

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: P830717

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830717
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-60SE-NL-UNV-L740-CD
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

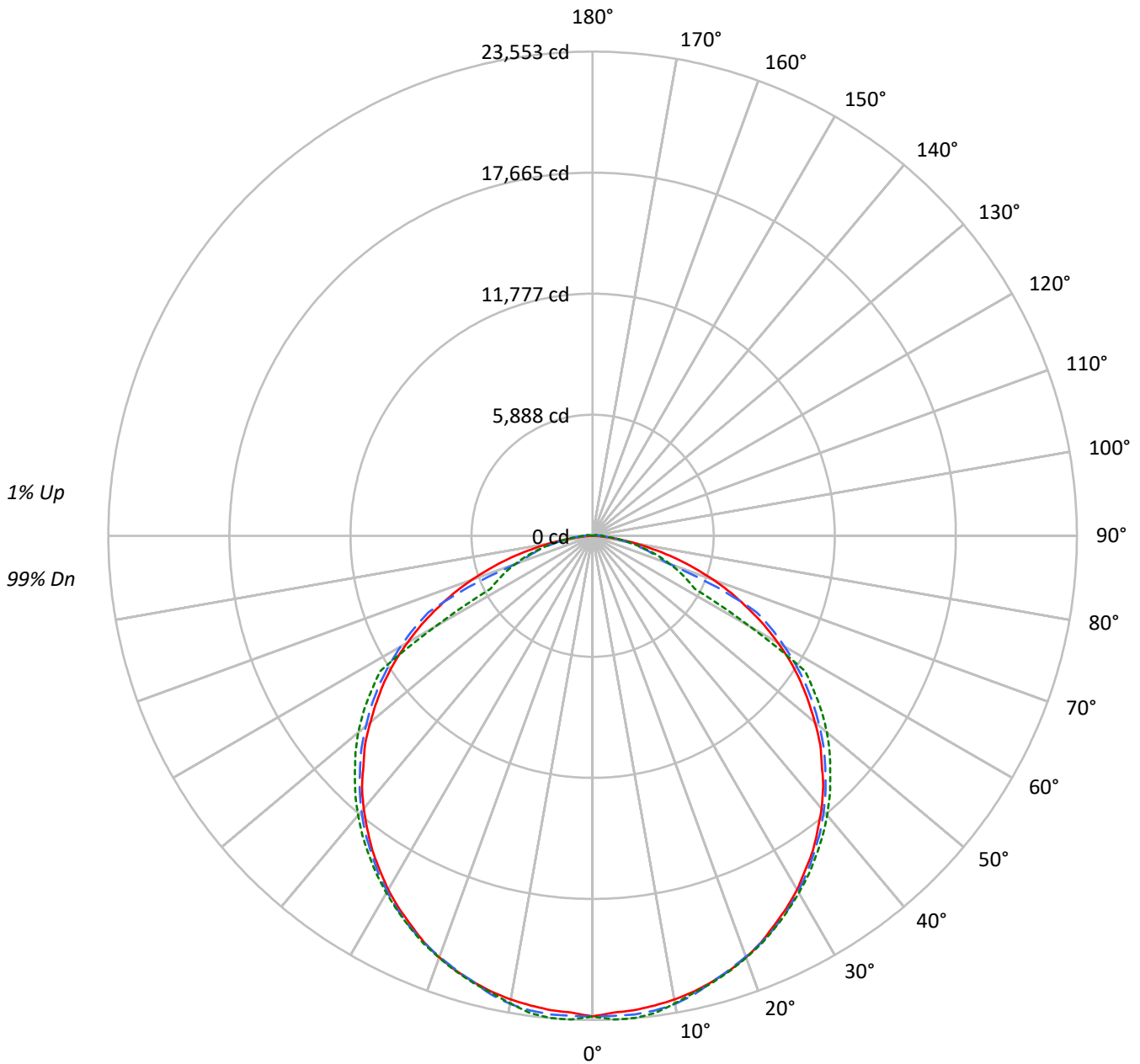
Lumens per Lamp: N/A
Luminaire Lumens: 65645.0 lumens
Efficiency: N/A
Efficacy: 181.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.67' x L: 3.78' x H: 0')
CIE Type: Direct

Input Watts (W): 362
Input Voltage (V): NR
Input Current (Ain): 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	111	111	111	106	106	106	102	102	102	99																			
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86	84																			
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73	71																			
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62	60																			
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53	51																			
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44																			
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39																			
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34																			
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30																			
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	39935	39935	39935
5°	39714	40073	40375
10°	39725	40102	40053
15°	39718	39711	39798
20°	39664	39604	39701
25°	39393	39594	39625
30°	39210	39413	39567
35°	38956	39170	39538
40°	38620	38986	39562
45°	38063	38638	39480
50°	37489	38254	39517
55°	36772	37725	39082
60°	35541	36802	30426
65°	33625	35581	20477
70°	31101	18889	19873
75°	27128	17950	18979
80°	20862	16465	17393
85°	10529	16642	17042



