

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: P830679

Luminaire Tested: **OHBL-60SE-MCL-UNV-L730-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830679  
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-60SE-MCL-UNV-L730-CD  
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND MEDIUM CLEAR LENS  
Light Source: -  
Ballast/Driver: -

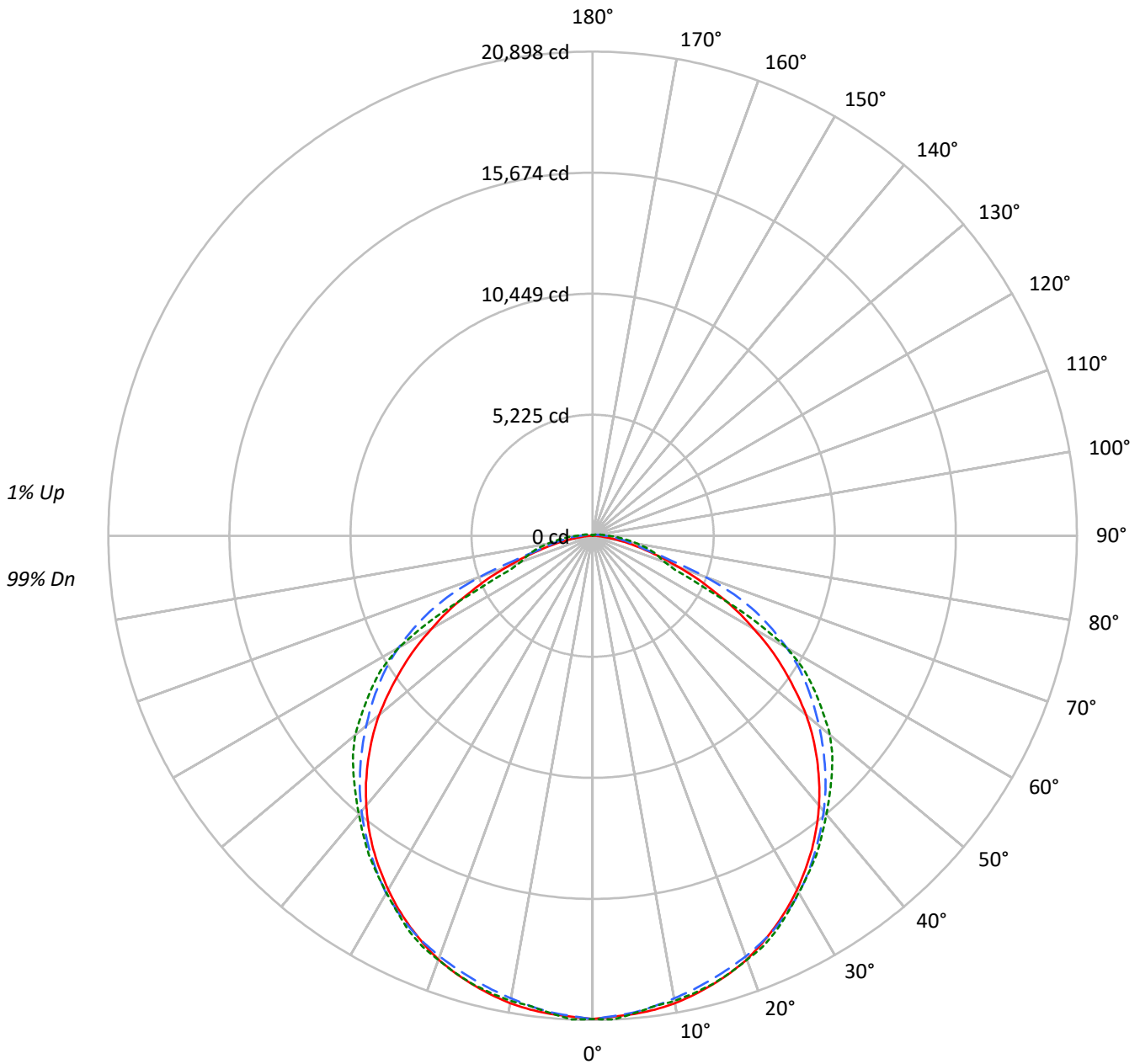
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 58949.0 lumens  
Efficiency: N/A  
Efficacy: 162.8 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39  
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	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°	35622	35622	35622
5°	35389	35089	35156
10°	35260	34542	34743
15°	35036	34129	34488
20°	34812	33862	34160
25°	34392	33594	33834
30°	33935	33180	33169
35°	33389	32532	32790
40°	32679	31863	32281
45°	31695	31090	32037
50°	30361	30211	31746
55°	28242	29342	30519
60°	25467	28081	28167
65°	21847	25765	17812
70°	17597	20072	12877
75°	13193	11880	13013
80°	9183	9832	12340
85°	5227	8927	11416



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1966.6	3.3
10°-20°	5639.1	9.6
20°-30°	8612.7	14.6
30°-40°	10450.2	17.7
40°-50°	10952.8	18.6
50°-60°	9924.9	16.8
60°-70°	6654.2	11.3
70°-80°	2988.0	5.1
80°-90°	1084.3	1.8
90°-100°	326.4	0.6
100°-110°	154.0	0.3
110°-120°	77.2	0.1
120°-130°	42.6	0.1
130°-140°	29.3	0.0
140°-150°	19.7	0.0
150°-160°	14.6	0.0
160°-170°	9.4	0.0
170°-180°	3.0	0.0
0°-30°	16218.4	27.5
0°-40°	26668.6	45.2
0°-60°	47546.3	80.7
0°-90°	58272.9	98.9
90°-120°	557.6	0.9
90°-150°	649.1	1.1
90°-180°	676.0	1.1
0°-180°	58949.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	20856	20856	20856	20856	20856	
5°	20720	20793	20648	20712	20684	###
15°	20048	19970	19828	20003	20027	5660
25°	18625	18543	18673	18845	18790	8585
35°	16508	16547	16716	16894	16827	10318
45°	13700	13923	14183	14544	14590	10554
55°	10081	10567	11288	11740	11713	8999
65°	5917	6842	7768	6556	5353	5895
75°	2328	3378	2485	2542	2708	2544
85°	401	769	986	1191	1248	489
90°	3	256	510	639	670	24
95°	3	160	350	425	437	4
105°	12	69	172	208	217	14
115°	24	36	88	112	118	22
125°	21	24	54	63	66	21
135°	27	30	33	48	51	22
145°	27	30	30	33	36	18
155°	30	33	33	33	30	14
165°	33	33	33	33	33	9
175°	33	33	30	27	27	3
180°	30	30	30	30	30	



