

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: P830079

Luminaire Tested: **OHBL-24HE-W-UNV-L730-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830079
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-24HE-W-UNV-L730-CD
Description: 24000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

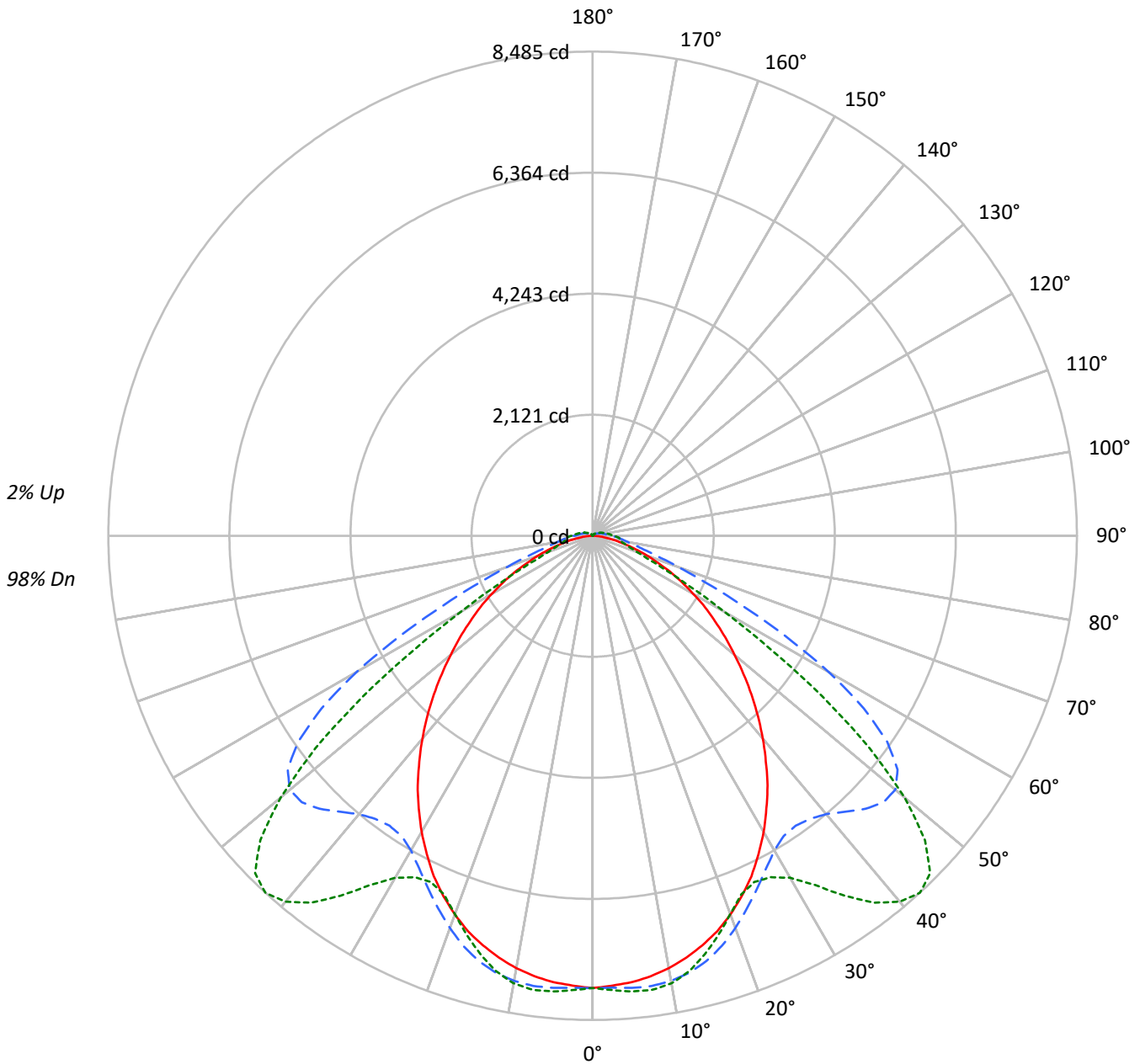
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23731.0 lumens
Efficiency: N/A
Efficacy: 178.4 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): 133
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: P830079
CATALOG NUMBER: OHBL-24HE-W-UNV-L730-CD

Luminous Intensity Polar Plot





TEST NUMBER: P830079

CATALOG NUMBER: OHBL-24HE-W-UNV-L730-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°	12534	12534	12534
5°	12418	12522	12624
10°	12262	12509	12585
15°	12023	12308	12130
20°	11695	11890	11484
25°	11256	11384	11201
30°	10673	11008	11993
35°	10008	11218	13957
40°	9236	12157	16037
45°	8428	13799	17120
50°	7586	15271	15804
55°	6795	15266	11959
60°	5990	12930	7225
65°	5139	8941	4308
70°	4175	5791	3044
75°	3176	4162	2733
80°	2280	3671	2920
85°	1547	4069	4115



