

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: P830693

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830693
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-60SE-MFL-UNV-L740-CD
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

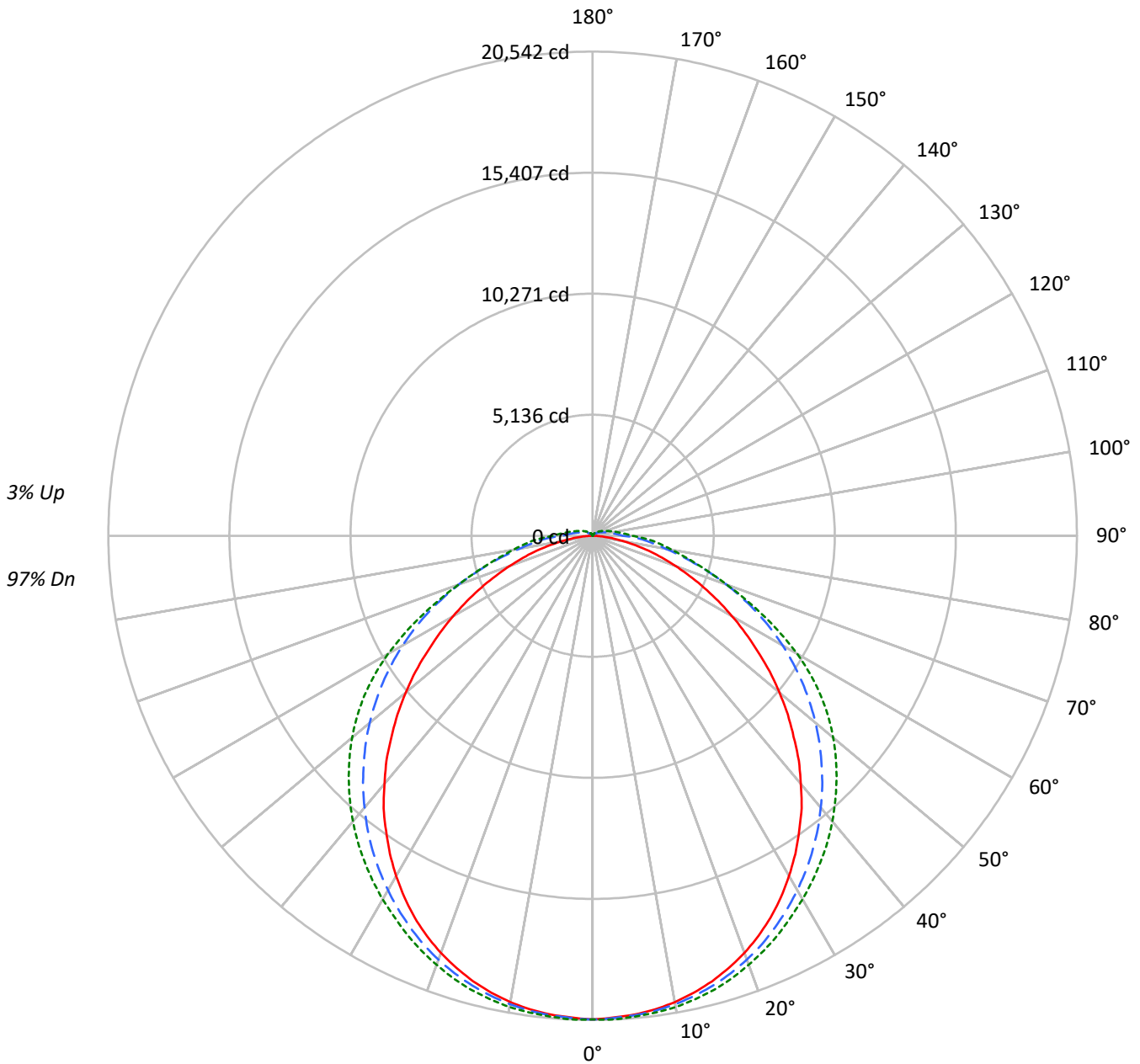
Lumens per Lamp: N/A
Luminaire Lumens: 61420.0 lumens
Efficiency: N/A
Efficacy: 169.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 362
Input Voltage (V): NR
Input Current (A_{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	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	82	82	80																	
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	68	68	66																	
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	58	58	56																	
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	50	50	47																	
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	43	43	41																	
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	38	38	36																	
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	34	34	32																	
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	30	30	28																	
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	27	27	25																	
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	25	25	23																	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	35052	35052	35052
5°	34828	34704	34804
10°	34584	34383	34599
15°	34197	34001	34338
20°	33685	33538	33965
25°	32999	32964	33588
30°	32051	32341	33208
35°	30903	31681	32875
40°	29525	30918	32544
45°	27899	30090	32127
50°	26120	29252	31624
55°	23934	28228	30793
60°	21694	27023	29174
65°	19250	25487	26541
70°	16600	23535	23689
75°	13918	21275	21722
80°	10552	19600	21403
85°	6676	20188	23605



