

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: P830351

Luminaire Tested: **OHBL-36HE-N-UNV-L930-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830351
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36HE-N-UNV-L930-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

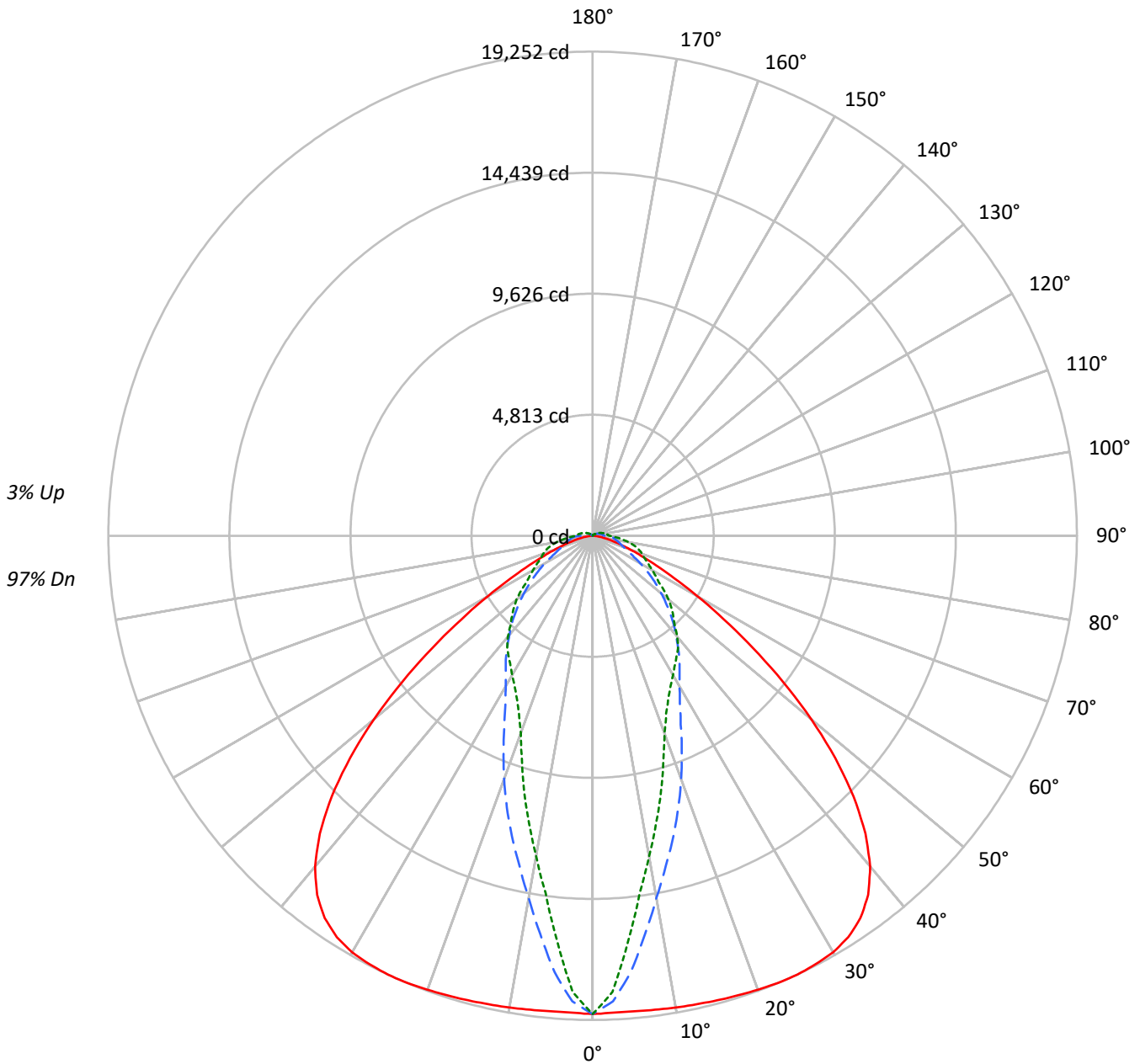
Lumens per Lamp: N/A
Luminaire Lumens: 28069.0 lumens
Efficiency: N/A
Efficacy: 132.4 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 212
Input Voltage (V): NR
Input Current (A_{in}): 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: P830351

CATALOG NUMBER: OHBL-36HE-N-UNV-L930-CD

Luminous Intensity Polar Plot





TEST NUMBER: P830351

CATALOG NUMBER: OHBL-36HE-N-UNV-L930-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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	97																	
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	85	85	85	82																	
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	71																	
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	62																	
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	54																	
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	48																	
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	43																	
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	39																	
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	35																	
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	32																	
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	30																	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	30077	30077	30077
5°	30016	27403	25483
10°	30354	23093	20446
15°	30947	19759	16793
20°	31816	16715	13591
25°	32917	13842	11917
30°	34055	11931	11079
35°	34763	10879	10564
40°	34168	9834	10031
45°	31433	8893	9296
50°	26520	7863	8735
55°	20152	6894	7784
60°	14122	5919	7465
65°	9499	5105	7324
70°	6487	4801	7706
75°	4502	4966	8269
80°	3099	5526	8571
85°	1812	6975	9110



