

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: P830216

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830216
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-30HE-NL-UNV-L835-CD
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

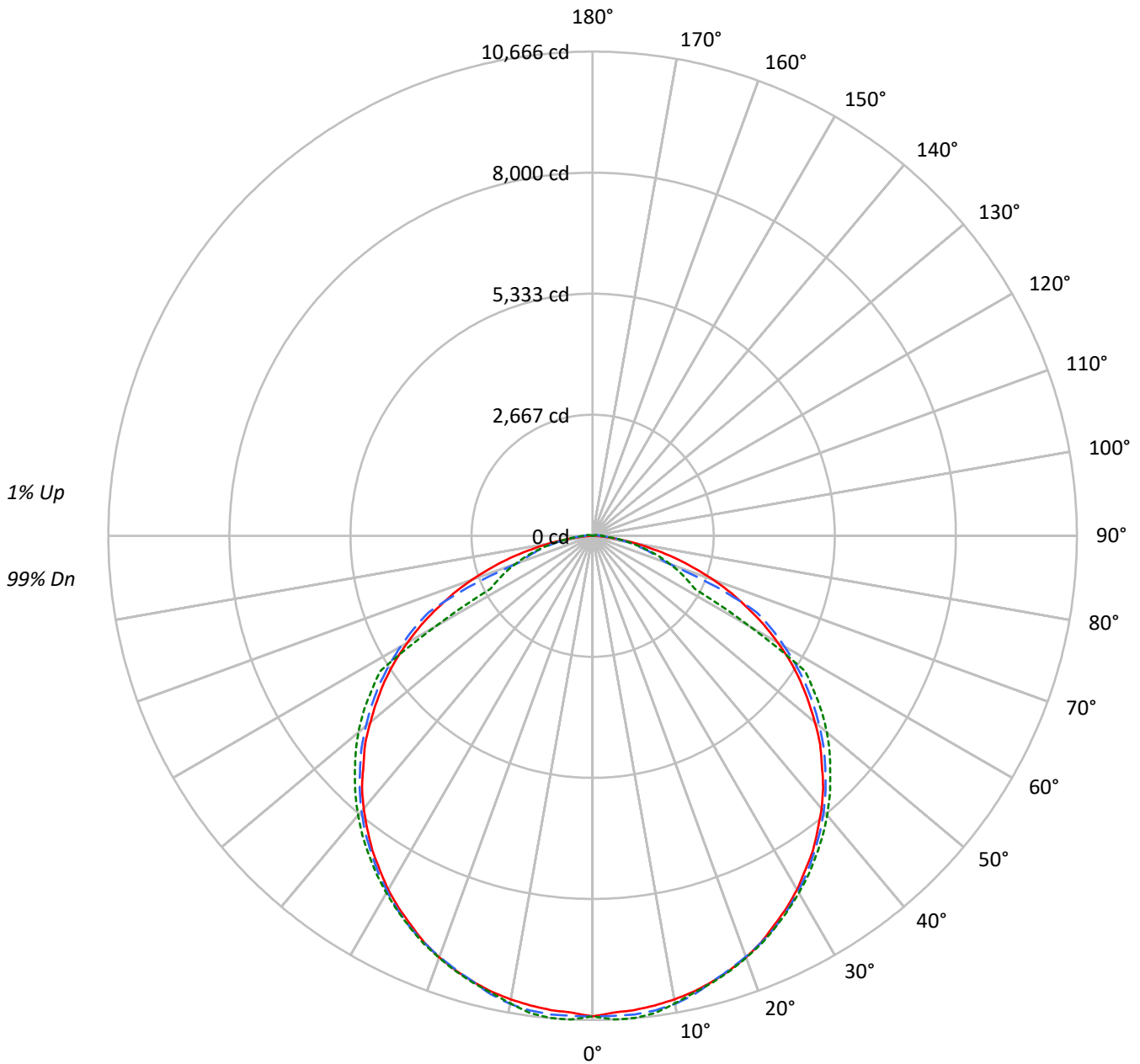
Lumens per Lamp: N/A
Luminaire Lumens: 29726.0 lumens
Efficiency: N/A
Efficacy: 181.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.8' x L: 3.78' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P830216

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

Luminous Intensity Polar Plot





TEST NUMBER: P830216

CATALOG NUMBER: OHBL-30HE-NL-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	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°	16744	16744	16744
5°	16652	16802	16929
10°	16656	16814	16794
15°	16653	16650	16687
20°	16631	16606	16646
25°	16517	16601	16614
30°	16440	16525	16590
35°	16334	16424	16578
40°	16193	16346	16588
45°	15959	16200	16554
50°	15719	16039	16569
55°	15418	15818	16387
60°	14902	15430	12757
65°	14099	14919	8586
70°	13040	7920	8333
75°	11374	7526	7958
80°	8747	6903	7292
85°	4415	6977	7146



