

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: P830415

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830415
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36SE-N-UNV-L730-CD
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

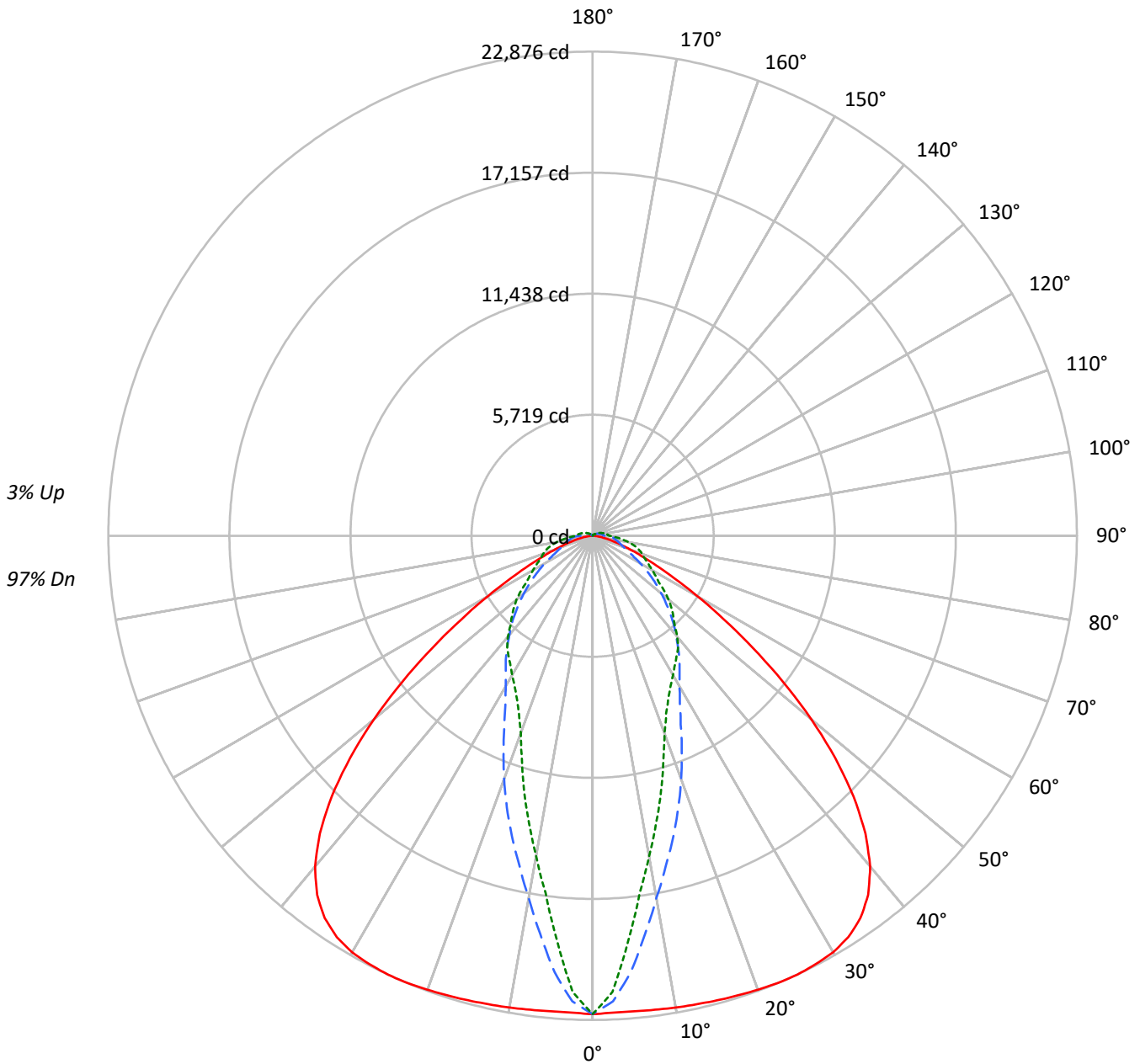
Lumens per Lamp: N/A
Luminaire Lumens: 33353.0 lumens
Efficiency: N/A
Efficacy: 158.1 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 211
Input Voltage (V): NR
Input Current (A_{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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	97																	
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	85	85	85	82																	
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	71																	
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	62																	
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	54																	
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	48																	
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	43																	
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	39																	
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	35																	
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	32																	
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	30																	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	35739	35739	35739
5°	35666	32561	30280
10°	36069	27440	24295
15°	36773	23479	19954
20°	37806	19861	16150
25°	39114	16448	14160
30°	40466	14177	13165
35°	41307	12928	12552
40°	40601	11685	11919
45°	37351	10567	11046
50°	31513	9343	10380
55°	23945	8192	9249
60°	16780	7033	8870
65°	11287	6067	8702
70°	7708	5705	9157
75°	5349	5901	9825
80°	3682	6567	10184
85°	2154	8288	10825



