

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: P830371

Luminaire Tested: **OHBL-36HE-W-UNV-L830-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830371
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36HE-W-UNV-L830-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 3000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

Summary

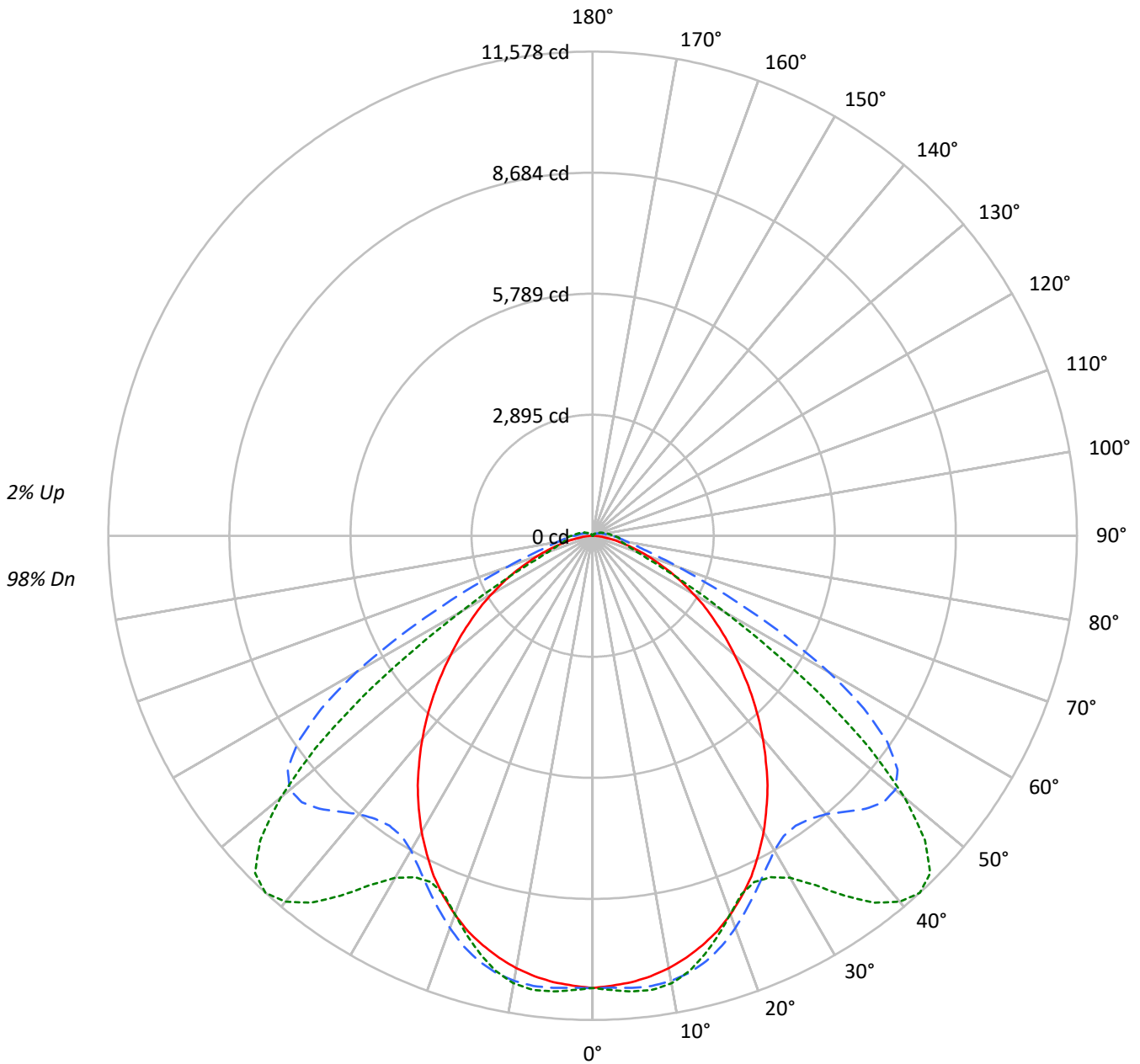
Lumens per Lamp: N/A
Luminaire Lumens: 32381.0 lumens
Efficiency: N/A
Efficacy: 152.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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: P830371

CATALOG NUMBER: OHBL-36HE-W-UNV-L830-CD

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	110	110	110	105	105	105	100	100	100					98															
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85					83															
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72					70															
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61					59															
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52					50															
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45					43															
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40					38															
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35					33															
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31					29															
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28					26															
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25					24															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17103	17103	17103
5°	16944	17087	17225
10°	16731	17069	17173
15°	16405	16794	16551
20°	15958	16224	15670
25°	15359	15533	15284
30°	14564	15021	16364
35°	13655	15307	19045
40°	12602	16588	21883
45°	11501	18829	23360
50°	10352	20838	21564
55°	9272	20831	16318
60°	8173	17644	9858
65°	7012	12201	5878
70°	5697	7902	4154
75°	4334	5679	3729
80°	3111	5010	3985
85°	2111	5552	5615



