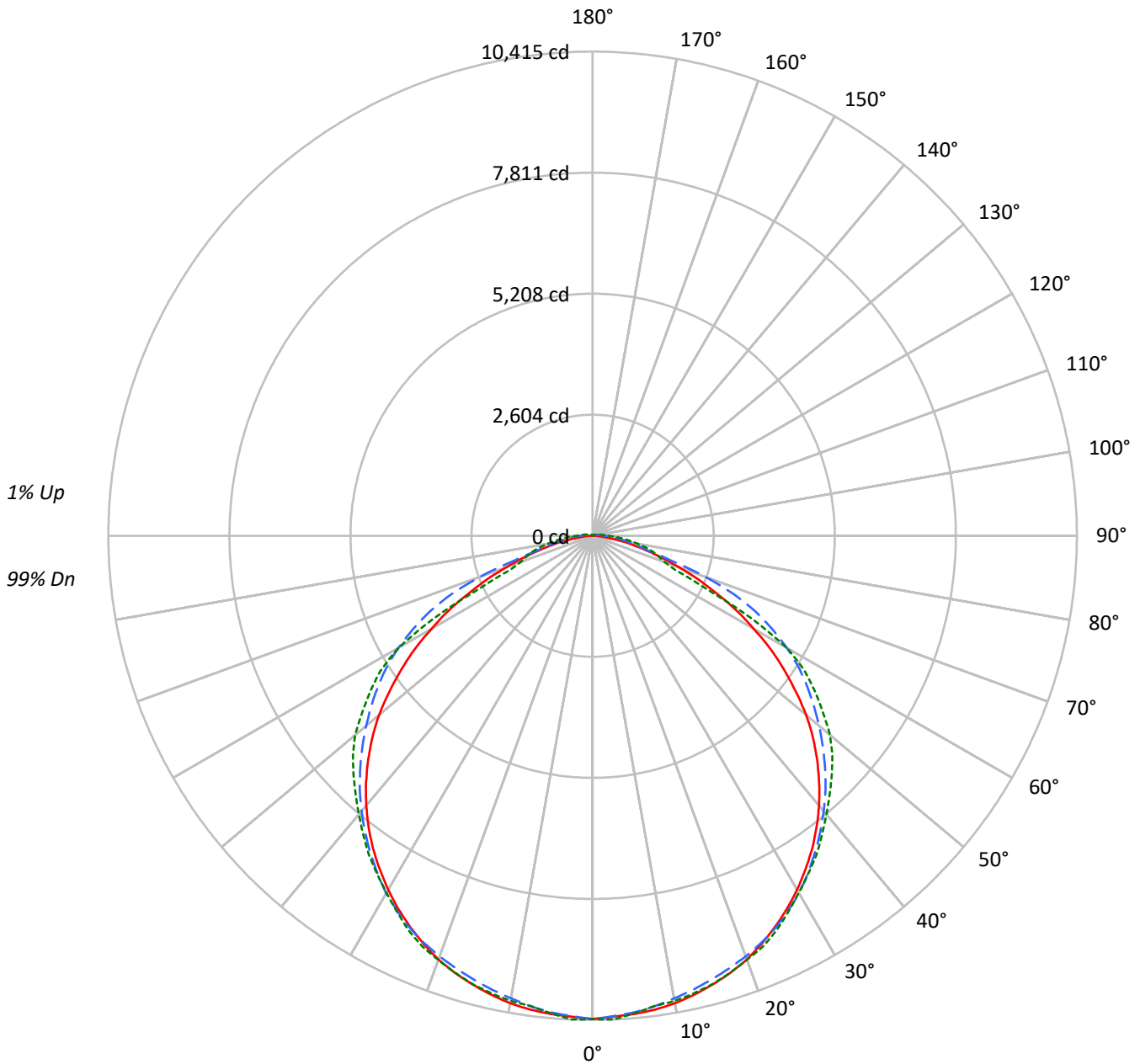
Lumens per Lamp: N/A
Luminaire Lumens: 29378.9 lumens
Efficiency: N/A
Efficacy: 138.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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

