

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: P830799

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

Issue Date: 5/3/2024



**Test Information**

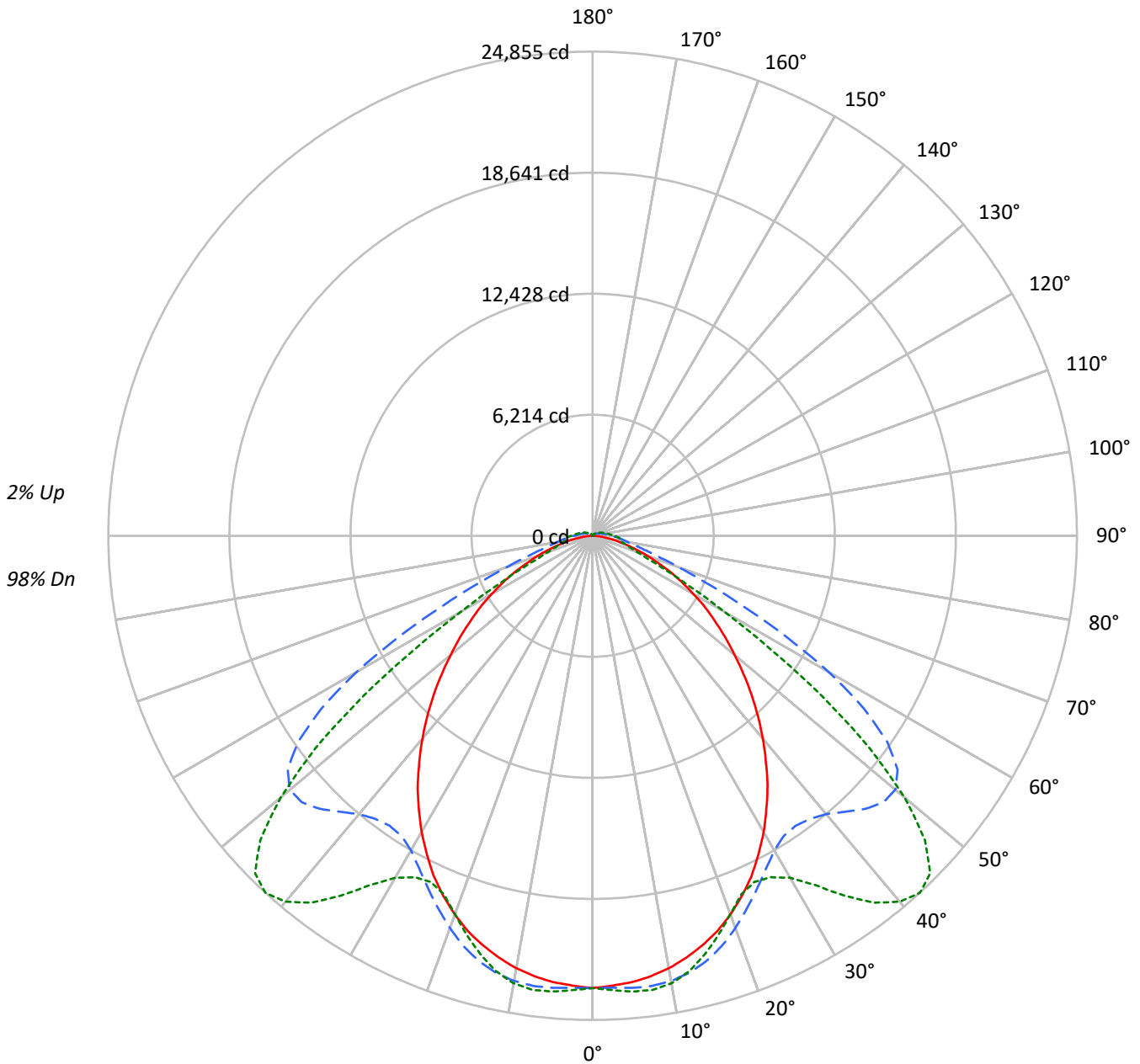
Test Method: LM-79-08  
Report Number: P830799  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-72SE-W-UNV-L730-CD  
Description: 72000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND WIDE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 69516.0 lumens  
Efficiency: N/A  
Efficacy: 168.0 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): 413.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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				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°	36717	36717	36717
5°	36375	36682	36979
10°	35918	36643	36867
15°	35218	36053	35532
20°	34258	34830	33640
25°	32974	33346	32811
30°	31265	32246	35131
35°	29316	32861	40886
40°	27054	35612	46979
45°	24690	40423	50150
50°	22223	44734	46294
55°	19905	44721	35032
60°	17546	37878	21163
65°	15053	26192	12620
70°	12230	16965	8918
75°	9304	12191	8006
80°	6679	10755	8554
85°	4533	11918	12054