TEST NUMBER: P830371

CATALOG NUMBER: OHBL-36HE-W-UNV-L830-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1033.5	3.2
10°-20°	2926.5	9.0
20°-30°	4282.4	13.2
30°-40°	5561.6	17.2
40°-50°	6791.3	21.0
50°-60°	5980.9	18.5
60°-70°	3116.7	9.6
70°-80°	1336.5	4.1
80°-90°	641.9	2.0
90°-100°	301.6	0.9
100°-110°	187.4	0.6
110°-120°	110.8	0.3
120°-130°	60.2	0.2
130°-140°	30.2	0.1
140°-150°	14.5	0.0
150°-160°	5.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	8242.3	25.5
0°-40°	13803.8	42.6
0°-60°	26576.0	82.1
0°-90°	31671.1	97.8
90°-120°	599.8	1.9
90°-150°	704.8	2.2
90°-180°	710.0	2.2
0°-180°	32381.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10815	10815	10815	10815	10815	
5°	10714	10796	10854	10950	10938	###
15°	10138	10423	10523	10444	10360	2855
25°	8983	9464	9303	9128	9137	4122
35°	7291	8061	8465	9872	10504	4545
45°	5369	6755	9233	11179	11412	4140
55°	3575	5917	8598	7539	6701	3208
65°	2051	4100	3936	2189	1883	2029
75°	826	1918	1265	866	821	901
85°	175	684	644	630	637	195
90°	2	247	425	485	497	12
95°	5	145	338	397	408	4
105°	9	82	219	264	268	10
115°	14	47	135	166	170	14
125°	16	23	79	103	105	14
135°	14	14	37	63	65	11
145°	19	14	16	30	35	11
155°	19	19	14	14	14	6
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P830371

CATALOG NUMBER: OHBL-36HE-W-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10814.7	10814.7	10814.7	10814.7	10814.7
2.5°	10768.0	10814.7	10817.0	10882.3	10875.3
5°	10714.3	10796.0	10854.3	10950.0	10938.3
7.5°	10625.7	10754.0	10856.7	10961.7	10952.3
10°	10499.7	10674.7	10810.0	10896.3	10868.3
12.5°	10336.3	10567.3	10700.3	10719.0	10665.3
15°	10138.0	10422.7	10523.0	10443.7	10359.7
17.5°	9914.0	10247.7	10282.7	10110.0	10005.0
20°	9634.0	10014.4	9979.4	9741.4	9624.7
22.5°	9323.7	9757.7	9645.7	9396.0	9284.0
25°	8983.1	9463.7	9302.7	9127.7	9137.0
27.5°	8584.1	9130.0	8973.7	9053.1	9202.4
30°	8178.1	8780.1	8684.4	9146.4	9440.4
32.5°	7732.4	8420.7	8507.1	9419.4	9900.0
35°	7291.4	8061.4	8465.1	9872.0	10504.3
37.5°	6803.8	7697.4	8532.7	10394.7	11057.3
40°	6330.1	7342.8	8686.7	10863.7	11423.6
42.5°	5847.2	7025.4	8945.7	11141.3	11577.6
45°	5368.8	6754.8	9232.7	11178.7	11412.0
47.5°	4890.5	6526.1	9431.0	10882.3	10775.0
50°	4428.5	6323.1	9445.0	10170.7	9732.0
52.5°	3996.9	6136.5	9188.4	9036.7	8355.4
55°	3574.6	5917.1	8598.1	7538.8	6701.1
57.5°	3189.6	5613.8	7688.1	5928.8	5014.2
60°	2781.2	5203.2	6512.1	4337.5	3616.6
62.5°	2405.6	4692.2	5193.8	3019.2	2599.3
65°	2050.9	4099.5	3936.2	2188.6	1882.9
67.5°	1675.3	3485.9	2904.9	1596.0	1400.0
70°	1381.3	2916.6	2162.9	1241.3	1127.0
72.5°	1080.3	2375.3	1616.9	1008.0	945.0
75°	826.0	1917.9	1264.6	865.6	821.3
77.5°	609.0	1516.6	1017.3	765.3	723.3
80°	427.0	1194.6	851.6	683.6	667.3
82.5°	287.0	924.0	725.6	651.0	653.3
85°	175.0	683.6	644.0	630.0	637.0
87.5°	84.0	485.3	553.0	574.0	581.0
90°	2.3	247.3	424.7	485.3	497.0
92.5°	0.0	189.0	373.3	434.0	445.7
95°	4.7	144.7	338.3	396.7	408.3
97.5°	4.7	119.0	303.3	364.0	371.0
100°	7.0	102.7	270.7	329.0	336.0
102.5°	7.0	91.0	242.7	294.0	298.7
105°	9.3	81.7	219.3	263.7	268.3



TEST NUMBER: P830371

CATALOG NUMBER: OHBL-36HE-W-UNV-L830-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	14.0	56.0	154.0	186.7	191.3
115°	14.0	46.7	135.3	165.7	170.3
117.5°	16.3	42.0	119.0	147.0	149.3
120°	16.3	35.0	102.7	130.7	133.0
122.5°	16.3	28.0	91.0	116.7	119.0
125°	16.3	23.3	79.3	102.7	105.0
127.5°	14.0	16.3	67.7	91.0	93.3
130°	14.0	14.0	56.0	79.3	84.0
132.5°	14.0	14.0	46.7	70.0	74.7
135°	14.0	14.0	37.3	63.0	65.3
137.5°	14.0	14.0	30.3	53.7	58.3
140°	14.0	14.0	23.3	46.7	49.0
142.5°	16.3	14.0	21.0	39.7	42.0
145°	18.7	14.0	16.3	30.3	35.0
147.5°	18.7	16.3	16.3	25.7	28.0
150°	18.7	18.7	14.0	18.7	23.3
152.5°	18.7	18.7	14.0	14.0	18.7
155°	18.7	18.7	14.0	14.0	14.0
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°	11.7	72.3	196.0	235.7	240.3
110°	11.7	63.0	172.7	210.0	214.7



(END OF REPORT)