

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: P830226

Luminaire Tested: **OHBL-30HE-W-UNV-L750-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830226
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-L750-CD
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 5000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

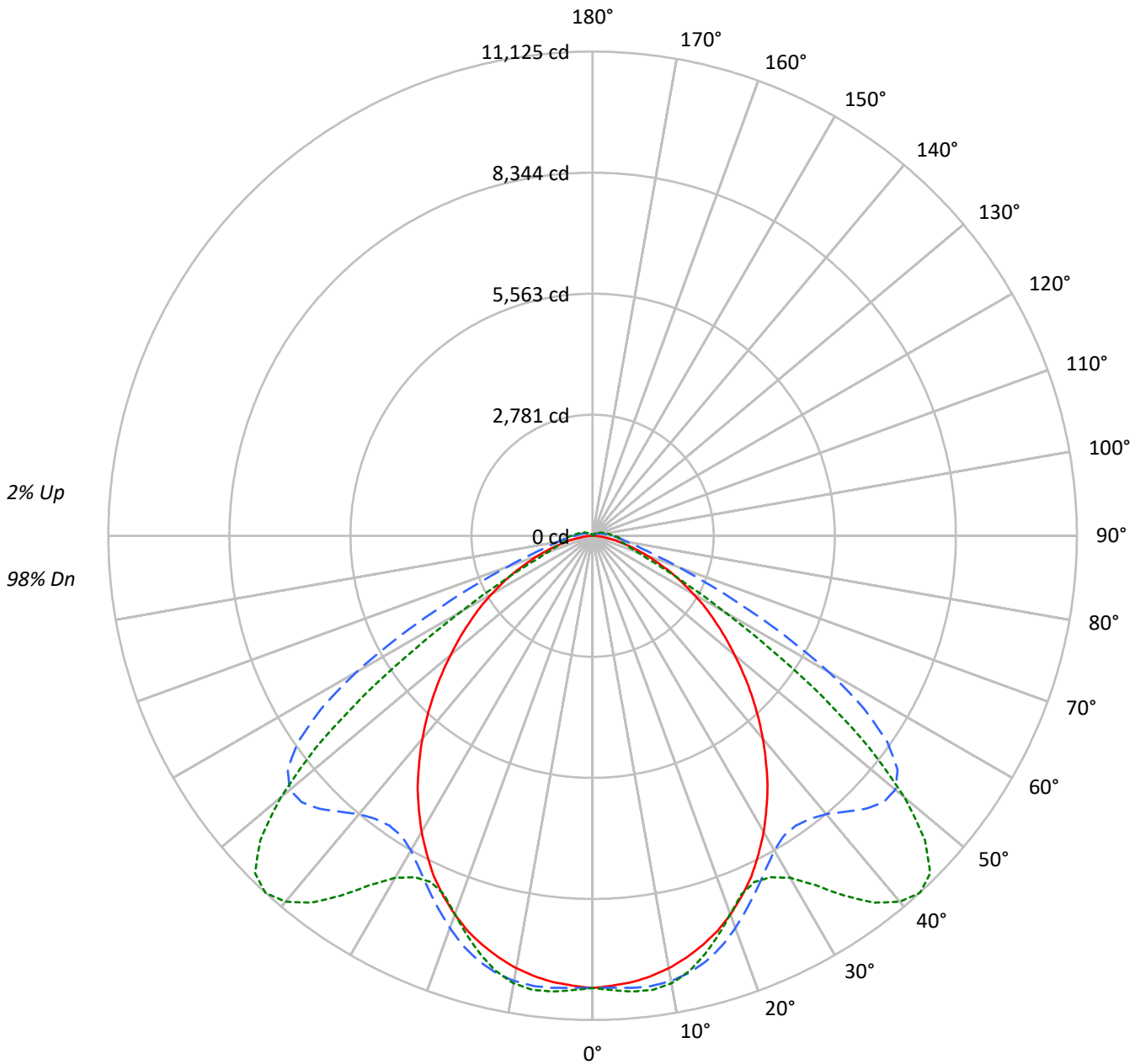
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31115.0 lumens
Efficiency: N/A
Efficacy: 190.0 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									
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°	16434	16434	16434
5°	16281	16419	16552
10°	16077	16401	16501
15°	15764	16137	15904
20°	15334	15590	15057
25°	14759	14926	14686
30°	13994	14433	15725
35°	13122	14708	18300
40°	12109	15940	21028
45°	11051	18093	22447
50°	9947	20023	20721
55°	8910	20017	15680
60°	7853	16954	9472
65°	6738	11724	5649
70°	5474	7594	3992
75°	4165	5457	3584
80°	2989	4814	3829
85°	2029	5335	5395



