

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: P830633

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

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830633  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-60HE-N-UNV-L740-CD  
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND NARROW LENS  
Light Source: -  
Ballast/Driver: -

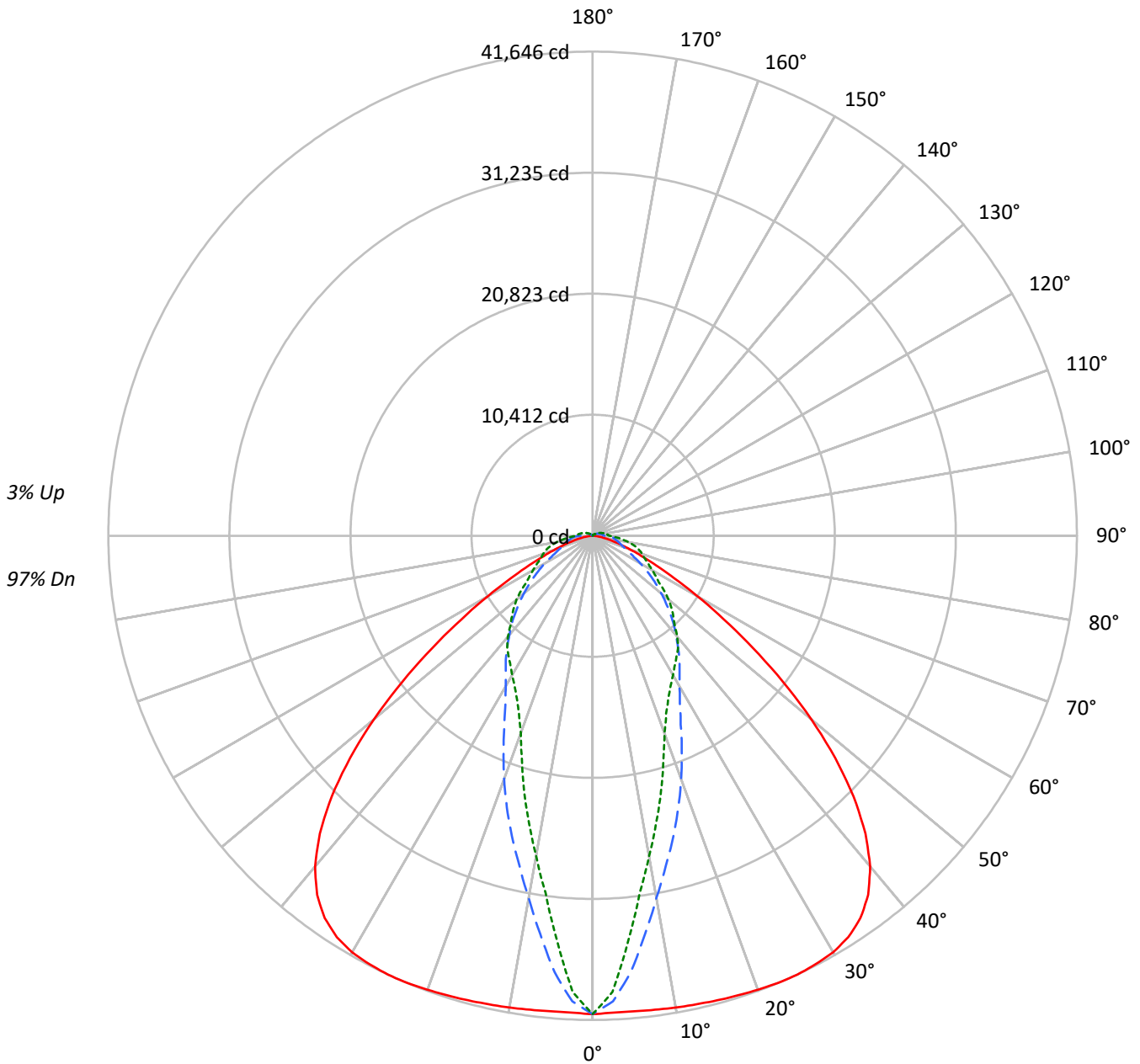
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 60719.0 lumens  
Efficiency: N/A  
Efficacy: 179.6 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78  
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 338  
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					20					
RC	80					70					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	99	97					
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	85	85	85	85	82					
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	73	71					
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	64	62					
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	56	54					
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	50	48					
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	45	43					
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	41	39					
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	37	35					
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	34	32					
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	32	30					

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	65063	65063	65063
5°	64930	59277	55124
10°	65663	49954	44229
15°	66945	42742	36326
20°	68826	36157	29401
25°	71206	29943	25779
30°	73667	25809	23966
35°	75200	23535	22852
40°	73913	21272	21699
45°	67997	19237	20109
50°	57369	17009	18896
55°	43592	14913	16839
60°	30548	12804	16148
65°	20548	11044	15843
70°	14034	10386	16670
75°	9739	10743	17887
80°	6704	11955	18540
85°	3921	15088	19708



