

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: P830643

Luminaire Tested: **OHBL-60HE-NL-UNV-L730-CD**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P830643
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-L730-CD
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

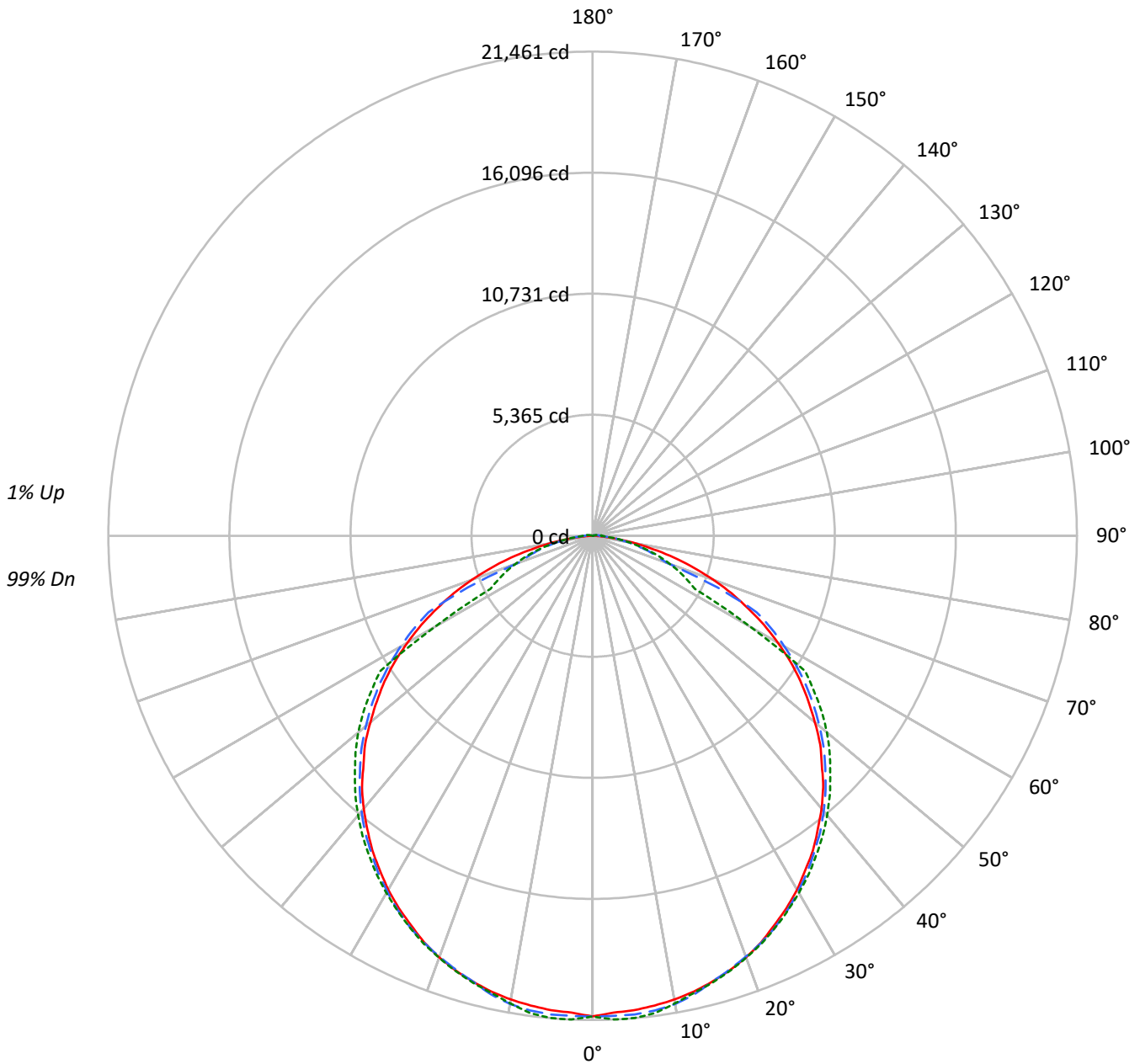
Lumens per Lamp: N/A
Luminaire Lumens: 59815.0 lumens
Efficiency: N/A
Efficacy: 177.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.8' x L: 3.78' x H: 0')
CIE Type: Direct

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					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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	99					99			
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86	84					84			
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73	71					71			
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62	60					60			
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53	51					51			
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44					44			
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39					39			
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34					34			
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30					30			
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27					27			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25					25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	33693	33693	33693
5°	33507	33809	34064
10°	33516	33834	33792
15°	33510	33504	33577
20°	33464	33414	33496
25°	33236	33405	33431
30°	33082	33252	33382
35°	32867	33048	33358
40°	32584	32892	33379
45°	32114	32599	33310
50°	31630	32274	33341
55°	31024	31829	32974
60°	29985	31049	25670
65°	28370	30019	17276
70°	26239	15936	16767
75°	22888	15144	16012
80°	17601	13891	14674
85°	8884	14041	14378



