

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: P830439

Luminaire Tested: **OHBL-36SE-W-UNV-L730-CD**

Issue Date: 5/3/2024



**Test Information**

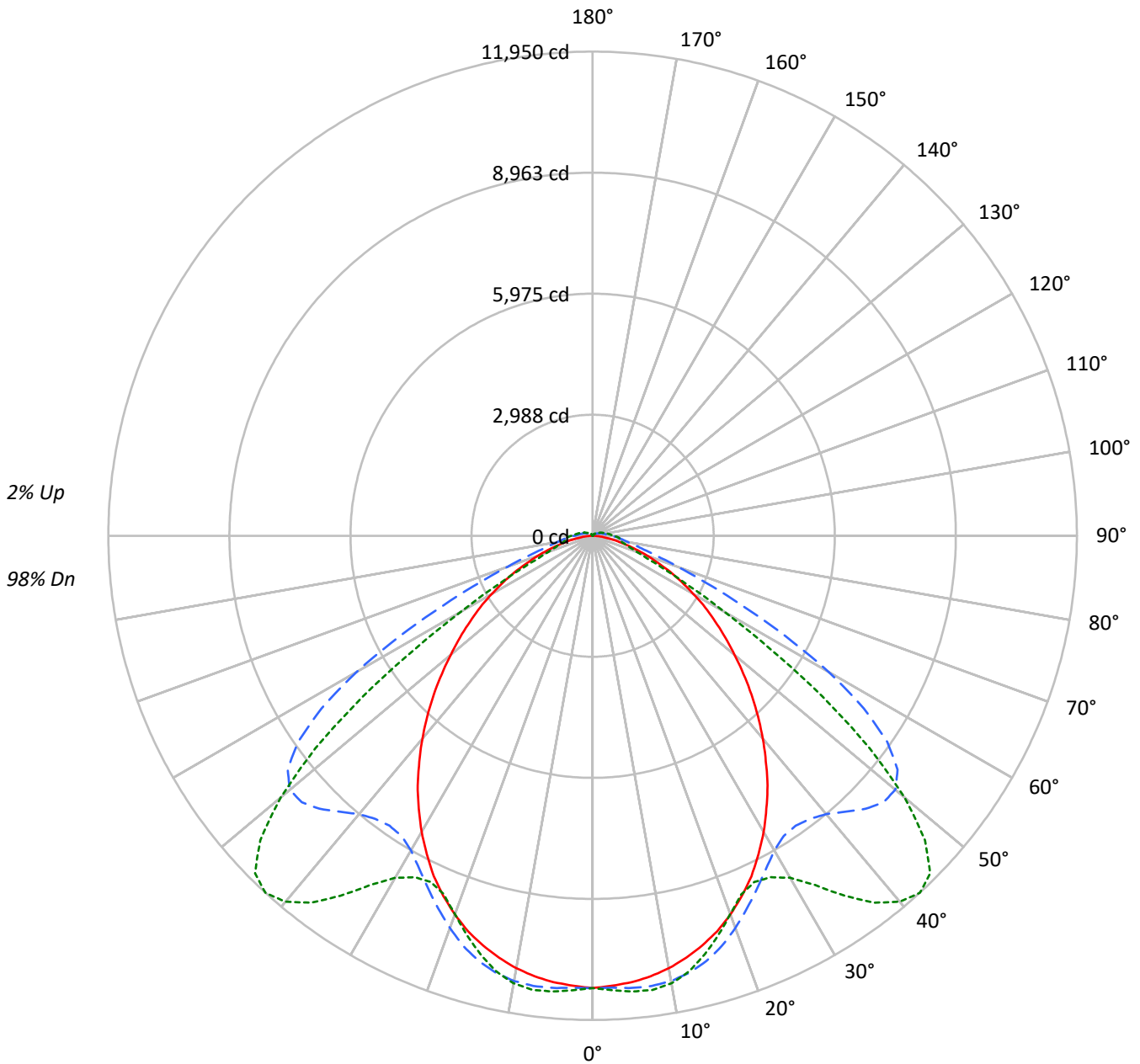
Test Method: LM-79-08  
Report Number: P830439  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-36SE-W-UNV-L730-CD  
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND WIDE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33423.1 lumens  
Efficiency: N/A  
Efficacy: 158.4 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): 211  
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

TEST NUMBER: P830439  
CATALOG NUMBER: OHBL-36SE-W-UNV-L730-CD

### 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°	17654	17654	17654
5°	17489	17637	17779
10°	17269	17618	17725
15°	16933	17334	17083
20°	16471	16746	16174
25°	15854	16033	15776
30°	15032	15504	16891
35°	14095	15799	19658
40°	13008	17122	22587
45°	11871	19435	24112
50°	10685	21508	22258
55°	9570	21501	16843
60°	8436	18211	10175
65°	7237	12593	6068
70°	5880	8157	4288
75°	4474	5861	3849
80°	3211	5171	4113
85°	2179	5730	5796



