

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: P830751

Luminaire Tested: **OHBL-72SE-MCL-UNV-L730-CD**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P830751
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-72SE-MCL-UNV-L730-CD
Description: 72000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

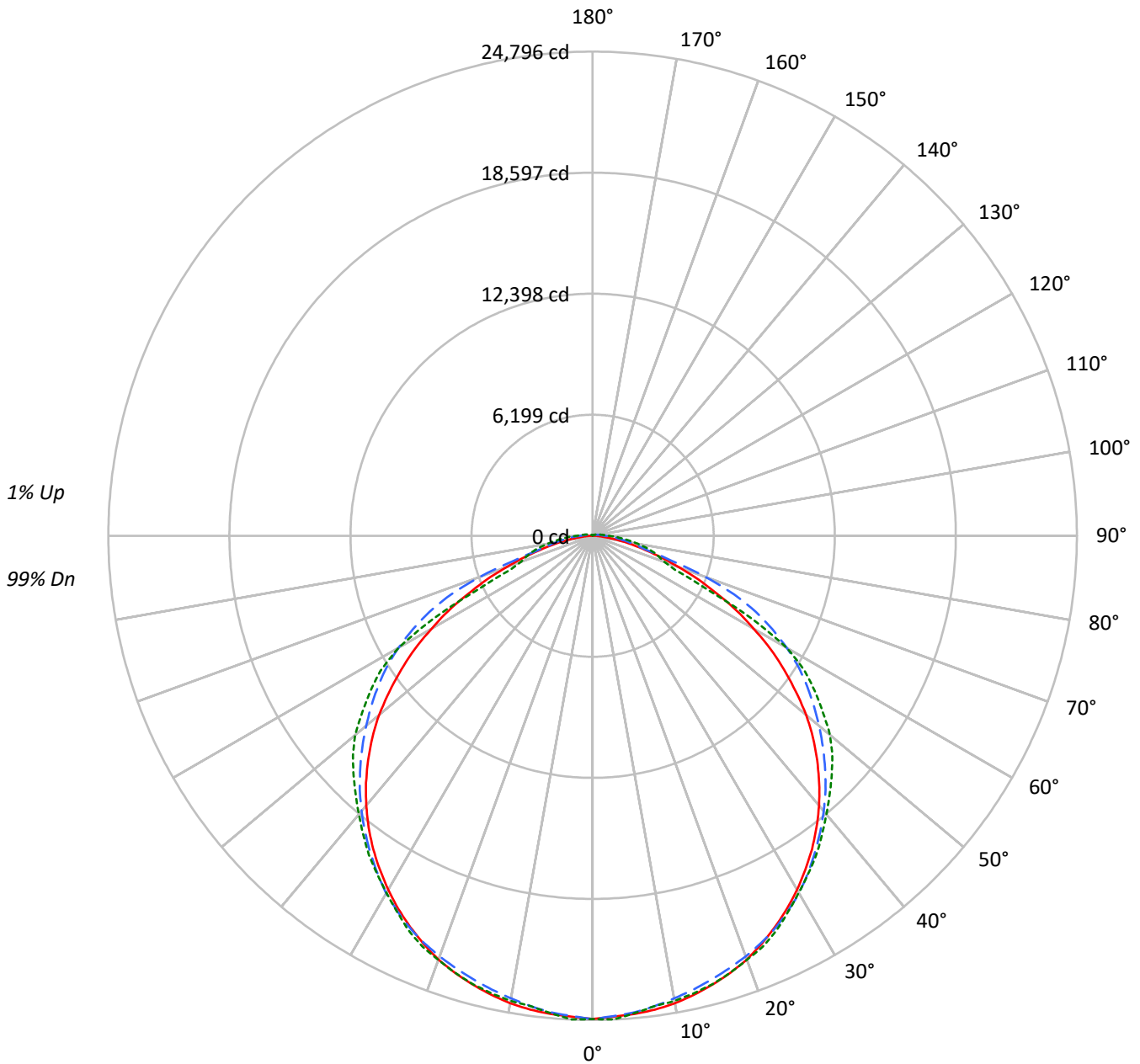
Lumens per Lamp: N/A
Luminaire Lumens: 69944.0 lumens
Efficiency: N/A
Efficacy: 169.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 413.7
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: P830751

