

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: P830224

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830224
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-L735-CD
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

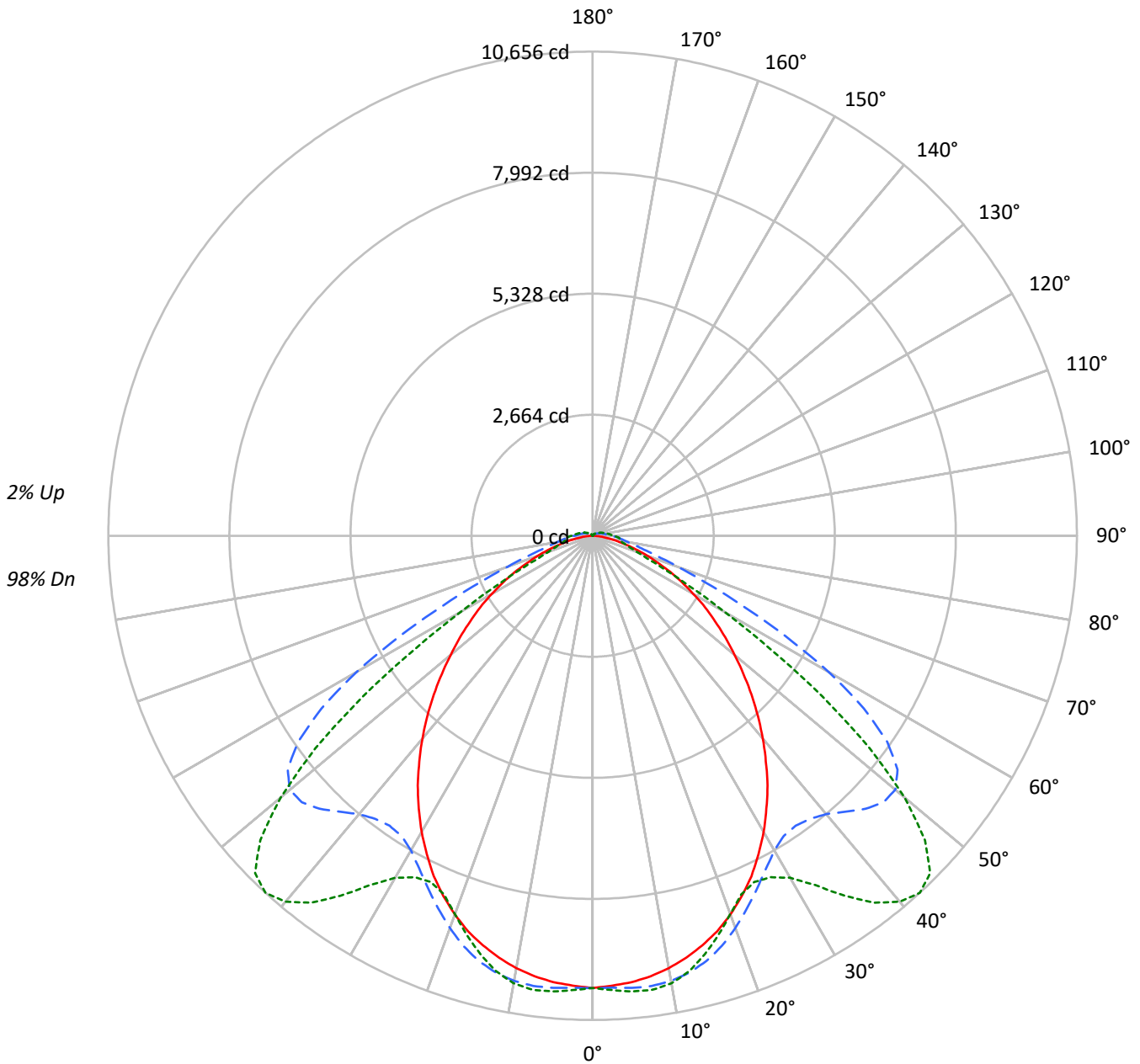
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29802.0 lumens
Efficiency: N/A
Efficacy: 181.9 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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					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°	15741	15741	15741
5°	15594	15726	15853
10°	15398	15709	15805
15°	15098	15456	15233
20°	14687	14932	14422
25°	14136	14296	14066
30°	13404	13824	15061
35°	12568	14088	17528
40°	11599	15267	20140
45°	10585	17330	21500
50°	9527	19178	19847
55°	8534	19172	15018
60°	7522	16239	9073
65°	6453	11229	5410
70°	5243	7273	3823
75°	3989	5226	3432
80°	2863	4611	3667
85°	1944	5110	5167