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1066.7	3.2
10°-20°	3020.6	9.0
20°-30°	4420.2	13.2
30°-40°	5740.5	17.2
40°-50°	7009.9	21.0
50°-60°	6173.3	18.5
60°-70°	3217.0	9.6
70°-80°	1379.5	4.1
80°-90°	662.5	2.0
90°-100°	311.3	0.9
100°-110°	193.5	0.6
110°-120°	114.4	0.3
120°-130°	62.2	0.2
130°-140°	31.2	0.1
140°-150°	15.0	0.0
150°-160°	5.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	8507.5	25.5
0°-40°	14248.0	42.6
0°-60°	27431.3	82.1
0°-90°	32690.2	97.8
90°-120°	619.1	1.9
90°-150°	727.6	2.2
90°-180°	733.0	2.2
0°-180°	33423.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	11163	11163	11163	11163	11163	
5°	11059	11143	11204	11302	11290	###
15°	10464	10758	10862	10780	10693	2946
25°	9272	9768	9602	9421	9431	4255
35°	7526	8321	8738	10190	10842	4691
45°	5542	6972	9530	11538	11779	4273
55°	3690	6108	8875	7781	6917	3311
65°	2117	4232	4063	2259	1944	2094
75°	853	1980	1305	894	848	930
85°	181	706	665	650	658	201
90°	2	255	438	501	513	13
95°	5	149	349	409	422	4
105°	10	84	226	272	277	10
115°	14	48	140	171	176	15
125°	17	24	82	106	108	14
135°	14	14	38	65	67	11
145°	19	14	17	31	36	11
155°	19	19	14	14	14	6
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P830439

CATALOG NUMBER: OHBL-36SE-W-UNV-L730-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	11162.7	11162.7	11162.7	11162.7	11162.7
2.5°	11114.5	11162.7	11165.1	11232.5	11225.3
5°	11059.1	11143.4	11203.6	11302.4	11290.3
7.5°	10967.6	11100.1	11206.0	11314.4	11304.8
10°	10837.5	11018.2	11157.9	11247.0	11218.1
12.5°	10669.0	10907.4	11044.7	11063.9	11008.5
15°	10464.3	10758.1	10861.6	10779.7	10693.0
17.5°	10233.1	10577.4	10613.6	10435.4	10327.0
20°	9944.0	10336.6	10300.5	10054.8	9934.4
22.5°	9623.7	10071.7	9956.1	9698.4	9582.8
25°	9272.1	9768.2	9602.1	9421.4	9431.1
27.5°	8860.3	9423.8	9262.5	9344.4	9498.5
30°	8441.2	9062.6	8963.9	9440.7	9744.2
32.5°	7981.3	8691.7	8780.8	9722.5	10218.6
35°	7526.1	8320.8	8737.5	10189.7	10842.4
37.5°	7022.7	7945.1	8807.3	10729.2	11413.1
40°	6533.8	7579.1	8966.3	11213.2	11791.2
42.5°	6035.3	7251.5	9233.6	11499.8	11950.2
45°	5541.6	6972.2	9529.8	11538.4	11779.2
47.5°	5047.9	6736.1	9734.5	11232.5	11121.7
50°	4571.0	6526.6	9749.0	10498.0	10045.2
52.5°	4125.5	6333.9	9484.1	9327.5	8624.3
55°	3689.6	6107.6	8874.7	7781.4	6916.8
57.5°	3292.2	5794.5	7935.5	6119.6	5175.5
60°	2870.7	5370.6	6721.7	4477.1	3732.9
62.5°	2483.0	4843.2	5361.0	3116.4	2682.9
65°	2116.9	4231.5	4062.9	2259.0	1943.5
67.5°	1729.2	3598.1	2998.4	1647.3	1445.0
70°	1425.7	3010.4	2232.5	1281.2	1163.2
72.5°	1115.1	2451.7	1669.0	1040.4	975.4
75°	852.6	1979.7	1305.3	893.5	847.7
77.5°	628.6	1565.4	1050.0	789.9	746.6
80°	440.7	1233.1	879.0	705.6	688.8
82.5°	296.2	953.7	749.0	671.9	674.3
85°	180.6	705.6	664.7	650.3	657.5
87.5°	86.7	500.9	570.8	592.5	599.7
90°	2.4	255.3	438.3	500.9	513.0
92.5°	0.0	195.1	385.3	448.0	460.0
95°	4.8	149.3	349.2	409.4	421.5
97.5°	4.8	122.8	313.1	375.7	382.9
100°	7.2	106.0	279.4	339.6	346.8
102.5°	7.2	93.9	250.5	303.5	308.3
105°	9.6	84.3	226.4	272.1	277.0



TEST NUMBER: P830439

CATALOG NUMBER: OHBL-36SE-W-UNV-L730-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	14.5	57.8	159.0	192.7	197.5
115°	14.5	48.2	139.7	171.0	175.8
117.5°	16.9	43.4	122.8	151.7	154.1
120°	16.9	36.1	106.0	134.9	137.3
122.5°	16.9	28.9	93.9	120.4	122.8
125°	16.9	24.1	81.9	106.0	108.4
127.5°	14.5	16.9	69.8	93.9	96.3
130°	14.5	14.5	57.8	81.9	86.7
132.5°	14.5	14.5	48.2	72.3	77.1
135°	14.5	14.5	38.5	65.0	67.4
137.5°	14.5	14.5	31.3	55.4	60.2
140°	14.5	14.5	24.1	48.2	50.6
142.5°	16.9	14.5	21.7	40.9	43.4
145°	19.3	14.5	16.9	31.3	36.1
147.5°	19.3	16.9	16.9	26.5	28.9
150°	19.3	19.3	14.5	19.3	24.1
152.5°	19.3	19.3	14.5	14.5	19.3
155°	19.3	19.3	14.5	14.5	14.5
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°	12.0	74.7	202.3	243.2	248.1
110°	12.0	65.0	178.2	216.8	221.6



(END OF REPORT)