TEST NUMBER: P830316

CATALOG NUMBER: OHBL-36HE-A-UNV-L935-CD

Luminous Intensity Polar Plot





TEST NUMBER: P830316

CATALOG NUMBER: OHBL-36HE-A-UNV-L935-CD

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	110	110	110	106	106	106	101	101	101				99																
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86				83																
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72				70																
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61				59																
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53				51																
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46				44																
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40				38																
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36				34																
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32				30																
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29				27																
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26				24																

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16438	16438	16438
5°	16331	16200	16234
10°	16271	15954	16053
15°	16168	15771	15946
20°	16065	15655	15805
25°	15871	15539	15665
30°	15660	15355	15368
35°	15408	15064	15205
40°	15080	14763	14983
45°	14626	14415	14884
50°	14010	14019	14766
55°	13033	13629	14215
60°	11752	13059	13142
65°	10082	12000	8329
70°	8120	9368	6038
75°	6088	5561	6128
80°	4237	4624	5851
85°	2412	4237	5484



TEST NUMBER: P830316

CATALOG NUMBER: OHBL-36HE-A-UNV-L935-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	980.1	3.3
10°-20°	2810.4	9.6
20°-30°	4292.4	14.6
30°-40°	5208.2	17.7
40°-50°	5458.7	18.6
50°-60°	4946.4	16.8
60°-70°	3316.3	11.3
70°-80°	1489.2	5.1
80°-90°	540.4	1.8
90°-100°	162.7	0.6
100°-110°	76.7	0.3
110°-120°	38.5	0.1
120°-130°	21.2	0.1
130°-140°	14.6	0.0
140°-150°	9.8	0.0
150°-160°	7.3	0.0
160°-170°	4.7	0.0
170°-180°	1.5	0.0
0°-30°	8082.9	27.5
0°-40°	13291.1	45.2
0°-60°	23696.1	80.7
0°-90°	29042.1	98.9
90°-120°	277.9	0.9
90°-150°	323.4	1.1
90°-180°	337.0	1.1
0°-180°	29378.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10394	10394	10394	10394	10394	
5°	10327	10363	10291	10322	10309	982
15°	9992	9952	9882	9969	9981	2821
25°	9282	9242	9306	9392	9365	4279
35°	8227	8247	8331	8420	8386	5142
45°	6828	6939	7068	7249	7271	5260
55°	5024	5266	5626	5851	5837	4485
65°	2949	3410	3872	3267	2668	2938
75°	1160	1683	1238	1267	1350	1268
85°	200	383	492	594	622	244
90°	2	128	254	319	334	12
95°	2	80	174	212	218	2
105°	6	35	86	104	108	7
115°	12	18	44	56	59	11
125°	10	12	27	32	33	10
135°	14	15	16	24	26	11
145°	14	15	15	16	18	9
155°	15	16	16	16	15	7
165°	16	16	16	16	16	5
175°	16	16	15	14	14	2
180°	15	15	15	15	15	



