

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: P830212

Luminaire Tested: **OHBL-30HE-NL-UNV-L735-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830212
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-L735-CD
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

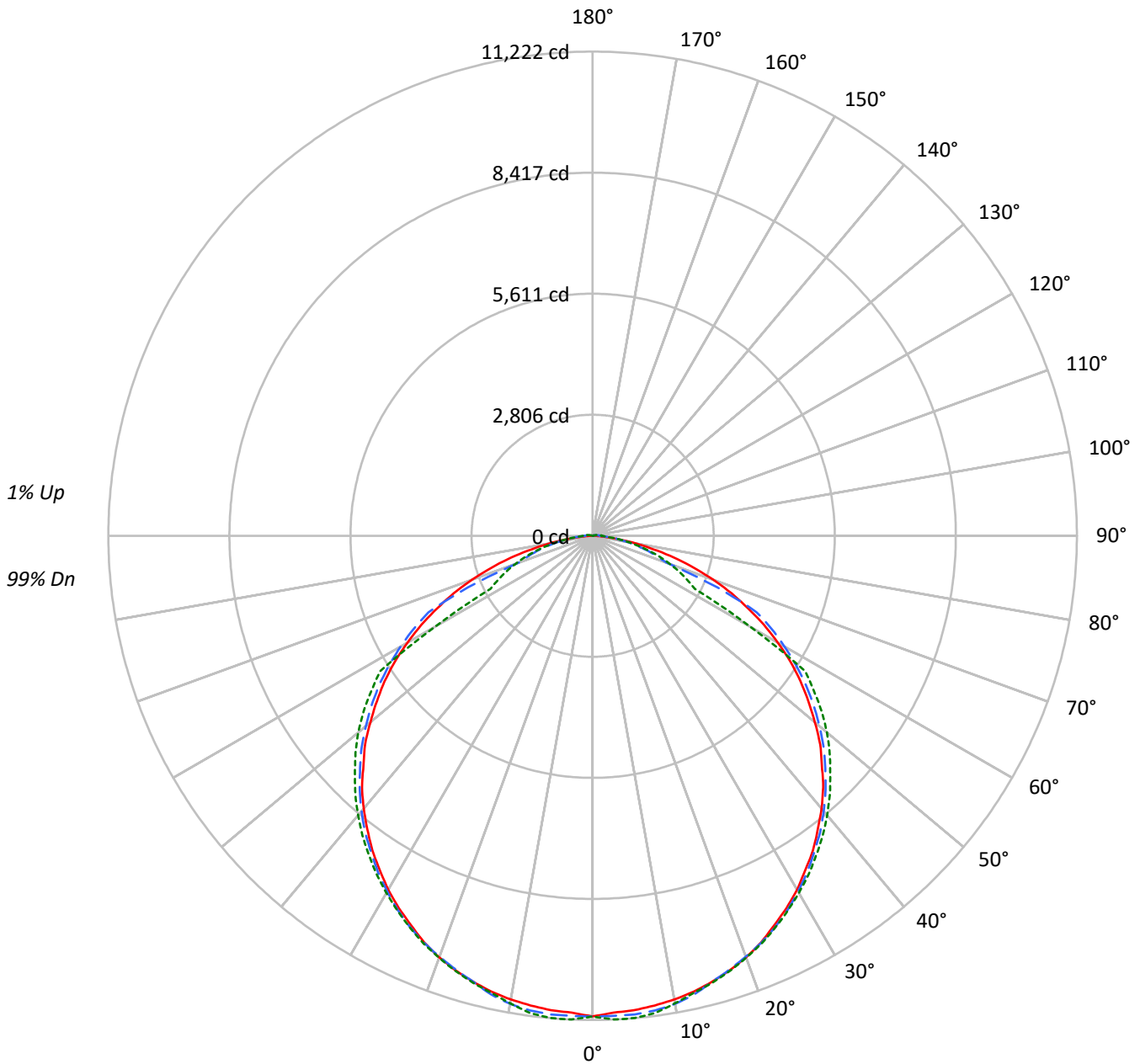
Lumens per Lamp: N/A
Luminaire Lumens: 31277.0 lumens
Efficiency: N/A
Efficacy: 190.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.8' x L: 3.78' x H: 0')
CIE Type: Direct

Input Watts (W): 163.8
Input Voltage (V): NR
Input Current (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: P830212

CATALOG NUMBER: OHBL-30HE-NL-UNV-L735-CD

Luminous Intensity Polar Plot





TEST NUMBER: P830212

CATALOG NUMBER: OHBL-30HE-NL-UNV-L735-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°	17618	17618	17618
5°	17520	17679	17812
10°	17525	17692	17670
15°	17522	17519	17558
20°	17498	17472	17515
25°	17379	17467	17481
30°	17298	17387	17455
35°	17186	17280	17443
40°	17038	17199	17453
45°	16792	17046	17417
50°	16539	16876	17434
55°	16223	16643	17242
60°	15679	16236	13423
65°	14834	15697	9034
70°	13721	8333	8767
75°	11968	7918	8372
80°	9204	7264	7673
85°	4645	7342	7518