TEST NUMBER: P830216

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1005.9	3.4
10°-20°	2880.1	9.7
20°-30°	4382.3	14.7
30°-40°	5328.2	17.9
40°-50°	5602.4	18.8
50°-60°	5115.6	17.2
60°-70°	3279.4	11.0
70°-80°	1549.1	5.2
80°-90°	429.6	1.4
90°-100°	113.7	0.4
100°-110°	31.1	0.1
110°-120°	8.6	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°	8268.2	27.8
0°-40°	13596.4	45.7
0°-60°	24314.4	81.8
0°-90°	29572.5	99.5
90°-120°	153.5	0.5
90°-150°	153.5	0.5
90°-180°	154.0	0.5
0°-180°	29726.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10588	10588	10588	10588	10588	
5°	10489	10530	10584	10642	10664	998
15°	10171	10248	10170	10184	10192	2872
25°	9466	9480	9514	9529	9521	4368
35°	8460	8410	8507	8611	8587	5287
45°	7136	7123	7244	7414	7402	5515
55°	5592	5549	5737	5928	5943	4987
65°	3768	3768	3987	2287	2294	3735
75°	1862	1897	1232	1297	1302	1962
85°	243	308	384	416	394	360
90°	0	104	171	202	199	11
95°	6	54	123	165	165	3
105°	9	20	30	30	28	9
115°	9	13	18	13	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: P830216

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10587.6	10587.6	10587.6	10587.6	10587.6
2.5°	10513.3	10548.7	10587.6	10637.8	10665.5
5°	10489.1	10530.0	10583.9	10641.5	10663.8
7.5°	10437.2	10494.6	10546.7	10587.6	10600.6
10°	10372.1	10440.9	10470.6	10466.9	10457.6
12.5°	10284.7	10357.3	10348.1	10305.2	10312.7
15°	10171.4	10247.6	10169.7	10184.4	10191.9
17.5°	10037.7	10112.0	10021.0	10050.7	10052.6
20°	9881.7	9937.4	9866.8	9891.0	9891.0
22.5°	9694.1	9733.0	9703.3	9720.0	9723.8
25°	9465.5	9480.3	9513.7	9528.7	9521.2
27.5°	9246.4	9227.7	9292.8	9328.0	9309.3
30°	9002.9	8973.2	9049.3	9107.0	9084.7
32.5°	8724.2	8705.7	8793.0	8861.7	8848.7
35°	8460.4	8410.3	8506.9	8610.9	8586.7
37.5°	8148.3	8118.6	8228.1	8337.9	8324.9
40°	7843.6	7793.5	7918.0	8048.0	8035.0
42.5°	7516.7	7457.1	7592.8	7749.0	7734.1
45°	7135.7	7122.7	7243.5	7414.4	7401.5
47.5°	6797.8	6732.7	6901.7	7067.1	7082.0
50°	6388.9	6364.9	6519.1	6719.7	6734.5
52.5°	5989.6	5972.9	6134.4	6337.0	6362.9
55°	5591.9	5549.2	5736.9	5928.2	5943.2
57.5°	5166.7	5122.0	5313.4	5521.5	5553.0
60°	4711.3	4668.6	4878.5	5071.9	4033.3
62.5°	4256.2	4226.5	4445.8	3149.0	2537.9
65°	3767.6	3767.6	3986.7	2286.9	2294.4
67.5°	3310.7	3281.0	2972.6	2054.6	2054.6
70°	2820.1	2831.4	1712.8	1800.3	1802.1
72.5°	2327.8	2368.7	1478.9	1549.3	1553.1
75°	1861.5	1896.9	1231.7	1296.8	1302.3
77.5°	1367.4	1051.5	990.1	1040.5	1042.3
80°	960.4	663.2	758.0	806.2	800.7
82.5°	561.0	464.4	555.5	590.9	588.9
85°	243.3	308.4	384.5	416.2	393.8
87.5°	77.9	191.4	239.6	258.3	256.3
90°	0.0	104.0	170.9	202.4	198.9
92.5°	0.0	81.6	148.7	185.9	187.6
95°	5.5	53.9	122.7	165.4	165.4
97.5°	3.7	38.9	87.3	130.0	133.7
100°	3.7	31.5	57.6	92.8	94.8
102.5°	9.2	26.0	35.2	59.4	61.4
105°	9.2	20.5	29.7	29.7	27.9



TEST NUMBER: P830216

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	11.2	14.9	20.5	14.9	1.8
115°	9.2	13.0	18.5	13.0	1.8
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°	9.2	18.5	26.0	16.7	5.5
110°	11.2	16.7	22.2	14.9	1.8



(END OF REPORT)