TEST NUMBER: P830316

CATALOG NUMBER: OHBL-36HE-A-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10394.3	10394.3	10394.3	10394.3	10394.3
2.5°	10352.2	10395.8	10341.7	10400.3	10415.4
5°	10326.7	10362.8	10290.6	10322.2	10308.6
7.5°	10280.1	10292.1	10206.4	10232.0	10204.9
10°	10211.0	10204.9	10104.2	10153.8	10159.9
12.5°	10108.8	10090.7	10000.5	10075.7	10077.2
15°	9991.5	9952.5	9881.8	9969.0	9981.0
17.5°	9856.3	9805.2	9758.6	9871.3	9853.3
20°	9698.5	9638.3	9629.3	9752.6	9707.5
22.5°	9503.1	9456.5	9477.5	9594.8	9566.2
25°	9282.1	9241.6	9306.2	9391.9	9364.8
27.5°	9049.2	9025.1	9098.8	9164.9	9112.3
30°	8793.7	8780.2	8877.9	8932.0	8865.8
32.5°	8515.6	8520.2	8613.3	8687.0	8625.4
35°	8227.1	8246.6	8330.8	8419.5	8386.4
37.5°	7910.0	7953.5	8037.7	8138.4	8103.8
40°	7574.8	7637.9	7731.1	7852.8	7821.3
42.5°	7212.6	7292.3	7412.5	7547.8	7544.7
45°	6827.8	6939.1	7068.3	7248.7	7271.2
47.5°	6428.1	6552.8	6716.6	6957.1	6991.7
50°	5993.7	6150.0	6354.4	6643.0	6664.0
52.5°	5509.8	5723.2	5993.7	6270.3	6244.7
55°	5024.3	5266.3	5625.5	5850.9	5837.4
57.5°	4540.4	4812.4	5248.3	5409.1	5407.6
60°	3999.3	4343.5	4819.9	4941.7	4821.4
62.5°	3498.8	3868.6	4363.0	4274.4	3862.5
65°	2948.8	3410.2	3871.6	3267.4	2667.7
67.5°	2460.3	2941.2	3288.4	2237.9	1916.2
70°	1968.8	2499.4	2564.0	1660.7	1638.2
72.5°	1533.0	2098.1	1769.0	1421.8	1493.9
75°	1160.3	1683.3	1238.4	1267.0	1349.6
77.5°	846.2	1292.5	963.4	1110.7	1178.3
80°	581.6	915.3	786.0	933.3	979.9
82.5°	365.2	604.2	629.7	751.5	799.6
85°	199.9	383.2	491.5	593.7	622.2
87.5°	82.7	231.5	375.7	458.4	482.4
90°	1.5	127.7	254.0	318.6	333.7
92.5°	1.5	97.7	207.4	257.0	267.5
95°	1.5	79.7	174.3	211.9	217.9
97.5°	3.0	63.1	145.8	175.8	181.9
100°	4.5	52.6	121.7	147.3	151.8
102.5°	6.0	42.1	102.2	123.2	127.7
105°	6.0	34.6	85.7	103.7	108.2



TEST NUMBER: P830316

CATALOG NUMBER: OHBL-36HE-A-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	10.5	21.0	51.1	64.6	67.6
115°	12.0	18.0	43.6	55.6	58.6
117.5°	12.0	15.0	37.6	46.6	49.6
120°	12.0	13.5	33.1	40.6	42.1
122.5°	12.0	12.0	28.6	36.1	37.6
125°	10.5	12.0	27.1	31.6	33.1
127.5°	12.0	12.0	24.0	28.6	30.1
130°	12.0	13.5	21.0	27.1	27.1
132.5°	13.5	15.0	19.5	25.5	25.5
135°	13.5	15.0	16.5	24.0	25.5
137.5°	15.0	15.0	15.0	22.5	24.0
140°	15.0	15.0	13.5	19.5	21.0
142.5°	13.5	15.0	13.5	18.0	19.5
145°	13.5	15.0	15.0	16.5	18.0
147.5°	15.0	15.0	15.0	15.0	16.5
150°	15.0	15.0	15.0	15.0	15.0
152.5°	15.0	15.0	15.0	15.0	15.0
155°	15.0	16.5	16.5	16.5	15.0
157.5°	15.0	16.5	16.5	16.5	16.5
160°	15.0	16.5	16.5	16.5	16.5
162.5°	16.5	16.5	16.5	16.5	16.5
165°	16.5	16.5	16.5	16.5	16.5
167.5°	16.5	18.0	16.5	16.5	16.5
170°	16.5	16.5	16.5	15.0	15.0
172.5°	16.5	16.5	16.5	15.0	15.0
175°	16.5	16.5	15.0	13.5	13.5
177.5°	18.0	16.5	15.0	13.5	12.0
180°	15.0	15.0	15.0	15.0	15.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	7.5	28.6	73.6	88.7	91.7
110°	9.0	24.0	61.6	75.1	78.2



(END OF REPORT)