

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: P830228

Luminaire Tested: **OHBL-30HE-W-UNV-L835-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830228
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-30HE-W-UNV-L835-CD
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

Summary

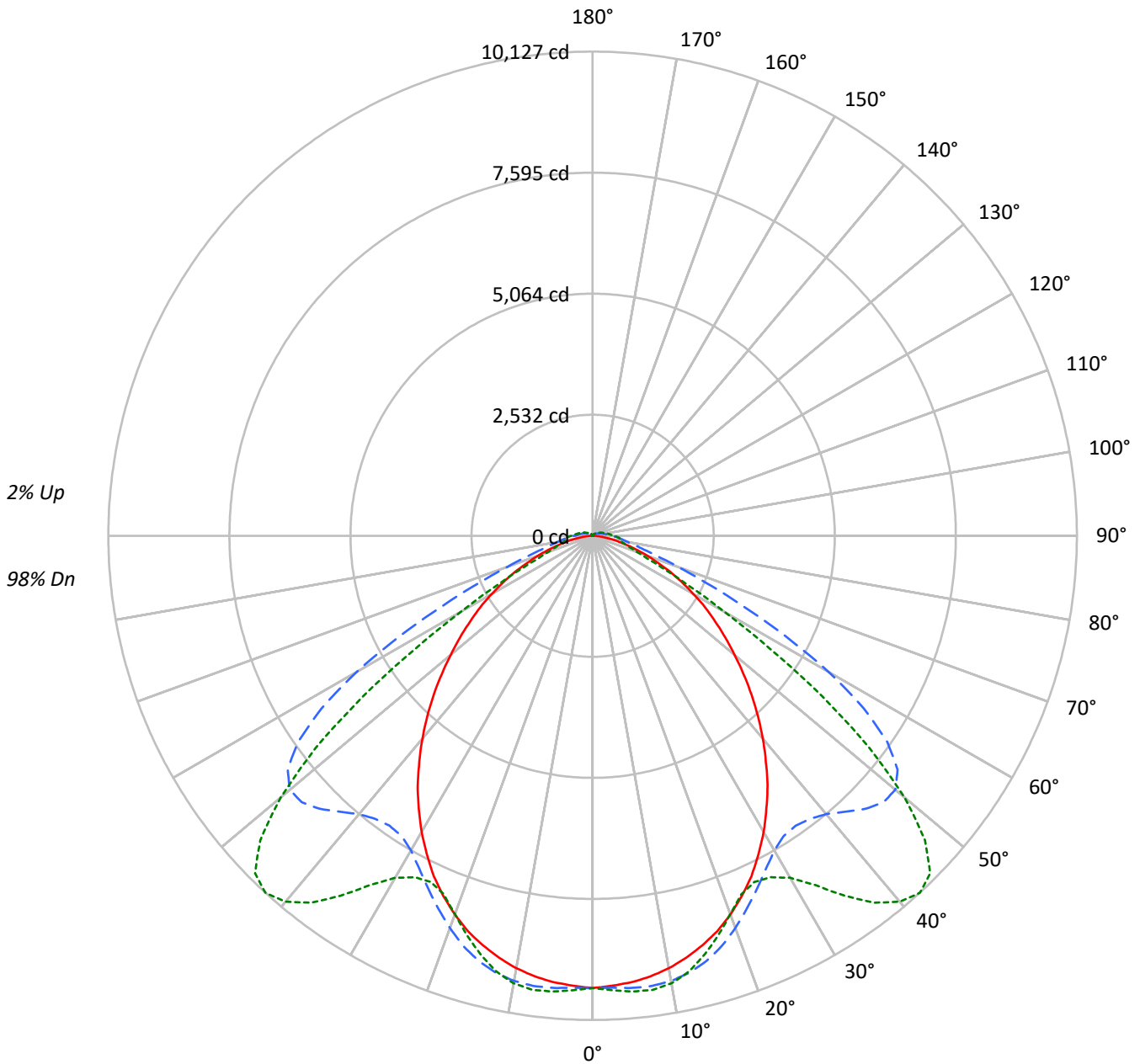
Lumens per Lamp: N/A
Luminaire Lumens: 28324.0 lumens
Efficiency: N/A
Efficacy: 172.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 163.8
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: P830228

CATALOG NUMBER: OHBL-30HE-W-UNV-L835-CD

Luminous Intensity Polar Plot





TEST NUMBER: P830228

CATALOG NUMBER: OHBL-30HE-W-UNV-L835-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	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°	14960	14960	14960
5°	14821	14946	15067
10°	14635	14930	15021
15°	14349	14690	14477
20°	13958	14191	13707
25°	13435	13587	13369
30°	12739	13139	14314
35°	11945	13389	16659
40°	11023	14510	19142
45°	10060	16470	20433
50°	9055	18227	18862
55°	8110	18221	14274
60°	7149	15433	8623
65°	6133	10672	5142
70°	4983	6912	3634
75°	3791	4967	3262
80°	2721	4382	3485
85°	1847	4856	4912