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	951.2	3.2
10°-20°	2693.4	9.0
20°-30°	3941.3	13.2
30°-40°	5118.6	17.2
40°-50°	6250.5	21.0
50°-60°	5504.5	18.5
60°-70°	2868.4	9.6
70°-80°	1230.1	4.1
80°-90°	590.7	2.0
90°-100°	277.5	0.9
100°-110°	172.5	0.6
110°-120°	102.0	0.3
120°-130°	55.4	0.2
130°-140°	27.8	0.1
140°-150°	13.4	0.0
150°-160°	4.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
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0°-30°	7585.8	25.5
0°-40°	12704.4	42.6
0°-60°	24459.4	82.1
0°-90°	29148.7	97.8
90°-120°	552.0	1.9
90°-150°	648.7	2.2
90°-180°	653.0	2.2
0°-180°	29802.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9953	9953	9953	9953	9953	
5°	9861	9936	9990	10078	10067	935
15°	9331	9593	9685	9612	9535	2627
25°	8268	8710	8562	8401	8409	3794
35°	6711	7419	7791	9086	9668	4183
45°	4941	6217	8497	10288	10503	3810
55°	3290	5446	7913	6938	6167	2953
65°	1888	3773	3623	2014	1733	1868
75°	760	1765	1164	797	756	829
85°	161	629	593	580	586	180
90°	2	228	391	447	457	11
95°	4	133	311	365	376	3
105°	9	75	202	243	247	9
115°	13	43	125	152	157	13
125°	15	22	73	94	97	13
135°	13	13	34	58	60	10
145°	17	13	15	28	32	10
155°	17	17	13	13	13	5
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9953.3	9953.3	9953.3	9953.3	9953.3
2.5°	9910.4	9953.3	9955.5	10015.6	10009.2
5°	9861.0	9936.1	9989.8	10077.9	10067.1
7.5°	9779.4	9897.5	9992.0	10088.6	10080.0
10°	9663.4	9824.5	9949.0	10028.5	10002.7
12.5°	9513.1	9725.7	9848.1	9865.3	9815.9
15°	9330.6	9592.6	9684.9	9611.9	9534.6
17.5°	9124.4	9431.5	9463.7	9304.8	9208.2
20°	8866.7	9216.8	9184.5	8965.5	8858.1
22.5°	8581.1	8980.5	8877.5	8647.7	8544.6
25°	8267.6	8710.0	8561.8	8400.7	8409.3
27.5°	7900.4	8402.9	8259.0	8332.0	8469.5
30°	7526.7	8080.8	7992.7	8417.9	8688.5
32.5°	7116.6	7750.1	7829.5	8669.2	9111.5
35°	6710.7	7419.4	7790.9	9085.8	9667.7
37.5°	6261.9	7084.4	7853.1	9566.8	10176.7
40°	5826.0	6758.0	7994.9	9998.4	10513.8
42.5°	5381.5	6465.9	8233.2	10254.0	10655.5
45°	4941.2	6216.8	8497.4	10288.3	10503.1
47.5°	4501.0	6006.4	8679.9	10015.6	9916.8
50°	4075.8	5819.5	8692.8	9360.6	8956.9
52.5°	3678.5	5647.7	8456.6	8317.0	7689.9
55°	3289.9	5445.9	7913.3	6938.3	6167.4
57.5°	2935.5	5166.7	7075.8	5456.6	4614.8
60°	2559.7	4788.8	5993.5	3992.1	3328.5
62.5°	2214.0	4318.5	4780.2	2778.8	2392.2
65°	1887.6	3773.0	3622.7	2014.3	1733.0
67.5°	1541.9	3208.3	2673.5	1468.8	1288.5
70°	1271.3	2684.3	1990.7	1142.4	1037.2
72.5°	994.3	2186.1	1488.2	927.7	869.7
75°	760.2	1765.2	1163.9	796.7	755.9
77.5°	560.5	1395.8	936.3	704.4	665.7
80°	393.0	1099.5	783.8	629.2	614.2
82.5°	264.1	850.4	667.8	599.1	601.3
85°	161.1	629.2	592.7	579.8	586.2
87.5°	77.3	446.7	508.9	528.3	534.7
90°	2.1	227.6	390.8	446.7	457.4
92.5°	0.0	173.9	343.6	399.4	410.2
95°	4.3	133.1	311.4	365.1	375.8
97.5°	4.3	109.5	279.2	335.0	341.4
100°	6.4	94.5	249.1	302.8	309.2
102.5°	6.4	83.7	223.3	270.6	274.9
105°	8.6	75.2	201.9	242.7	247.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	12.9	51.5	141.7	171.8	176.1
115°	12.9	42.9	124.6	152.5	156.8
117.5°	15.0	38.7	109.5	135.3	137.4
120°	15.0	32.2	94.5	120.3	122.4
122.5°	15.0	25.8	83.7	107.4	109.5
125°	15.0	21.5	73.0	94.5	96.6
127.5°	12.9	15.0	62.3	83.7	85.9
130°	12.9	12.9	51.5	73.0	77.3
132.5°	12.9	12.9	42.9	64.4	68.7
135°	12.9	12.9	34.4	58.0	60.1
137.5°	12.9	12.9	27.9	49.4	53.7
140°	12.9	12.9	21.5	42.9	45.1
142.5°	15.0	12.9	19.3	36.5	38.7
145°	17.2	12.9	15.0	27.9	32.2
147.5°	17.2	15.0	15.0	23.6	25.8
150°	17.2	17.2	12.9	17.2	21.5
152.5°	17.2	17.2	12.9	12.9	17.2
155°	17.2	17.2	12.9	12.9	12.9
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°	10.7	66.6	180.4	216.9	221.2
110°	10.7	58.0	158.9	193.3	197.6



(END OF REPORT)