TEST NUMBER: P830212

CATALOG NUMBER: OHBL-30HE-NL-UNV-L735-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1058.3	3.4
10°-20°	3030.3	9.7
20°-30°	4610.9	14.7
30°-40°	5606.2	17.9
40°-50°	5894.7	18.8
50°-60°	5382.5	17.2
60°-70°	3450.5	11.0
70°-80°	1630.0	5.2
80°-90°	452.0	1.4
90°-100°	119.7	0.4
100°-110°	32.8	0.1
110°-120°	9.1	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°	8699.6	27.8
0°-40°	14305.8	45.7
0°-60°	25583.0	81.8
0°-90°	31115.4	99.5
90°-120°	161.5	0.5
90°-150°	161.5	0.5
90°-180°	162.0	0.5
0°-180°	31277.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11140	11140	11140	11140	11140	
5°	11036	11079	11136	11197	11220	###
15°	10702	10782	10700	10716	10724	3021
25°	9959	9975	10010	10026	10018	4596
35°	8902	8849	8951	9060	9035	5563
45°	7508	7494	7622	7801	7788	5803
55°	5884	5839	6036	6238	6253	5247
65°	3964	3964	4195	2406	2414	3930
75°	1959	1996	1296	1364	1370	2065
85°	256	324	405	438	414	378
90°	0	110	180	213	209	11
95°	6	57	129	174	174	3
105°	10	22	31	31	29	10
115°	10	14	20	14	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: P830212

CATALOG NUMBER: OHBL-30HE-NL-UNV-L735-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11140.1	11140.1	11140.1	11140.1	<i>11140.1</i>
2.5°	<i>11061.8</i>	<i>11099.1</i>	<i>11140.1</i>	<i>11192.8</i>	<i>11222.0</i>
5°	11036.4	11079.4	11136.1	11196.8	<i>11220.2</i>
7.5°	10981.7	11042.2	11097.0	11140.1	<i>11153.7</i>
10°	10913.2	10985.7	11016.9	11013.0	<i>11003.3</i>
12.5°	10821.4	10897.7	10888.0	10842.9	<i>10850.7</i>
15°	10702.2	10782.2	10700.3	10715.8	<i>10723.7</i>
17.5°	10561.4	10639.7	10543.8	10575.1	<i>10577.2</i>
20°	10397.3	10455.9	10381.6	10407.0	<i>10407.0</i>
22.5°	10199.9	10240.9	10209.6	10227.2	<i>10231.1</i>
25°	9959.4	9974.9	10010.1	10025.8	<i>10018.0</i>
27.5°	9728.9	9709.2	9777.7	9814.7	<i>9795.1</i>
30°	9472.6	9441.4	9521.5	9582.1	<i>9558.7</i>
32.5°	9179.4	9159.9	9251.8	9324.1	<i>9310.4</i>
35°	8901.9	8849.1	8950.7	9060.2	<i>9034.7</i>
37.5°	8573.4	8542.2	8657.5	8772.9	<i>8759.3</i>
40°	8252.9	8200.1	8331.1	8467.9	<i>8454.2</i>
42.5°	7908.9	7846.2	7989.0	8153.3	<i>8137.6</i>
45°	7508.0	7494.4	7621.5	7801.3	<i>7787.6</i>
47.5°	7152.5	7084.0	7261.8	7435.8	<i>7451.5</i>
50°	6722.2	6697.0	6859.2	7070.3	<i>7085.9</i>
52.5°	6302.1	6284.5	6454.4	6667.6	<i>6694.9</i>
55°	5883.7	5838.8	6036.2	6237.6	<i>6253.3</i>
57.5°	5436.2	5389.3	5590.6	5809.6	<i>5842.7</i>
60°	4957.1	4912.2	5133.1	5336.5	<i>4243.8</i>
62.5°	4478.3	4447.0	4677.8	3313.3	<i>2670.3</i>
65°	3964.2	3964.2	4194.7	2406.2	<i>2414.1</i>
67.5°	3483.4	3452.2	3127.7	2161.8	<i>2161.8</i>
70°	2967.3	2979.1	1802.1	1894.2	<i>1896.1</i>
72.5°	2449.3	2492.3	1556.1	1630.2	<i>1634.1</i>
75°	1958.6	1995.9	1295.9	1364.4	<i>1370.2</i>
77.5°	1438.7	1106.4	1041.8	1094.8	<i>1096.6</i>
80°	1010.6	697.8	797.6	848.3	<i>842.5</i>
82.5°	590.2	488.6	584.4	621.7	<i>619.6</i>
85°	256.0	324.5	404.6	437.9	<i>414.3</i>
87.5°	82.0	201.4	252.1	271.7	<i>269.7</i>
90°	0.0	109.5	179.8	213.0	<i>209.2</i>
92.5°	0.0	85.9	156.5	195.6	<i>197.4</i>
95°	5.8	56.7	129.1	174.0	<i>174.0</i>
97.5°	3.9	41.0	91.9	136.8	<i>140.7</i>
100°	3.9	33.1	60.6	97.7	<i>99.8</i>
102.5°	9.7	27.3	37.0	62.5	<i>64.6</i>
105°	9.7	21.5	31.2	31.2	<i>29.4</i>



TEST NUMBER: P830212

CATALOG NUMBER: OHBL-30HE-NL-UNV-L735-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	11.8	15.7	21.5	15.7	1.9
115°	9.7	13.7	19.5	13.7	1.9
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°	9.7	19.5	27.3	17.6	5.8
110°	11.8	17.6	23.4	15.7	1.9



(END OF REPORT)