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3463.2	5.7
10°-20°	8146.9	13.4
20°-30°	10212.0	16.8
30°-40°	10836.1	17.8
40°-50°	9797.6	16.1
50°-60°	7103.9	11.7
60°-70°	4458.0	7.3
70°-80°	2950.2	4.9
80°-90°	1699.6	2.8
90°-100°	823.4	1.4
100°-110°	568.3	0.9
110°-120°	350.7	0.6
120°-130°	169.9	0.3
130°-140°	78.1	0.1
140°-150°	42.7	0.1
150°-160°	18.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	21822.0	35.9
0°-40°	32658.1	53.8
0°-60°	49559.6	81.6
0°-90°	58667.4	96.6
90°-120°	1742.4	2.9
90°-150°	2033.1	3.3
90°-180°	2052.0	3.4
0°-180°	60719.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	41140	41140	41140	41140	41140	
5°	41058	40005	37656	35909	35005	###
15°	41371	33720	26782	23818	22737	11733
25°	41646	26073	17933	15917	15412	19240
35°	40154	17334	13015	12608	12604	24961
45°	31743	10979	9432	9660	9824	24182
55°	16805	6805	6155	6676	6915	15184
65°	6010	3947	3563	4566	5074	6254
75°	1856	2126	2392	3716	3939	2069
85°	325	881	1750	2436	2236	390
90°	0	368	1014	1429	1441	21
95°	16	258	893	1214	1269	14
105°	31	172	650	861	885	32
115°	43	121	438	548	560	42
125°	47	63	223	282	278	41
135°	39	47	98	153	153	31
145°	47	51	59	90	86	28
155°	47	59	63	67	59	14
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P830633

CATALOG NUMBER: OHBL-60HE-N-UNV-L740-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	41140.4	41140.4	41140.4	41140.4	41140.4
2.5°	41054.2	40819.3	40087.1	39640.7	39264.8
5°	41058.1	40004.9	37655.5	35909.2	35004.7
7.5°	41116.9	38775.4	34542.7	31993.7	30999.2
10°	41206.9	37252.3	31637.4	28920.0	27992.0
12.5°	41273.5	35537.3	29080.6	26288.8	25270.8
15°	41371.4	33720.5	26782.2	23818.1	22737.4
17.5°	41461.4	32009.4	24511.2	21414.0	20211.9
20°	41551.5	30165.2	22240.1	19049.0	18058.4
22.5°	41637.6	28219.1	20024.0	17212.6	16535.2
25°	41645.5	26073.4	17933.1	15916.6	15411.5
27.5°	41543.7	23849.4	16237.7	14832.0	14518.7
30°	41367.5	21692.0	14922.0	14048.9	13825.7
32.5°	40928.9	19491.5	13904.0	13293.2	13164.0
35°	40153.6	17334.0	13015.2	12608.0	12604.1
37.5°	38932.0	15419.3	12052.0	11981.5	12067.6
40°	37127.0	13743.5	11139.7	11327.6	11327.6
42.5°	34718.9	12286.9	10313.5	10505.3	10454.4
45°	31743.1	10979.1	9432.5	9659.6	9824.0
47.5°	28293.5	9828.0	8531.9	8970.5	9197.6
50°	24542.5	8731.6	7709.7	8269.6	8528.0
52.5°	20611.3	7717.5	6907.0	7549.1	7756.6
55°	16805.4	6805.2	6155.2	6676.0	6914.8
57.5°	13359.8	5935.9	5419.1	5912.4	6405.8
60°	10395.7	5188.1	4726.0	5430.8	5924.2
62.5°	7940.7	4522.4	4076.1	4980.5	5473.9
65°	6010.3	3946.8	3563.1	4565.5	5074.5
67.5°	4530.3	3449.6	3163.7	4264.0	4761.3
70°	3402.6	2968.0	2842.7	4076.1	4522.4
72.5°	2513.8	2525.5	2588.2	3911.6	4252.3
75°	1856.0	2126.1	2392.4	3715.8	3939.0
77.5°	1327.4	1762.0	2216.2	3480.9	3559.2
80°	920.1	1437.0	2032.2	3171.6	3105.0
82.5°	575.6	1151.2	1867.7	2830.9	2646.9
85°	325.0	881.0	1750.2	2435.5	2235.8
87.5°	144.9	657.8	1531.0	1899.0	1773.7
90°	0.0	368.1	1014.1	1429.2	1440.9
92.5°	7.8	305.4	935.8	1307.8	1346.9
95°	15.7	258.4	892.7	1213.8	1268.6
97.5°	19.6	227.1	837.9	1127.7	1174.7
100°	23.5	203.6	771.4	1037.6	1076.8
102.5°	27.4	187.9	708.7	943.6	975.0
105°	31.3	172.3	650.0	861.4	884.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	39.2	133.1	489.4	618.7	638.2
115°	43.1	121.4	438.5	548.2	559.9
117.5°	47.0	105.7	383.7	481.6	485.5
120°	47.0	94.0	328.9	411.1	411.1
122.5°	47.0	78.3	274.1	340.7	336.7
125°	47.0	62.6	223.2	281.9	278.0
127.5°	43.1	50.9	180.1	234.9	231.0
130°	43.1	50.9	144.9	199.7	199.7
132.5°	39.2	47.0	117.5	172.3	172.3
135°	39.2	47.0	97.9	152.7	152.7
137.5°	39.2	50.9	82.2	133.1	133.1
140°	39.2	47.0	70.5	117.5	117.5
142.5°	43.1	47.0	62.6	101.8	101.8
145°	47.0	50.9	58.7	90.1	86.1
147.5°	47.0	54.8	58.7	78.3	74.4
150°	47.0	58.7	58.7	70.5	66.6
152.5°	47.0	58.7	58.7	66.6	62.6
155°	47.0	58.7	62.6	66.6	58.7
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°	31.3	160.5	595.2	771.4	798.8
110°	35.2	144.9	544.3	689.1	716.5



(END OF REPORT)