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1902.3	5.7
10°-20°	4475.1	13.4
20°-30°	5609.5	16.8
30°-40°	5952.3	17.8
40°-50°	5381.8	16.1
50°-60°	3902.2	11.7
60°-70°	2448.8	7.3
70°-80°	1620.5	4.9
80°-90°	933.6	2.8
90°-100°	452.3	1.4
100°-110°	312.2	0.9
110°-120°	192.6	0.6
120°-130°	93.3	0.3
130°-140°	42.9	0.1
140°-150°	23.4	0.1
150°-160°	10.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
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0°-30°	11986.9	35.9
0°-40°	17939.2	53.8
0°-60°	27223.1	81.6
0°-90°	32226.0	96.6
90°-120°	957.1	2.9
90°-150°	1116.8	3.3
90°-180°	1127.0	3.4
0°-180°	33353.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22598	22598	22598	22598	22598	
5°	22553	21975	20684	19725	19228	###
15°	22725	18523	14712	13083	12490	6445
25°	22876	14322	9851	8743	8466	10568
35°	22056	9522	7149	6926	6923	13711
45°	17436	6031	5181	5306	5396	13283
55°	9231	3738	3381	3667	3798	8341
65°	3302	2168	1957	2508	2787	3436
75°	1020	1168	1314	2041	2164	1136
85°	178	484	961	1338	1228	214
90°	0	202	557	785	792	11
95°	9	142	490	667	697	8
105°	17	95	357	473	486	17
115°	24	67	241	301	308	23
125°	26	34	123	155	153	22
135°	22	26	54	84	84	17
145°	26	28	32	50	47	15
155°	26	32	34	37	32	8
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-36SE-N-UNV-L730-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	22598.4	22598.4	22598.4	22598.4	22598.4
2.5°	22551.1	22422.1	22019.9	21774.7	21568.2
5°	22553.3	21974.7	20684.2	19725.0	19228.1
7.5°	22585.5	21299.4	18974.3	17574.2	17027.9
10°	22635.0	20462.7	17378.4	15885.8	15376.1
12.5°	22671.6	19520.6	15974.0	14440.5	13881.3
15°	22725.3	18522.7	14711.5	13083.3	12489.7
17.5°	22774.8	17582.8	13464.0	11762.7	11102.4
20°	22824.3	16569.7	12216.5	10463.6	9919.5
22.5°	22871.6	15500.8	10999.2	9454.9	9082.8
25°	22875.9	14322.2	9850.7	8743.0	8465.5
27.5°	22820.0	13100.5	8919.4	8147.2	7975.2
30°	22723.2	11915.4	8196.7	7717.1	7594.5
32.5°	22482.3	10706.7	7637.5	7302.0	7231.0
35°	22056.4	9521.6	7149.3	6925.6	6923.4
37.5°	21385.4	8469.8	6620.2	6581.4	6628.8
40°	20393.9	7549.3	6119.0	6222.3	6222.3
42.5°	19071.1	6749.2	5665.2	5770.6	5742.6
45°	17436.5	6030.8	5181.3	5306.0	5396.4
47.5°	15541.7	5398.5	4686.6	4927.5	5052.2
50°	13481.2	4796.3	4234.9	4542.5	4684.4
52.5°	11321.8	4239.2	3794.0	4146.7	4260.7
55°	9231.2	3738.1	3381.1	3667.1	3798.3
57.5°	7338.5	3260.6	2976.7	3247.7	3518.7
60°	5710.4	2849.8	2596.0	2983.2	3254.2
62.5°	4361.8	2484.2	2239.0	2735.8	3006.8
65°	3301.5	2168.0	1957.2	2507.8	2787.4
67.5°	2488.5	1894.9	1737.8	2342.2	2615.4
70°	1869.0	1630.3	1561.5	2239.0	2484.2
72.5°	1380.8	1387.3	1421.7	2148.6	2335.8
75°	1019.5	1167.9	1314.1	2041.1	2163.7
77.5°	729.1	967.9	1217.4	1912.1	1955.1
80°	505.4	789.3	1116.3	1742.1	1705.6
82.5°	316.2	632.3	1025.9	1555.0	1453.9
85°	178.5	483.9	961.4	1337.8	1228.1
87.5°	79.6	361.3	841.0	1043.1	974.3
90°	0.0	202.2	557.1	785.0	791.5
92.5°	4.3	167.8	514.0	718.4	739.9
95°	8.6	142.0	490.4	666.7	696.9
97.5°	10.8	124.7	460.3	619.4	645.2
100°	12.9	111.8	423.7	570.0	591.5
102.5°	15.1	103.2	389.3	518.3	535.5
105°	17.2	94.6	357.0	473.2	486.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	21.5	73.1	268.8	339.8	350.6
115°	23.7	66.7	240.9	301.1	307.6
117.5°	25.8	58.1	210.8	264.5	266.7
120°	25.8	51.6	180.7	225.8	225.8
122.5°	25.8	43.0	150.6	187.1	185.0
125°	25.8	34.4	122.6	154.9	152.7
127.5°	23.7	28.0	98.9	129.0	126.9
130°	23.7	28.0	79.6	109.7	109.7
132.5°	21.5	25.8	64.5	94.6	94.6
135°	21.5	25.8	53.8	83.9	83.9
137.5°	21.5	28.0	45.2	73.1	73.1
140°	21.5	25.8	38.7	64.5	64.5
142.5°	23.7	25.8	34.4	55.9	55.9
145°	25.8	28.0	32.3	49.5	47.3
147.5°	25.8	30.1	32.3	43.0	40.9
150°	25.8	32.3	32.3	38.7	36.6
152.5°	25.8	32.3	32.3	36.6	34.4
155°	25.8	32.3	34.4	36.6	32.3
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°	17.2	88.2	326.9	423.7	438.8
110°	19.4	79.6	299.0	378.5	393.6



(END OF REPORT)