

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: P830729

Luminaire Tested: **OHBL-60SE-W-UNV-L740-CD**

Issue Date: 5/3/2024

**Test Information**

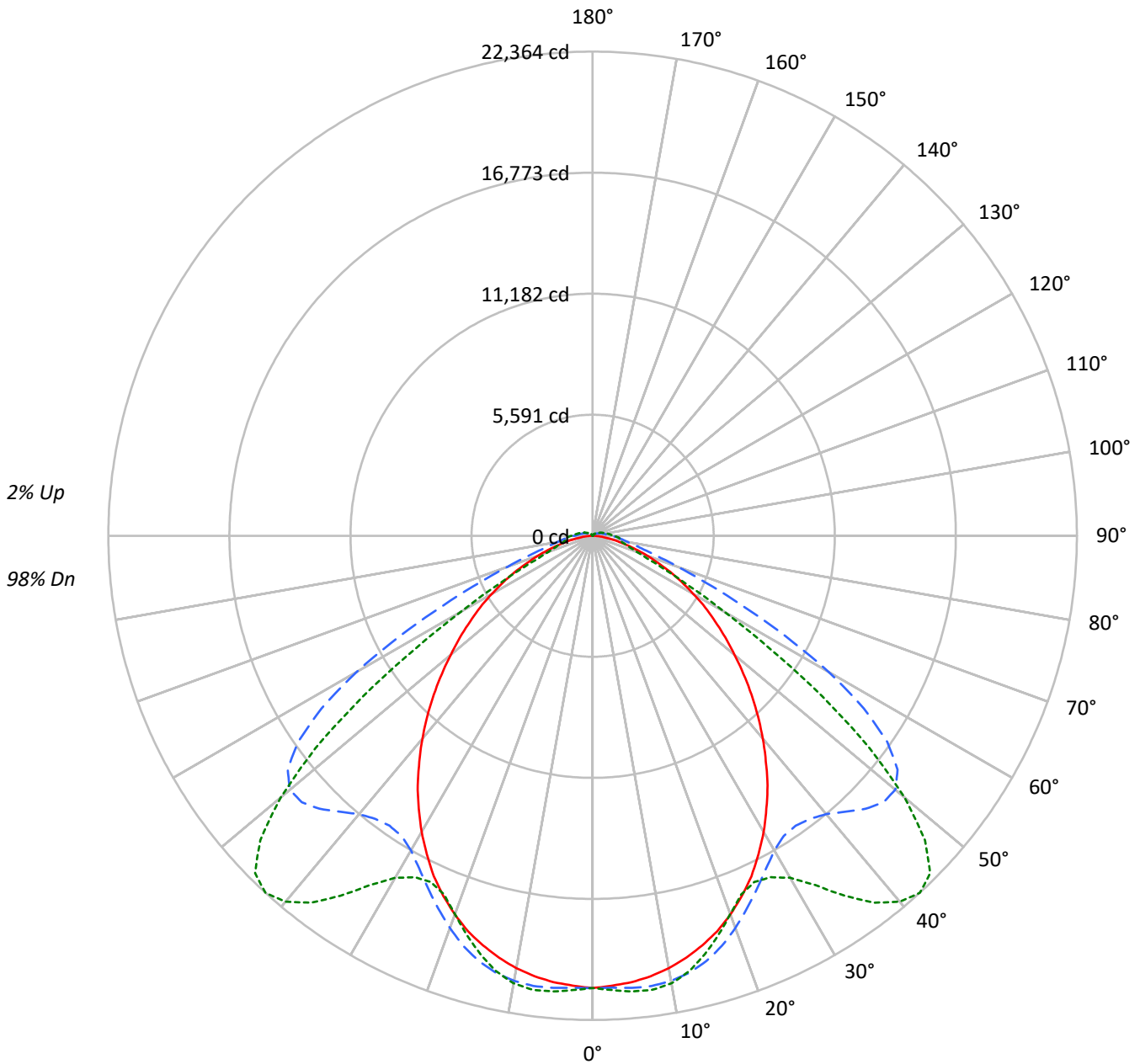
Test Method: LM-79-08  
Report Number: P830729  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-60SE-W-UNV-L740-CD  
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND WIDE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 62548.0 lumens  
Efficiency: N/A  
Efficacy: 172.8 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62  
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 362  
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									
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°	35680	35680	35680
5°	35347	35630	35911
10°	34903	35575	35779
15°	34223	34987	34461
20°	33290	33784	32605
25°	32042	32328	31779
30°	30382	31246	34001
35°	28487	31823	39538
40°	26290	34465	45390
45°	23992	39094	48404
50°	21596	43228	44631
55°	19343	43173	33727
60°	17050	36523	20340
65°	14628	25218	12103
70°	11885	16301	8528
75°	9041	11679	7624
80°	6490	10255	8090
85°	4404	11261	11250