TEST NUMBER: P830351

CATALOG NUMBER: OHBL-36HE-N-UNV-L930-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1600.9	5.7
10°-20°	3766.1	13.4
20°-30°	4720.8	16.8
30°-40°	5009.3	17.8
40°-50°	4529.2	16.1
50°-60°	3283.9	11.7
60°-70°	2060.8	7.3
70°-80°	1363.8	4.9
80°-90°	785.7	2.8
90°-100°	380.7	1.4
100°-110°	262.7	0.9
110°-120°	162.1	0.6
120°-130°	78.5	0.3
130°-140°	36.1	0.1
140°-150°	19.7	0.1
150°-160°	8.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	10087.8	35.9
0°-40°	15097.1	53.8
0°-60°	22910.2	81.6
0°-90°	27120.5	96.6
90°-120°	805.5	2.9
90°-150°	939.9	3.3
90°-180°	948.0	3.4
0°-180°	28069.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19018	19018	19018	19018	19018	
5°	18980	18493	17407	16600	16182	###
15°	19125	15588	12381	11011	10511	5424
25°	19252	12053	8290	7358	7124	8894
35°	18562	8013	6017	5828	5827	11539
45°	14674	5075	4360	4465	4541	11179
55°	7769	3146	2845	3086	3197	7019
65°	2778	1824	1647	2110	2346	2891
75°	858	983	1106	1718	1821	956
85°	150	407	809	1126	1034	180
90°	0	170	469	661	666	10
95°	7	120	413	561	586	6
105°	14	80	300	398	409	15
115°	20	56	203	253	259	19
125°	22	29	103	130	128	19
135°	18	22	45	71	71	14
145°	22	24	27	42	40	13
155°	22	27	29	31	27	7
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P830351

CATALOG NUMBER: OHBL-36HE-N-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	19018.2	19018.2	19018.2	19018.2	19018.2
2.5°	18978.4	18869.8	18531.3	18325.0	18151.2
5°	18980.2	18493.3	17407.3	16600.0	16181.9
7.5°	19007.4	17925.0	15968.3	14790.0	14330.2
10°	19049.0	17220.9	14625.2	13369.1	12940.1
12.5°	19079.8	16428.1	13443.3	12152.7	11682.1
15°	19125.0	15588.2	12380.8	11010.6	10511.0
17.5°	19166.7	14797.2	11330.9	9899.2	9343.5
20°	19208.3	13944.7	10281.1	8805.9	8348.0
22.5°	19248.1	13045.1	9256.6	7957.0	7643.9
25°	19251.7	12053.2	8290.1	7357.9	7124.4
27.5°	19204.7	11025.0	7506.3	6856.5	6711.7
30°	19123.2	10027.7	6898.1	6494.5	6391.3
32.5°	18920.5	9010.5	6427.5	6145.1	6085.4
35°	18562.1	8013.1	6016.6	5828.4	5826.6
37.5°	17997.4	7128.0	5571.3	5538.8	5578.6
40°	17162.9	6353.3	5149.6	5236.5	5236.5
42.5°	16049.8	5680.0	4767.7	4856.4	4832.8
45°	14674.1	5075.4	4360.4	4465.4	4541.4
47.5°	13079.5	4543.2	3944.1	4146.8	4251.8
50°	11345.4	4036.4	3564.0	3822.8	3942.3
52.5°	9528.1	3567.6	3192.9	3489.8	3585.7
55°	7768.8	3145.9	2845.4	3086.1	3196.6
57.5°	6175.9	2744.0	2505.1	2733.2	2961.2
60°	4805.7	2398.3	2184.7	2510.5	2738.6
62.5°	3670.8	2090.6	1884.3	2302.4	2530.5
65°	2778.4	1824.5	1647.1	2110.5	2345.8
67.5°	2094.2	1594.7	1462.5	1971.1	2201.0
70°	1572.9	1372.0	1314.1	1884.3	2090.6
72.5°	1162.1	1167.5	1196.4	1808.2	1965.7
75°	858.0	982.9	1105.9	1717.7	1820.9
77.5°	613.6	814.5	1024.5	1609.1	1645.3
80°	425.4	664.3	939.4	1466.1	1435.4
82.5°	266.1	532.2	863.4	1308.7	1223.6
85°	150.2	407.3	809.1	1125.9	1033.5
87.5°	67.0	304.1	707.7	877.9	820.0
90°	0.0	170.1	468.8	660.7	666.1
92.5°	3.6	141.2	432.6	604.6	622.7
95°	7.2	119.5	412.7	561.1	586.5
97.5°	9.1	105.0	387.4	521.3	543.0
100°	10.9	94.1	356.6	479.7	497.8
102.5°	12.7	86.9	327.6	436.2	450.7
105°	14.5	79.6	300.5	398.2	409.1



TEST NUMBER: P830351

CATALOG NUMBER: OHBL-36HE-N-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	18.1	61.5	226.3	286.0	295.0
115°	19.9	56.1	202.7	253.4	258.8
117.5°	21.7	48.9	177.4	222.6	224.4
120°	21.7	43.4	152.0	190.1	190.1
122.5°	21.7	36.2	126.7	157.5	155.7
125°	21.7	29.0	103.2	130.3	128.5
127.5°	19.9	23.5	83.3	108.6	106.8
130°	19.9	23.5	67.0	92.3	92.3
132.5°	18.1	21.7	54.3	79.6	79.6
135°	18.1	21.7	45.3	70.6	70.6
137.5°	18.1	23.5	38.0	61.5	61.5
140°	18.1	21.7	32.6	54.3	54.3
142.5°	19.9	21.7	29.0	47.1	47.1
145°	21.7	23.5	27.2	41.6	39.8
147.5°	21.7	25.3	27.2	36.2	34.4
150°	21.7	27.2	27.2	32.6	30.8
152.5°	21.7	27.2	27.2	30.8	29.0
155°	21.7	27.2	29.0	30.8	27.2
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°	14.5	74.2	275.1	356.6	369.3
110°	16.3	67.0	251.6	318.6	331.2



(END OF REPORT)