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2024.0	3.4
10°-20°	5795.3	9.7
20°-30°	8818.0	14.7
30°-40°	10721.5	17.9
40°-50°	11273.1	18.8
50°-60°	10293.7	17.2
60°-70°	6598.8	11.0
70°-80°	3117.2	5.2
80°-90°	864.4	1.4
90°-100°	228.9	0.4
100°-110°	62.7	0.1
110°-120°	17.4	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°	16637.3	27.8
0°-40°	27358.9	45.7
0°-60°	48925.7	81.8
0°-90°	59506.1	99.5
90°-120°	309.0	0.5
90°-150°	309.0	0.5
90°-180°	309.0	0.5
0°-180°	59815.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21305	21305	21305	21305	21305	
5°	21106	21189	21297	21413	21458	###
15°	20467	20620	20464	20493	20508	5778
25°	19047	19076	19144	19174	19159	8789
35°	17024	16923	17118	17327	17278	10639
45°	14359	14332	14576	14919	14893	11098
55°	11252	11166	11544	11929	11959	10035
65°	7581	7581	8022	4602	4617	7516
75°	3746	3817	2478	2609	2620	3949
85°	490	621	774	838	792	724
90°	0	209	344	407	400	21
95°	11	108	247	333	333	6
105°	19	41	60	60	56	19
115°	19	26	37	26	4	13
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-L730-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	21304.6	21304.6	21304.6	21304.6	21304.6
2.5°	21155.0	21226.2	21304.6	21405.5	21461.3
5°	21106.3	21188.6	21297.0	21413.0	21457.7
7.5°	21001.8	21117.4	21222.2	21304.6	21330.7
10°	20870.8	21009.3	21069.1	21061.6	21043.0
12.5°	20695.1	20841.1	20822.5	20736.2	20751.3
15°	20467.1	20620.3	20463.5	20493.2	20508.2
17.5°	20198.0	20347.6	20164.3	20224.1	20228.0
20°	19884.1	19996.1	19854.0	19902.7	19902.7
22.5°	19506.5	19584.9	19525.1	19558.8	19566.3
25°	19046.6	19076.3	19143.6	19173.7	19158.6
27.5°	18605.7	18568.1	18699.1	18770.0	18732.4
30°	18115.7	18056.0	18209.2	18325.1	18280.4
32.5°	17554.9	17517.7	17693.4	17831.6	17805.5
35°	17024.2	16923.3	17117.6	17327.0	17278.3
37.5°	16396.1	16336.3	16556.8	16777.6	16751.5
40°	15783.0	15682.1	15932.6	16194.2	16168.1
42.5°	15125.2	15005.3	15278.4	15592.6	15562.6
45°	14358.6	14332.5	14575.5	14919.4	14893.3
47.5°	13678.6	13547.6	13887.6	14220.5	14250.5
50°	12855.8	12807.5	13117.8	13521.5	13551.2
52.5°	12052.4	12018.7	12343.7	12751.3	12803.6
55°	11252.1	11166.2	11543.8	11928.9	11959.0
57.5°	10396.4	10306.6	10691.7	11110.4	11173.7
60°	9480.2	9394.3	9816.6	10205.6	8115.9
62.5°	8564.3	8504.6	8945.9	6336.5	5106.8
65°	7581.2	7581.2	8022.1	4601.8	4616.8
67.5°	6661.8	6602.0	5981.5	4134.3	4134.3
70°	5674.7	5697.3	3446.5	3622.6	3626.2
72.5°	4684.1	4766.4	2975.9	3117.6	3125.1
75°	3745.7	3816.9	2478.4	2609.4	2620.5
77.5°	2751.5	2115.9	1992.4	2093.7	2097.3
80°	1932.6	1334.6	1525.3	1622.3	1611.2
82.5°	1128.8	934.4	1117.7	1188.9	1185.0
85°	489.6	620.6	773.8	837.5	792.4
87.5°	156.7	385.1	482.1	519.7	515.7
90°	0.0	209.4	343.9	407.3	400.1
92.5°	0.0	164.2	299.2	374.0	377.6
95°	11.1	108.4	247.0	332.9	332.9
97.5°	7.5	78.4	175.7	261.6	269.1
100°	7.5	63.3	116.0	186.8	190.8
102.5°	18.6	52.2	70.8	119.5	123.5
105°	18.6	41.2	59.8	59.8	56.2



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CATALOG NUMBER: OHBL-60HE-NL-UNV-L730-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	22.6	30.1	41.2	30.1	3.6
115°	18.6	26.1	37.2	26.1	3.6
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°	18.6	37.2	52.2	33.6	11.1
110°	22.6	33.6	44.7	30.1	3.6



(END OF REPORT)