TEST NUMBER: P830079

CATALOG NUMBER: OHBL-24HE-W-UNV-L730-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	757.4	3.2
10°-20°	2144.7	9.0
20°-30°	3138.4	13.2
30°-40°	4075.9	17.2
40°-50°	4977.2	21.0
50°-60°	4383.2	18.5
60°-70°	2284.1	9.6
70°-80°	979.5	4.1
80°-90°	470.4	2.0
90°-100°	221.0	0.9
100°-110°	137.3	0.6
110°-120°	81.2	0.3
120°-130°	44.1	0.2
130°-140°	22.2	0.1
140°-150°	10.7	0.0
150°-160°	3.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	6040.5	25.5
0°-40°	10116.4	42.6
0°-60°	19476.7	82.1
0°-90°	23210.7	97.8
90°-120°	439.6	1.9
90°-150°	516.5	2.2
90°-180°	520.0	2.2
0°-180°	23731.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7926	7926	7926	7926	7926	
5°	7852	7912	7955	8025	8016	745
15°	7430	7638	7712	7654	7592	2092
25°	6583	6936	6818	6689	6696	3021
35°	5344	5908	6204	7235	7698	3331
45°	3935	4950	6766	8192	8364	3034
55°	2620	4336	6301	5525	4911	2351
65°	1503	3004	2885	1604	1380	1487
75°	605	1406	927	634	602	660
85°	128	501	472	462	467	143
90°	2	181	311	356	364	9
95°	3	106	248	291	299	3
105°	7	60	161	193	197	7
115°	10	34	99	121	125	11
125°	12	17	58	75	77	10
135°	10	10	27	46	48	8
145°	14	10	12	22	26	8
155°	14	14	10	10	10	4
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P830079

CATALOG NUMBER: OHBL-24HE-W-UNV-L730-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7925.7	7925.7	7925.7	7925.7	7925.7
2.5°	7891.5	7925.7	7927.4	7975.3	7970.2
5°	7852.2	7912.0	7954.8	8024.9	8016.3
7.5°	7787.2	7881.3	7956.5	8033.4	8026.6
10°	7694.9	7823.1	7922.3	7985.6	7965.1
12.5°	7575.2	7744.5	7841.9	7855.6	7816.3
15°	7429.8	7638.4	7712.0	7653.8	7592.3
17.5°	7265.7	7510.2	7535.8	7409.3	7332.4
20°	7060.5	7339.2	7313.6	7139.1	7053.6
22.5°	6833.0	7151.1	7069.0	6886.1	6804.0
25°	6583.4	6935.6	6817.7	6689.4	6696.3
27.5°	6291.0	6691.1	6576.6	6634.7	6744.1
30°	5993.5	6434.6	6364.5	6703.1	6918.5
32.5°	5666.8	6171.3	6234.6	6903.2	7255.4
35°	5343.7	5908.0	6203.8	7234.9	7698.3
37.5°	4986.3	5641.2	6253.4	7617.9	8103.6
40°	4639.2	5381.3	6366.2	7961.6	8372.0
42.5°	4285.2	5148.7	6556.0	8165.1	8484.9
45°	3934.6	4950.4	6766.4	8192.5	8363.5
47.5°	3584.1	4782.8	6911.7	7975.3	7896.7
50°	3245.5	4634.0	6922.0	7453.8	7132.3
52.5°	2929.2	4497.2	6733.9	6622.7	6123.4
55°	2619.7	4336.5	6301.2	5524.9	4911.0
57.5°	2337.5	4114.2	5634.4	4345.0	3674.7
60°	2038.3	3813.2	4772.5	3178.8	2650.5
62.5°	1763.0	3438.8	3806.4	2212.7	1904.9
65°	1503.1	3004.4	2884.7	1604.0	1379.9
67.5°	1227.8	2554.7	2128.9	1169.6	1026.0
70°	1012.3	2137.5	1585.1	909.7	825.9
72.5°	791.7	1740.8	1185.0	738.7	692.5
75°	605.3	1405.6	926.8	634.4	601.9
77.5°	446.3	1111.5	745.5	560.9	530.1
80°	312.9	875.5	624.1	501.0	489.1
82.5°	210.3	677.1	531.8	477.1	478.8
85°	128.2	501.0	472.0	461.7	466.8
87.5°	61.6	355.7	405.3	420.7	425.8
90°	1.7	181.3	311.2	355.7	364.2
92.5°	0.0	138.5	273.6	318.1	326.6
95°	3.4	106.0	247.9	290.7	299.2
97.5°	3.4	87.2	222.3	266.8	271.9
100°	5.1	75.2	198.4	241.1	246.2
102.5°	5.1	66.7	177.8	215.5	218.9
105°	6.8	59.8	160.7	193.2	196.6



TEST NUMBER: P830079

CATALOG NUMBER: OHBL-24HE-W-UNV-L730-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	10.3	41.0	112.9	136.8	140.2
115°	10.3	34.2	99.2	121.4	124.8
117.5°	12.0	30.8	87.2	107.7	109.4
120°	12.0	25.6	75.2	95.8	97.5
122.5°	12.0	20.5	66.7	85.5	87.2
125°	12.0	17.1	58.1	75.2	76.9
127.5°	10.3	12.0	49.6	66.7	68.4
130°	10.3	10.3	41.0	58.1	61.6
132.5°	10.3	10.3	34.2	51.3	54.7
135°	10.3	10.3	27.4	46.2	47.9
137.5°	10.3	10.3	22.2	39.3	42.7
140°	10.3	10.3	17.1	34.2	35.9
142.5°	12.0	10.3	15.4	29.1	30.8
145°	13.7	10.3	12.0	22.2	25.6
147.5°	13.7	12.0	12.0	18.8	20.5
150°	13.7	13.7	10.3	13.7	17.1
152.5°	13.7	13.7	10.3	10.3	13.7
155°	13.7	13.7	10.3	10.3	10.3
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°	8.5	53.0	143.6	172.7	176.1
110°	8.5	46.2	126.5	153.9	157.3



(END OF REPORT)