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2218.7	3.2
10°-20°	6282.6	9.0
20°-30°	9193.5	13.2
30°-40°	11939.6	17.2
40°-50°	14579.8	21.0
50°-60°	12839.8	18.5
60°-70°	6690.9	9.6
70°-80°	2869.3	4.1
80°-90°	1378.0	2.0
90°-100°	647.4	0.9
100°-110°	402.4	0.6
110°-120°	237.9	0.3
120°-130°	129.3	0.2
130°-140°	64.9	0.1
140°-150°	31.2	0.0
150°-160°	10.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	17694.7	25.5
0°-40°	29634.3	42.6
0°-60°	57053.8	82.1
0°-90°	67992.0	97.8
90°-120°	1287.7	1.9
90°-150°	1513.1	2.2
90°-180°	1524.0	2.2
0°-180°	69516.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	23217	23217	23217	23217	23217	
5°	23002	23177	23302	23508	23483	###
15°	21764	22376	22591	22421	22240	6128
25°	19285	20317	19971	19596	19616	8850
35°	15653	17306	18173	21193	22551	9756
45°	11526	14501	19821	23998	24499	8887
55°	7674	12703	18458	16184	14386	6887
65°	4403	8801	8450	4698	4042	4356
75°	1773	4118	2715	1858	1763	1934
85°	376	1468	1382	1352	1368	419
90°	5	531	912	1042	1067	26
95°	10	311	726	852	877	7
105°	20	175	471	566	576	21
115°	30	100	290	356	366	31
125°	35	50	170	220	225	30
135°	30	30	80	135	140	23
145°	40	30	35	65	75	23
155°	40	40	30	30	30	12
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	23217.1	23217.1	23217.1	23217.1	23217.1
2.5°	23116.9	23217.1	23222.1	23362.3	23347.3
5°	23001.7	23177.0	23302.2	23507.6	23482.6
7.5°	22811.3	23086.8	23307.2	23532.6	23512.6
10°	22540.8	22916.5	23207.1	23392.4	23332.3
12.5°	22190.2	22686.1	22971.6	23011.7	22896.5
15°	21764.4	22375.5	22590.9	22420.6	22240.3
17.5°	21283.6	21999.9	22075.0	21704.3	21478.9
20°	20682.5	21499.0	21423.8	20912.9	20662.4
22.5°	20016.3	20948.0	20707.5	20171.6	19931.1
25°	19284.9	20316.8	19971.2	19595.5	19615.5
27.5°	18428.4	19600.5	19264.9	19435.2	19755.8
30°	17556.8	18849.2	18643.8	19635.6	20266.7
32.5°	16600.1	18077.8	18263.1	20221.6	21253.5
35°	15653.4	17306.4	18172.9	21193.4	22550.9
37.5°	14606.5	16524.9	18318.2	22315.4	23738.0
40°	13589.6	15763.6	18648.8	23322.3	24524.4
42.5°	12552.7	15082.3	19204.8	23918.3	24855.0
45°	11525.9	14501.3	19820.9	23998.5	24499.4
47.5°	10499.0	14010.4	20246.7	23362.3	23131.9
50°	9507.2	13574.6	20276.7	21834.6	20892.9
52.5°	8580.5	13173.9	19725.7	19400.2	17937.5
55°	7673.9	12703.0	18458.5	16184.3	14386.1
57.5°	6847.4	12051.8	16504.9	12728.1	10764.5
60°	5970.8	11170.2	13980.3	9311.9	7764.1
62.5°	5164.4	10073.3	11150.2	6481.7	5580.1
65°	4403.0	8800.9	8450.3	4698.5	4042.3
67.5°	3596.5	7483.6	6236.3	3426.2	3005.4
70°	2965.4	6261.3	4643.4	2664.8	2419.4
72.5°	2319.2	5099.2	3471.3	2163.9	2028.7
75°	1773.2	4117.5	2714.9	1858.4	1763.2
77.5°	1307.4	3255.9	2184.0	1643.0	1552.8
80°	916.7	2564.6	1828.3	1467.7	1432.6
82.5°	616.1	1983.6	1557.8	1397.5	1402.5
85°	375.7	1467.7	1382.5	1352.5	1367.5
87.5°	180.3	1041.9	1187.2	1232.2	1247.3
90°	5.0	531.0	911.7	1041.9	1066.9
92.5°	0.0	405.7	801.5	931.7	956.7
95°	10.0	310.6	726.3	851.5	876.6
97.5°	10.0	255.5	651.2	781.4	796.4
100°	15.0	220.4	581.1	706.3	721.3
102.5°	15.0	195.4	520.9	631.1	641.2
105°	20.0	175.3	470.9	566.0	576.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	30.1	120.2	330.6	400.7	410.7
115°	30.1	100.2	290.5	355.6	365.7
117.5°	35.1	90.2	255.5	315.6	320.6
120°	35.1	75.1	220.4	280.5	285.5
122.5°	35.1	60.1	195.4	250.5	255.5
125°	35.1	50.1	170.3	220.4	225.4
127.5°	30.1	35.1	145.3	195.4	200.4
130°	30.1	30.1	120.2	170.3	180.3
132.5°	30.1	30.1	100.2	150.3	160.3
135°	30.1	30.1	80.1	135.2	140.3
137.5°	30.1	30.1	65.1	115.2	125.2
140°	30.1	30.1	50.1	100.2	105.2
142.5°	35.1	30.1	45.1	85.2	90.2
145°	40.1	30.1	35.1	65.1	75.1
147.5°	40.1	35.1	35.1	55.1	60.1
150°	40.1	40.1	30.1	40.1	50.1
152.5°	40.1	40.1	30.1	30.1	40.1
155°	40.1	40.1	30.1	30.1	30.1
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°	25.0	155.3	420.8	505.9	515.9
110°	25.0	135.2	370.7	450.8	460.8



(END OF REPORT)