

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: P830645

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830645
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-60HE-NL-UNV-L740-CD
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

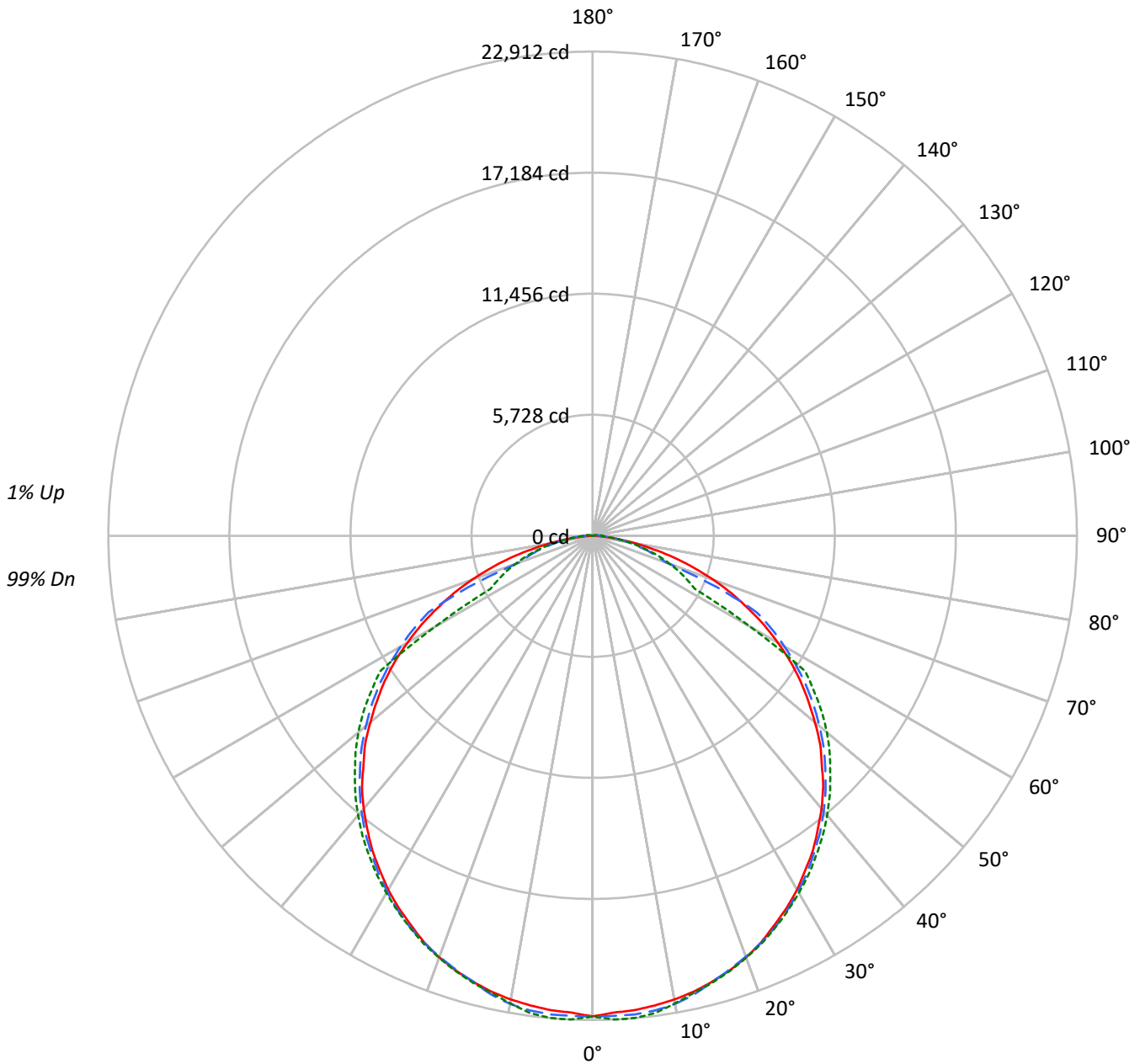
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 63858.0 lumens
Efficiency: N/A
Efficacy: 188.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.8' x L: 3.78' x H: 0')
CIE Type: Direct

Input Watts (W): 338
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°	35970	35970	35970
5°	35771	36095	36367
10°	35781	36121	36076
15°	35775	35769	35847
20°	35726	35672	35760
25°	35482	35663	35691
30°	35318	35500	35639
35°	35089	35281	35612
40°	34786	35116	35635
45°	34284	34802	35561
50°	33767	34456	35594
55°	33121	33980	35202
60°	32012	33148	27405
65°	30287	32048	18444
70°	28013	17013	17901
75°	24435	16167	17094
80°	18790	14830	15666
85°	9485	14990	15349