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	993.1	3.2
10°-20°	2812.0	9.0
20°-30°	4114.9	13.2
30°-40°	5344.1	17.2
40°-50°	6525.8	21.0
50°-60°	5747.0	18.5
60°-70°	2994.8	9.6
70°-80°	1284.3	4.1
80°-90°	616.8	2.0
90°-100°	289.8	0.9
100°-110°	180.1	0.6
110°-120°	106.5	0.3
120°-130°	57.9	0.2
130°-140°	29.1	0.1
140°-150°	14.0	0.0
150°-160°	4.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7920.0	25.5
0°-40°	13264.2	42.6
0°-60°	25537.0	82.1
0°-90°	30432.8	97.8
90°-120°	576.4	1.9
90°-150°	677.3	2.2
90°-180°	682.0	2.2
0°-180°	31115.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10392	10392	10392	10392	10392	
5°	10295	10374	10430	10522	10511	976
15°	9742	10015	10112	10035	9955	2743
25°	8632	9094	8939	8771	8780	3961
35°	7006	7746	8134	9486	10094	4367
45°	5159	6491	8872	10742	10966	3978
55°	3435	5686	8262	7244	6439	3083
65°	1971	3939	3782	2103	1809	1950
75°	794	1843	1215	832	789	865
85°	168	657	619	605	612	187
90°	2	238	408	466	478	12
95°	4	139	325	381	392	3
105°	9	78	211	253	258	9
115°	14	45	130	159	164	14
125°	16	22	76	99	101	13
135°	14	14	36	60	63	10
145°	18	14	16	29	34	11
155°	18	18	14	14	14	6
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°	10391.8	10391.8	10391.8	10391.8	10391.8
2.5°	10347.0	10391.8	10394.1	10456.9	10450.1
5°	10295.4	10373.9	10430.0	10521.9	10510.7
7.5°	10210.2	10333.5	10432.2	10533.1	10524.1
10°	10089.2	10257.3	10387.4	10470.3	10443.4
12.5°	9932.2	10154.2	10282.0	10299.9	10248.4
15°	9741.7	10015.2	10111.6	10035.4	9954.6
17.5°	9526.4	9847.0	9880.7	9714.7	9613.9
20°	9257.4	9622.8	9589.2	9360.5	9248.4
22.5°	8959.2	9376.2	9268.6	9028.7	8921.1
25°	8631.8	9093.7	8939.0	8770.8	8779.8
27.5°	8248.5	8773.1	8622.9	8699.1	8842.6
30°	7858.3	8436.8	8344.9	8788.8	9071.3
32.5°	7430.1	8091.5	8174.5	9051.1	9513.0
35°	7006.4	7746.2	8134.1	9486.1	10093.7
37.5°	6537.8	7396.5	8199.1	9988.3	10625.0
40°	6082.6	7055.7	8347.1	10438.9	10977.0
42.5°	5618.5	6750.8	8596.0	10705.7	11125.0
45°	5158.9	6490.7	8871.7	10741.6	10965.8
47.5°	4699.3	6271.0	9062.3	10456.9	10353.7
50°	4255.4	6075.9	9075.8	9773.0	9351.5
52.5°	3840.6	5896.6	8829.1	8683.4	8028.7
55°	3434.8	5685.8	8261.9	7244.0	6439.1
57.5°	3064.9	5394.3	7387.5	5697.0	4818.1
60°	2672.5	4999.7	6257.5	4167.9	3475.2
62.5°	2311.5	4508.7	4990.8	2901.2	2497.6
65°	1970.8	3939.3	3782.3	2103.0	1809.3
67.5°	1609.8	3349.6	2791.3	1533.6	1345.2
70°	1327.3	2802.5	2078.4	1192.8	1082.9
72.5°	1038.1	2282.4	1553.7	968.6	908.0
75°	793.7	1843.0	1215.2	831.8	789.2
77.5°	585.2	1457.3	977.5	735.4	695.0
80°	410.3	1147.9	818.3	656.9	641.2
82.5°	275.8	887.8	697.3	625.5	627.8
85°	168.2	656.9	618.8	605.4	612.1
87.5°	80.7	466.3	531.4	551.5	558.3
90°	2.2	237.7	408.1	466.3	477.6
92.5°	0.0	181.6	358.7	417.0	428.2
95°	4.5	139.0	325.1	381.1	392.4
97.5°	4.5	114.3	291.5	349.8	356.5
100°	6.7	98.6	260.1	316.1	322.9
102.5°	6.7	87.4	233.2	282.5	287.0
105°	9.0	78.5	210.8	253.4	257.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	13.5	53.8	148.0	179.4	183.8
115°	13.5	44.8	130.0	159.2	163.7
117.5°	15.7	40.4	114.3	141.2	143.5
120°	15.7	33.6	98.6	125.6	127.8
122.5°	15.7	26.9	87.4	112.1	114.3
125°	15.7	22.4	76.2	98.6	100.9
127.5°	13.5	15.7	65.0	87.4	89.7
130°	13.5	13.5	53.8	76.2	80.7
132.5°	13.5	13.5	44.8	67.3	71.7
135°	13.5	13.5	35.9	60.5	62.8
137.5°	13.5	13.5	29.1	51.6	56.1
140°	13.5	13.5	22.4	44.8	47.1
142.5°	15.7	13.5	20.2	38.1	40.4
145°	17.9	13.5	15.7	29.1	33.6
147.5°	17.9	15.7	15.7	24.7	26.9
150°	17.9	17.9	13.5	17.9	22.4
152.5°	17.9	17.9	13.5	13.5	17.9
155°	17.9	17.9	13.5	13.5	13.5
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°	11.2	69.5	188.3	226.4	230.9
110°	11.2	60.5	165.9	201.8	206.3



(END OF REPORT)