CATALOG NUMBER: OHBL-72SE-MCL-UNV-L730-CD

Luminous Intensity Polar Plot





TEST NUMBER: P830751

CATALOG NUMBER: OHBL-72SE-MCL-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	106	106	106	101	101	101					99															
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86					83															
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72					70															
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61					59															
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53					51															
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46					44															
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40					38															
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36					34															
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32					30															
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29					27															
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26					24															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	39135	39135	39135
5°	38879	38567	38648
10°	38737	37983	38219
15°	38491	37546	37963
20°	38245	37271	37627
25°	37784	36994	37294
30°	37282	36557	36588
35°	36682	35864	36199
40°	35902	35148	35670
45°	34821	34319	35435
50°	33355	33376	35154
55°	31027	32448	33842
60°	27979	31090	31288
65°	24001	28570	19829
70°	19332	22303	14376
75°	14494	13240	14590
80°	10089	11009	13930
85°	5742	10086	13057



TEST NUMBER: P830751

CATALOG NUMBER: OHBL-72SE-MCL-UNV-L730-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2333.3	3.3
10°-20°	6690.9	9.6
20°-30°	10219.1	14.6
30°-40°	12399.3	17.7
40°-50°	12995.7	18.6
50°-60°	11776.0	16.8
60°-70°	7895.4	11.3
70°-80°	3545.4	5.1
80°-90°	1286.6	1.8
90°-100°	387.3	0.6
100°-110°	182.7	0.3
110°-120°	91.6	0.1
120°-130°	50.5	0.1
130°-140°	34.7	0.0
140°-150°	23.4	0.0
150°-160°	17.4	0.0
160°-170°	11.2	0.0
170°-180°	3.5	0.0
0°-30°	19243.4	27.5
0°-40°	31642.7	45.2
0°-60°	56414.5	80.7
0°-90°	69141.8	98.9
90°-120°	661.6	0.9
90°-150°	770.2	1.1
90°-180°	802.0	1.1
0°-180°	69944.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24746	24746	24746	24746	24746	
5°	24585	24671	24499	24574	24542	###
15°	23787	23694	23526	23734	23762	6716
25°	22098	22002	22156	22360	22295	10186
35°	19587	19633	19834	20045	19966	12242
45°	16255	16520	16828	17257	17311	12522
55°	11962	12538	13393	13930	13897	10677
65°	7020	8119	9217	7779	6351	6995
75°	2762	4008	2948	3016	3213	3019
85°	476	912	1170	1413	1481	581
90°	4	304	605	759	794	28
95°	4	190	415	504	519	5
105°	14	82	204	247	258	17
115°	29	43	104	132	140	27
125°	25	29	64	75	79	25
135°	32	36	39	57	61	26
145°	32	36	36	39	43	21
155°	36	39	39	39	36	17
165°	39	39	39	39	39	11
175°	39	39	36	32	32	4
180°	36	36	36	36	36	