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CATALOG NUMBER: OHBL-60SE-MCL-UNV-L730-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	20856.2	20856.2	20856.2	20856.2	20856.2
2.5°	20771.8	20859.2	20750.7	20868.3	20898.4
5°	20720.5	20792.9	20648.1	20711.5	20684.3
7.5°	20627.0	20651.1	20479.3	20530.5	20476.2
10°	20488.3	20476.2	20274.2	20373.7	20385.8
12.5°	20283.2	20247.0	20066.1	20216.9	20219.9
15°	20048.0	19969.6	19827.9	20002.8	20026.9
17.5°	19776.6	19674.1	19580.6	19806.8	19770.6
20°	19460.0	19339.3	19321.2	19568.5	19478.1
22.5°	19067.9	18974.4	19016.7	19251.9	19194.6
25°	18624.6	18543.2	18672.9	18844.8	18790.5
27.5°	18157.2	18109.0	18256.7	18389.4	18283.9
30°	17644.5	17617.4	17813.4	17922.0	17789.3
32.5°	17086.6	17095.7	17282.7	17430.4	17306.8
35°	16507.6	16546.8	16715.7	16893.6	16827.3
37.5°	15871.3	15958.8	16127.7	16329.7	16260.4
40°	15198.9	15325.5	15512.5	15756.7	15693.4
42.5°	14472.1	14631.9	14873.2	15144.6	15138.5
45°	13700.1	13923.2	14182.6	14544.5	14589.7
47.5°	12897.9	13148.2	13476.9	13959.4	14028.8
50°	12026.4	12340.0	12750.2	13329.2	13371.4
52.5°	11055.4	11483.6	12026.4	12581.3	12530.0
55°	10081.3	10566.8	11287.6	11739.9	11712.8
57.5°	9110.3	9656.1	10530.6	10853.3	10850.3
60°	8024.6	8715.2	9671.2	9915.4	9674.2
62.5°	7020.4	7762.3	8754.4	8576.5	7750.2
65°	5916.7	6842.5	7768.3	6556.0	5352.8
67.5°	4936.6	5901.6	6598.2	4490.3	3844.9
70°	3950.5	5015.0	5144.7	3332.3	3287.1
72.5°	3076.0	4209.8	3549.4	2852.8	2997.6
75°	2328.1	3377.5	2484.9	2542.2	2708.0
77.5°	1697.8	2593.5	1933.0	2228.6	2364.3
80°	1167.1	1836.5	1577.2	1872.7	1966.2
82.5°	732.8	1212.3	1263.6	1507.8	1604.3
85°	401.1	769.0	986.1	1191.2	1248.5
87.5°	165.9	464.4	753.9	919.8	968.0
90°	3.0	256.3	509.6	639.3	669.5
92.5°	3.0	196.0	416.2	515.7	536.8
95°	3.0	159.8	349.8	425.2	437.3
97.5°	6.0	126.7	292.5	352.8	364.9
100°	9.0	105.5	244.3	295.5	304.6
102.5°	12.1	84.4	205.1	247.3	256.3
105°	12.1	69.4	171.9	208.1	217.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	21.1	42.2	102.5	129.7	135.7
115°	24.1	36.2	87.5	111.6	117.6
117.5°	24.1	30.2	75.4	93.5	99.5
120°	24.1	27.1	66.3	81.4	84.4
122.5°	24.1	24.1	57.3	72.4	75.4
125°	21.1	24.1	54.3	63.3	66.3
127.5°	24.1	24.1	48.3	57.3	60.3
130°	24.1	27.1	42.2	54.3	54.3
132.5°	27.1	30.2	39.2	51.3	51.3
135°	27.1	30.2	33.2	48.3	51.3
137.5°	30.2	30.2	30.2	45.2	48.3
140°	30.2	30.2	27.1	39.2	42.2
142.5°	27.1	30.2	27.1	36.2	39.2
145°	27.1	30.2	30.2	33.2	36.2
147.5°	30.2	30.2	30.2	30.2	33.2
150°	30.2	30.2	30.2	30.2	30.2
152.5°	30.2	30.2	30.2	30.2	30.2
155°	30.2	33.2	33.2	33.2	30.2
157.5°	30.2	33.2	33.2	33.2	33.2
160°	30.2	33.2	33.2	33.2	33.2
162.5°	33.2	33.2	33.2	33.2	33.2
165°	33.2	33.2	33.2	33.2	33.2
167.5°	33.2	36.2	33.2	33.2	33.2
170°	33.2	33.2	33.2	30.2	30.2
172.5°	33.2	33.2	33.2	30.2	30.2
175°	33.2	33.2	30.2	27.1	27.1
177.5°	36.2	33.2	30.2	27.1	24.1
180°	30.2	30.2	30.2	30.2	30.2



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	15.1	57.3	147.8	177.9	184.0
110°	18.1	48.3	123.6	150.8	156.8



(END OF REPORT)