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2160.8	3.4
10°-20°	6187.0	9.7
20°-30°	9414.1	14.7
30°-40°	11446.2	17.9
40°-50°	12035.1	18.8
50°-60°	10989.5	17.2
60°-70°	7044.8	11.0
70°-80°	3327.9	5.2
80°-90°	922.8	1.4
90°-100°	244.4	0.4
100°-110°	66.9	0.1
110°-120°	18.5	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°	17761.9	27.8
0°-40°	29208.1	45.7
0°-60°	52232.7	81.8
0°-90°	63528.2	99.5
90°-120°	329.8	0.5
90°-150°	329.8	0.5
90°-180°	330.0	0.5
0°-180°	63858.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22745	22745	22745	22745	22745	
5°	22533	22621	22736	22860	22908	###
15°	21850	22014	21847	21878	21894	6169
25°	20334	20366	20438	20470	20454	9383
35°	18175	18067	18275	18498	18446	11358
45°	15329	15301	15561	15928	15900	11849
55°	12013	11921	12324	12735	12767	10713
65°	8094	8094	8564	4913	4929	8024
75°	3999	4075	2646	2786	2798	4215
85°	523	662	826	894	846	773
90°	0	224	367	435	427	23
95°	12	116	264	355	355	6
105°	20	44	64	64	60	20
115°	20	28	40	28	4	14
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-60HE-NL-UNV-L740-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	22744.6	22744.6	22744.6	22744.6	22744.6
2.5°	22584.9	22660.9	22744.6	22852.3	22911.9
5°	22532.9	22620.8	22736.5	22860.4	22908.1
7.5°	22421.3	22544.7	22656.7	22744.6	22772.5
10°	22281.5	22429.4	22493.2	22485.1	22465.3
12.5°	22093.9	22249.8	22229.9	22137.8	22153.9
15°	21850.5	22014.0	21846.7	21878.4	21894.4
17.5°	21563.2	21722.9	21527.3	21591.1	21595.3
20°	21228.1	21347.7	21196.0	21248.0	21248.0
22.5°	20825.0	20908.7	20844.9	20880.8	20888.8
25°	20334.0	20365.7	20437.5	20469.7	20453.6
27.5°	19863.3	19823.2	19963.0	20038.7	19998.5
30°	19340.2	19276.4	19439.9	19563.7	19516.0
32.5°	18741.5	18701.8	18889.4	19036.8	19009.0
35°	18174.9	18067.1	18274.6	18498.1	18446.1
37.5°	17504.3	17440.5	17675.9	17911.6	17883.7
40°	16849.8	16742.1	17009.5	17288.8	17260.9
42.5°	16147.6	16019.5	16311.1	16646.6	16614.5
45°	15329.1	15301.2	15560.7	15927.8	15899.9
47.5°	14603.2	14463.3	14826.3	15181.6	15213.8
50°	13724.7	13673.2	14004.5	14435.4	14467.1
52.5°	12867.0	12831.1	13178.0	13613.2	13669.0
55°	12012.6	11920.9	12324.0	12735.2	12767.3
57.5°	11099.1	11003.2	11414.3	11861.4	11929.0
60°	10121.0	10029.3	10480.1	10895.5	8664.5
62.5°	9143.2	9079.4	9550.5	6764.8	5452.0
65°	8093.6	8093.6	8564.3	4912.8	4928.9
67.5°	7112.1	7048.3	6385.8	4413.8	4413.8
70°	6058.3	6082.4	3679.4	3867.5	3871.3
72.5°	5000.7	5088.6	3177.0	3328.3	3336.3
75°	3998.9	4074.9	2645.9	2785.8	2797.6
77.5°	2937.5	2258.9	2127.0	2235.2	2239.0
80°	2063.2	1424.8	1628.4	1732.0	1720.1
82.5°	1205.1	997.6	1193.2	1269.3	1265.1
85°	522.7	662.5	826.1	894.1	845.9
87.5°	167.3	411.1	514.6	554.8	550.6
90°	0.0	223.5	367.2	434.8	427.2
92.5°	0.0	175.4	319.4	399.3	403.1
95°	11.8	115.8	263.7	355.4	355.4
97.5°	8.0	83.7	187.6	279.3	287.3
100°	8.0	67.6	123.8	199.4	203.7
102.5°	19.9	55.8	75.6	127.6	131.8
105°	19.9	43.9	63.8	63.8	60.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	24.1	32.1	43.9	32.1	3.8
115°	19.9	27.9	39.7	27.9	3.8
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°	19.9	39.7	55.8	35.9	11.8
110°	24.1	35.9	47.7	32.1	3.8



(END OF REPORT)