TEST NUMBER: P830751

CATALOG NUMBER: OHBL-72SE-MCL-UNV-L730-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	24746.2	24746.2	24746.2	24746.2	24746.2
2.5°	24646.1	24749.8	24621.0	24760.6	24796.3
5°	24585.2	24671.1	24499.4	24574.5	24542.3
7.5°	24474.3	24502.9	24299.0	24359.8	24295.4
10°	24309.7	24295.4	24055.7	24173.7	24188.1
12.5°	24066.4	24023.5	23808.8	23987.7	23991.3
15°	23787.3	23694.3	23526.1	23733.6	23762.3
17.5°	23465.3	23343.6	23232.7	23501.1	23458.1
20°	23089.6	22946.5	22925.0	23218.4	23111.0
22.5°	22624.4	22513.5	22563.6	22842.7	22774.7
25°	22098.4	22001.8	22155.7	22359.6	22295.2
27.5°	21543.8	21486.6	21661.9	21819.3	21694.1
30°	20935.6	20903.4	21135.9	21264.7	21107.3
32.5°	20273.6	20284.3	20506.2	20681.5	20534.8
35°	19586.6	19633.1	19833.5	20044.6	19965.9
37.5°	18831.6	18935.4	19135.8	19375.5	19293.2
40°	18033.7	18184.0	18405.8	18695.7	18620.5
42.5°	17171.4	17361.0	17647.3	17969.3	17962.1
45°	16255.4	16520.2	16827.9	17257.3	17310.9
47.5°	15303.6	15600.6	15990.6	16563.1	16645.4
50°	14269.5	14641.6	15128.3	15815.3	15865.4
52.5°	13117.4	13625.5	14269.5	14927.9	14867.1
55°	11961.6	12537.7	13392.9	13929.6	13897.4
57.5°	10809.5	11457.1	12494.8	12877.6	12874.1
60°	9521.4	10340.8	11475.0	11764.8	11478.6
62.5°	8329.9	9210.1	10387.3	10176.2	9195.8
65°	7020.3	8118.7	9217.2	7778.8	6351.2
67.5°	5857.4	7002.4	7828.9	5327.8	4562.1
70°	4687.3	5950.4	6104.3	3953.8	3900.1
72.5°	3649.7	4995.0	4211.4	3384.9	3556.6
75°	2762.3	4007.5	2948.4	3016.4	3213.1
77.5°	2014.5	3077.2	2293.6	2644.2	2805.2
80°	1384.7	2179.1	1871.4	2222.0	2332.9
82.5°	869.5	1438.4	1499.2	1789.1	1903.6
85°	475.9	912.4	1170.0	1413.4	1481.3
87.5°	196.8	551.0	894.5	1091.3	1148.6
90°	3.6	304.1	604.7	758.6	794.3
92.5°	3.6	232.6	493.8	611.9	636.9
95°	3.6	189.6	415.1	504.5	518.8
97.5°	7.2	150.3	347.1	418.6	433.0
100°	10.7	125.2	289.8	350.7	361.4
102.5°	14.3	100.2	243.3	293.4	304.1
105°	14.3	82.3	204.0	246.9	257.6



TEST NUMBER: P830751

CATALOG NUMBER: OHBL-72SE-MCL-UNV-L730-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	25.0	50.1	121.7	153.9	161.0
115°	28.6	42.9	103.8	132.4	139.5
117.5°	28.6	35.8	89.5	110.9	118.1
120°	28.6	32.2	78.7	96.6	100.2
122.5°	28.6	28.6	68.0	85.9	89.5
125°	25.0	28.6	64.4	75.1	78.7
127.5°	28.6	28.6	57.2	68.0	71.6
130°	28.6	32.2	50.1	64.4	64.4
132.5°	32.2	35.8	46.5	60.8	60.8
135°	32.2	35.8	39.4	57.2	60.8
137.5°	35.8	35.8	35.8	53.7	57.2
140°	35.8	35.8	32.2	46.5	50.1
142.5°	32.2	35.8	32.2	42.9	46.5
145°	32.2	35.8	35.8	39.4	42.9
147.5°	35.8	35.8	35.8	35.8	39.4
150°	35.8	35.8	35.8	35.8	35.8
152.5°	35.8	35.8	35.8	35.8	35.8
155°	35.8	39.4	39.4	39.4	35.8
157.5°	35.8	39.4	39.4	39.4	39.4
160°	35.8	39.4	39.4	39.4	39.4
162.5°	39.4	39.4	39.4	39.4	39.4
165°	39.4	39.4	39.4	39.4	39.4
167.5°	39.4	42.9	39.4	39.4	39.4
170°	39.4	39.4	39.4	35.8	35.8
172.5°	39.4	39.4	39.4	35.8	35.8
175°	39.4	39.4	35.8	32.2	32.2
177.5°	42.9	39.4	35.8	32.2	28.6
180°	35.8	35.8	35.8	35.8	35.8



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	17.9	68.0	175.3	211.1	218.3
110°	21.5	57.2	146.7	178.9	186.1



(END OF REPORT)