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1996.3	3.2
10°-20°	5652.8	9.0
20°-30°	8271.9	13.2
30°-40°	10742.9	17.2
40°-50°	13118.4	21.0
50°-60°	11552.8	18.5
60°-70°	6020.2	9.6
70°-80°	2581.7	4.1
80°-90°	1239.8	2.0
90°-100°	582.5	0.9
100°-110°	362.0	0.6
110°-120°	214.1	0.3
120°-130°	116.3	0.2
130°-140°	58.4	0.1
140°-150°	28.1	0.0
150°-160°	9.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	15921.0	25.5
0°-40°	26663.9	42.6
0°-60°	51335.0	82.1
0°-90°	61176.7	97.8
90°-120°	1158.6	1.9
90°-150°	1361.4	2.2
90°-180°	1371.0	2.2
0°-180°	62548.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	20890	20890	20890	20890	20890	
5°	20696	20854	20966	21151	21129	###
15°	19583	20133	20326	20173	20011	5514
25°	17352	18280	17969	17631	17649	7963
35°	14084	15572	16351	19069	20290	8779
45°	10371	13048	17834	21593	22044	7996
55°	6905	11430	16608	14562	12944	6197
65°	3962	7919	7603	4228	3637	3919
75°	1596	3705	2443	1672	1586	1740
85°	338	1320	1244	1217	1230	377
90°	4	478	820	938	960	23
95°	9	279	654	766	789	7
105°	18	158	424	509	518	19
115°	27	90	261	320	329	28
125°	32	45	153	198	203	27
135°	27	27	72	122	126	21
145°	36	27	32	59	68	21
155°	36	36	27	27	27	11
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	20889.9	20889.9	20889.9	20889.9	20889.9
2.5°	20799.8	20889.9	20894.4	21020.6	21007.1
5°	20696.1	20853.8	20966.5	21151.3	21128.8
7.5°	20524.8	20772.7	20971.0	21173.8	21155.8
10°	20281.4	20619.5	20880.9	21047.6	20993.6
12.5°	19966.0	20412.1	20669.0	20705.1	20601.4
15°	19582.9	20132.7	20326.5	20173.3	20011.0
17.5°	19150.2	19794.7	19862.3	19528.8	19326.0
20°	18609.4	19344.0	19276.4	18816.7	18591.3
22.5°	18009.9	18848.2	18631.9	18149.6	17933.3
25°	17351.9	18280.3	17969.4	17631.3	17649.4
27.5°	16581.2	17635.8	17333.9	17487.1	17775.6
30°	15797.0	16959.8	16775.0	17667.4	18235.3
32.5°	14936.2	16265.7	16432.5	18194.7	19123.2
35°	14084.3	15571.6	16351.4	19069.1	20290.5
37.5°	13142.4	14868.6	16482.1	20078.6	21358.6
40°	12227.5	14183.5	16779.5	20984.5	22066.2
42.5°	11294.5	13570.5	17279.8	21520.9	22363.7
45°	10370.6	13047.7	17834.2	21593.0	22043.7
47.5°	9446.6	12606.0	18217.2	21020.6	20813.3
50°	8554.3	12213.9	18244.3	19646.0	18798.6
52.5°	7720.5	11853.4	17748.5	17455.6	16139.5
55°	6904.7	11429.7	16608.3	14562.1	12944.1
57.5°	6161.1	10843.8	14850.5	11452.3	9685.5
60°	5372.3	10050.6	12579.0	8378.5	6985.8
62.5°	4646.7	9063.6	10032.6	5832.0	5020.8
65°	3961.6	7918.8	7603.3	4227.6	3637.1
67.5°	3236.0	6733.4	5611.2	3082.8	2704.2
70°	2668.1	5633.7	4178.0	2397.7	2176.9
72.5°	2086.7	4588.1	3123.3	1947.0	1825.3
75°	1595.5	3704.7	2442.8	1672.1	1586.5
77.5°	1176.3	2929.5	1965.0	1478.3	1397.2
80°	824.8	2307.6	1645.1	1320.5	1289.0
82.5°	554.4	1784.8	1401.7	1257.4	1262.0
85°	338.0	1320.5	1243.9	1216.9	1230.4
87.5°	162.3	937.5	1068.2	1108.7	1122.2
90°	4.5	477.7	820.3	937.5	960.0
92.5°	0.0	365.1	721.1	838.3	860.8
95°	9.0	279.4	653.5	766.2	788.7
97.5°	9.0	229.9	585.9	703.1	716.6
100°	13.5	198.3	522.8	635.5	649.0
102.5°	13.5	175.8	468.7	567.9	576.9
105°	18.0	157.7	423.7	509.3	518.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	27.0	108.2	297.5	360.6	369.6
115°	27.0	90.1	261.4	320.0	329.0
117.5°	31.5	81.1	229.9	283.9	288.4
120°	31.5	67.6	198.3	252.4	256.9
122.5°	31.5	54.1	175.8	225.3	229.9
125°	31.5	45.1	153.2	198.3	202.8
127.5°	27.0	31.5	130.7	175.8	180.3
130°	27.0	27.0	108.2	153.2	162.3
132.5°	27.0	27.0	90.1	135.2	144.2
135°	27.0	27.0	72.1	121.7	126.2
137.5°	27.0	27.0	58.6	103.7	112.7
140°	27.0	27.0	45.1	90.1	94.6
142.5°	31.5	27.0	40.6	76.6	81.1
145°	36.1	27.0	31.5	58.6	67.6
147.5°	36.1	31.5	31.5	49.6	54.1
150°	36.1	36.1	27.0	36.1	45.1
152.5°	36.1	36.1	27.0	27.0	36.1
155°	36.1	36.1	27.0	27.0	27.0
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°	22.5	139.7	378.6	455.2	464.2
110°	22.5	121.7	333.5	405.6	414.6



(END OF REPORT)