TEST NUMBER: P830228

CATALOG NUMBER: OHBL-30HE-W-UNV-L835-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	904.0	3.2
10°-20°	2559.8	9.0
20°-30°	3745.8	13.2
30°-40°	4864.7	17.2
40°-50°	5940.5	21.0
50°-60°	5231.5	18.5
60°-70°	2726.2	9.6
70°-80°	1169.1	4.1
80°-90°	561.4	2.0
90°-100°	263.8	0.9
100°-110°	163.9	0.6
110°-120°	96.9	0.3
120°-130°	52.7	0.2
130°-140°	26.4	0.1
140°-150°	12.7	0.0
150°-160°	4.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7209.6	25.5
0°-40°	12074.4	42.6
0°-60°	23246.4	82.1
0°-90°	27703.1	97.8
90°-120°	524.6	1.9
90°-150°	616.5	2.2
90°-180°	621.0	2.2
0°-180°	28324.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9460	9460	9460	9460	9460	
5°	9372	9443	9494	9578	9568	889
15°	8868	9117	9205	9135	9062	2497
25°	7858	8278	8137	7984	7992	3606
35°	6378	7051	7404	8635	9188	3975
45°	4696	5908	8076	9778	9982	3621
55°	3127	5176	7521	6594	5862	2806
65°	1794	3586	3443	1914	1647	1775
75°	722	1678	1106	757	718	788
85°	153	598	563	551	557	171
90°	2	216	371	424	435	11
95°	4	126	296	347	357	3
105°	8	71	192	231	235	9
115°	12	41	118	145	149	13
125°	14	20	69	90	92	12
135°	12	12	33	55	57	9
145°	16	12	14	26	31	10
155°	16	16	12	12	12	5
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P830228

CATALOG NUMBER: OHBL-30HE-W-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9459.7	9459.7	9459.7	9459.7	9459.7
2.5°	9418.9	9459.7	9461.7	9518.9	9512.8
5°	9371.9	9443.4	9494.4	9578.1	9567.9
7.5°	9294.4	9406.6	9496.4	9588.3	9580.1
10°	9184.2	9337.2	9455.6	9531.1	9506.6
12.5°	9041.3	9243.4	9359.7	9376.0	9329.1
15°	8867.8	9116.8	9204.6	9135.2	9061.7
17.5°	8671.9	8963.8	8994.4	8843.3	8751.5
20°	8427.0	8759.7	8729.0	8520.9	8418.8
22.5°	8155.5	8535.2	8437.2	8218.8	8120.9
25°	7857.6	8278.0	8137.2	7984.1	7992.3
27.5°	7508.6	7986.1	7849.4	7918.8	8049.4
30°	7153.5	7680.0	7596.3	8000.4	8257.6
32.5°	6763.6	7365.7	7441.2	8239.2	8659.7
35°	6377.9	7051.4	7404.5	8635.2	9188.3
37.5°	5951.3	6733.0	7463.7	9092.3	9672.0
40°	5537.0	6422.8	7598.4	9502.6	9992.4
42.5°	5114.6	6145.2	7824.9	9745.4	10127.1
45°	4696.2	5908.5	8076.0	9778.1	9982.2
47.5°	4277.8	5708.5	8249.4	9518.9	9425.0
50°	3873.7	5530.9	8261.7	8896.4	8512.7
52.5°	3496.1	5367.6	8037.2	7904.5	7308.6
55°	3126.7	5175.8	7520.8	6594.2	5861.5
57.5°	2789.9	4910.5	6724.9	5186.0	4386.0
60°	2432.8	4551.3	5696.2	3794.1	3163.4
62.5°	2104.2	4104.3	4543.1	2641.0	2273.6
65°	1794.0	3585.9	3443.0	1914.4	1647.0
67.5°	1465.4	3049.1	2541.0	1396.0	1224.6
70°	1208.2	2551.2	1891.9	1085.8	985.8
72.5°	944.9	2077.7	1414.4	881.7	826.6
75°	722.5	1677.6	1106.2	757.2	718.4
77.5°	532.7	1326.6	889.8	669.4	632.7
80°	373.5	1045.0	744.9	598.0	583.7
82.5°	251.0	808.2	634.7	569.4	571.5
85°	153.1	598.0	563.3	551.1	557.2
87.5°	73.5	424.5	483.7	502.1	508.2
90°	2.0	216.3	371.4	424.5	434.7
92.5°	0.0	165.3	326.5	379.6	389.8
95°	4.1	126.5	295.9	347.0	357.2
97.5°	4.1	104.1	265.3	318.4	324.5
100°	6.1	89.8	236.7	287.8	293.9
102.5°	6.1	79.6	212.3	257.2	261.2
105°	8.2	71.4	191.8	230.6	234.7



TEST NUMBER: P830228

CATALOG NUMBER: OHBL-30HE-W-UNV-L835-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	12.2	49.0	134.7	163.3	167.4
115°	12.2	40.8	118.4	144.9	149.0
117.5°	14.3	36.7	104.1	128.6	130.6
120°	14.3	30.6	89.8	114.3	116.3
122.5°	14.3	24.5	79.6	102.0	104.1
125°	14.3	20.4	69.4	89.8	91.8
127.5°	12.2	14.3	59.2	79.6	81.6
130°	12.2	12.2	49.0	69.4	73.5
132.5°	12.2	12.2	40.8	61.2	65.3
135°	12.2	12.2	32.7	55.1	57.1
137.5°	12.2	12.2	26.5	46.9	51.0
140°	12.2	12.2	20.4	40.8	42.9
142.5°	14.3	12.2	18.4	34.7	36.7
145°	16.3	12.2	14.3	26.5	30.6
147.5°	16.3	14.3	14.3	22.5	24.5
150°	16.3	16.3	12.2	16.3	20.4
152.5°	16.3	16.3	12.2	12.2	16.3
155°	16.3	16.3	12.2	12.2	12.2
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°	10.2	63.3	171.4	206.1	210.2
110°	10.2	55.1	151.0	183.7	187.8



(END OF REPORT)