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2221.3	3.4
10°-20°	6360.2	9.7
20°-30°	9677.5	14.7
30°-40°	11766.5	17.9
40°-50°	12371.9	18.8
50°-60°	11297.0	17.2
60°-70°	7242.0	11.0
70°-80°	3421.0	5.2
80°-90°	948.6	1.4
90°-100°	251.2	0.4
100°-110°	68.8	0.1
110°-120°	19.1	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	18258.9	27.8
0°-40°	30025.4	45.7
0°-60°	53694.4	81.8
0°-90°	65305.9	99.5
90°-120°	339.1	0.5
90°-150°	339.1	0.5
90°-180°	339.0	0.5
0°-180°	65645.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23381	23381	23381	23381	23381	
5°	23163	23254	23373	23500	23549	###
15°	22462	22630	22458	22491	22507	6341
25°	20903	20936	21010	21042	21026	9645
35°	18684	18573	18786	19016	18962	11676
45°	15758	15729	15996	16374	16345	12180
55°	12349	12254	12669	13092	13125	11013
65°	8320	8320	8804	5050	5067	8249
75°	4111	4189	2720	2864	2876	4333
85°	537	681	849	919	870	794
90°	0	230	378	447	439	24
95°	12	119	271	365	365	7
105°	20	45	66	66	62	21
115°	20	29	41	29	4	15
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CATALOG NUMBER: OHBL-60SE-NL-UNV-L740-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	23381.1	23381.1	23381.1	23381.1	23381.1
2.5°	23216.9	23295.1	23381.1	23491.8	23553.1
5°	23163.4	23253.8	23372.8	23500.1	23549.2
7.5°	23048.8	23175.6	23290.7	23381.1	23409.7
10°	22905.0	23057.0	23122.6	23114.4	23093.9
12.5°	22712.1	22872.4	22852.0	22757.3	22773.8
15°	22462.0	22630.1	22458.0	22490.6	22507.1
17.5°	22166.6	22330.8	22129.7	22195.3	22199.6
20°	21822.1	21945.1	21789.1	21842.6	21842.6
22.5°	21407.8	21493.8	21428.2	21465.1	21473.4
25°	20903.0	20935.6	21009.5	21042.5	21026.0
27.5°	20419.2	20377.9	20521.7	20599.4	20558.2
30°	19881.4	19815.8	19983.9	20111.2	20062.1
32.5°	19266.0	19225.1	19418.0	19569.6	19540.9
35°	18683.5	18572.7	18786.0	19015.8	18962.3
37.5°	17994.2	17928.6	18170.5	18412.9	18384.2
40°	17321.3	17210.6	17485.5	17772.6	17744.0
42.5°	16599.4	16467.8	16767.5	17112.4	17079.4
45°	15758.1	15729.4	15996.1	16373.6	16344.9
47.5°	15011.8	14868.1	15241.2	15606.5	15639.5
50°	14108.8	14055.8	14396.4	14839.4	14872.0
52.5°	13227.1	13190.2	13546.8	13994.1	14051.5
55°	12348.8	12254.5	12668.9	13091.6	13124.6
57.5°	11409.7	11311.1	11733.7	12193.3	12262.8
60°	10404.2	10309.9	10773.4	11200.4	8906.9
62.5°	9399.1	9333.5	9817.8	6954.1	5604.5
65°	8320.1	8320.1	8804.0	5050.3	5066.8
67.5°	7311.1	7245.5	6564.5	4537.3	4537.3
70°	6227.8	6252.6	3782.4	3975.7	3979.6
72.5°	5140.6	5231.0	3265.9	3421.4	3429.7
75°	4110.8	4188.9	2720.0	2863.7	2875.9
77.5°	3019.7	2322.1	2186.6	2297.8	2301.7
80°	2121.0	1464.7	1674.0	1780.4	1768.3
82.5°	1238.8	1025.5	1226.6	1304.8	1300.5
85°	537.3	681.1	849.2	919.1	869.6
87.5°	172.0	422.6	529.0	570.3	566.0
90°	0.0	229.8	377.5	447.0	439.1
92.5°	0.0	180.3	328.4	410.5	414.4
95°	12.2	119.0	271.0	365.3	365.3
97.5°	8.3	86.0	192.9	287.1	295.4
100°	8.3	69.5	127.3	205.0	209.4
102.5°	20.4	57.3	77.8	131.2	135.5
105°	20.4	45.2	65.6	65.6	61.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	24.8	33.0	45.2	33.0	3.9
115°	20.4	28.7	40.8	28.7	3.9
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
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°	20.4	40.8	57.3	36.9	12.2
110°	24.8	36.9	49.1	33.0	3.9



(END OF REPORT)