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1944.6	3.2
10°-20°	5578.8	9.1
20°-30°	8436.9	13.7
30°-40°	10128.6	16.5
40°-50°	10461.3	17.0
50°-60°	9411.8	15.3
60°-70°	7089.8	11.5
70°-80°	4281.1	7.0
80°-90°	2093.8	3.4
90°-100°	881.3	1.4
100°-110°	503.1	0.8
110°-120°	295.3	0.5
120°-130°	167.0	0.3
130°-140°	87.9	0.1
140°-150°	42.8	0.1
150°-160°	15.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	15960.3	26.0
0°-40°	26089.0	42.5
0°-60°	45962.1	74.8
0°-90°	59426.7	96.8
90°-120°	1679.7	2.7
90°-150°	1977.5	3.2
90°-180°	1993.0	3.2
0°-180°	61420.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20522	20522	20522	20522	20522	
5°	20392	20447	20422	20502	20477	###
15°	19568	19664	19754	19920	19940	5517
25°	17870	18066	18322	18609	18654	8220
35°	15279	15635	16278	16770	16871	9551
45°	12059	12667	13727	14475	14631	9310
55°	8544	9427	10859	11678	11818	7660
65°	5214	6278	7685	8066	7976	5180
75°	2456	3526	4450	4566	4520	2620
85°	512	1351	2230	2536	2582	592
90°	0	527	1276	1607	1672	32
95°	25	357	954	1216	1261	21
105°	35	206	552	723	753	35
115°	40	116	342	457	477	41
125°	40	55	206	296	311	36
135°	35	45	106	181	201	28
145°	50	45	50	90	106	30
155°	50	55	50	45	50	15
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°	20522.4	20522.4	20522.4	20522.4	20522.4
2.5°	20462.1	20512.3	20482.2	20547.5	20542.5
5°	20391.8	20447.0	20421.9	20502.3	20477.2
7.5°	20271.2	20331.5	20326.5	20416.9	20406.9
10°	20095.5	20160.7	20180.8	20301.4	20301.4
12.5°	19854.4	19939.8	19990.0	20135.6	20140.7
15°	19568.1	19663.5	19753.9	19919.7	19939.8
17.5°	19221.5	19342.1	19467.6	19658.5	19683.6
20°	18829.8	18965.4	19136.1	19337.0	19367.2
22.5°	18377.7	18538.4	18759.4	18995.5	19030.7
25°	17870.4	18066.3	18322.5	18608.8	18654.0
27.5°	17292.8	17518.9	17865.4	18186.9	18227.0
30°	16665.0	16931.2	17363.2	17744.9	17810.2
32.5°	16002.0	16308.4	16840.8	17267.7	17358.1
35°	15278.8	15635.4	16278.3	16770.5	16870.9
37.5°	14565.6	14957.3	15685.6	16248.1	16368.7
40°	13731.8	14219.0	15052.8	15675.6	15821.2
42.5°	12948.3	13475.7	14419.9	15098.0	15238.6
45°	12059.3	12667.0	13726.8	14475.2	14630.9
47.5°	11225.5	11883.5	13058.8	13832.3	13993.0
50°	10346.6	11069.8	12345.6	13154.2	13320.0
52.5°	9467.6	10246.1	11607.2	12446.0	12601.7
55°	8543.5	9427.4	10858.9	11677.6	11818.2
57.5°	7684.6	8618.8	10090.4	10868.9	10954.3
60°	6835.8	7805.1	9306.9	9990.0	10020.1
62.5°	6007.0	7026.6	8503.3	9045.7	9005.5
65°	5213.5	6278.3	7684.6	8066.3	7975.9
67.5°	4450.0	5550.0	6845.8	7091.9	6971.4
70°	3726.8	4841.8	6032.2	6157.7	6047.2
72.5°	3088.9	4168.8	5208.4	5313.9	5233.6
75°	2456.1	3525.9	4450.0	4565.6	4520.3
77.5°	1863.4	2903.1	3751.9	3902.6	3912.6
80°	1341.0	2335.5	3144.2	3380.2	3410.4
82.5°	884.0	1813.2	2636.9	2938.2	2983.4
85°	512.3	1351.1	2230.0	2536.4	2581.6
87.5°	221.0	974.4	1793.1	2069.3	2124.6
90°	0.0	527.4	1275.7	1607.2	1672.5
92.5°	15.1	437.0	1094.9	1396.3	1451.5
95°	25.1	356.6	954.3	1215.5	1260.7
97.5°	30.1	301.4	828.7	1059.8	1105.0
100°	30.1	261.2	718.2	929.2	969.4
102.5°	30.1	231.0	627.8	813.7	848.8
105°	35.2	205.9	552.5	723.3	753.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	40.2	135.6	381.7	512.3	532.4
115°	40.2	115.5	341.5	457.1	477.1
117.5°	45.2	100.5	301.4	411.9	426.9
120°	45.2	85.4	266.2	366.7	386.7
122.5°	45.2	70.3	236.1	331.5	346.6
125°	40.2	55.2	205.9	296.3	311.4
127.5°	35.2	45.2	175.8	266.2	281.3
130°	35.2	40.2	150.7	236.1	251.1
132.5°	35.2	45.2	125.6	205.9	226.0
135°	35.2	45.2	105.5	180.8	200.9
137.5°	35.2	45.2	85.4	155.7	175.8
140°	40.2	45.2	70.3	130.6	150.7
142.5°	45.2	45.2	55.2	110.5	125.6
145°	50.2	45.2	50.2	90.4	105.5
147.5°	50.2	50.2	50.2	70.3	85.4
150°	50.2	55.2	50.2	55.2	70.3
152.5°	50.2	55.2	50.2	45.2	55.2
155°	50.2	55.2	50.2	45.2	50.2
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°	35.2	180.8	487.2	642.9	668.0
110°	35.2	160.7	431.9	572.6	597.7



(END OF REPORT)