

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: P830644

Luminaire Tested: **OHBL-60HE-NL-UNV-L735-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830644
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-L735-CD
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

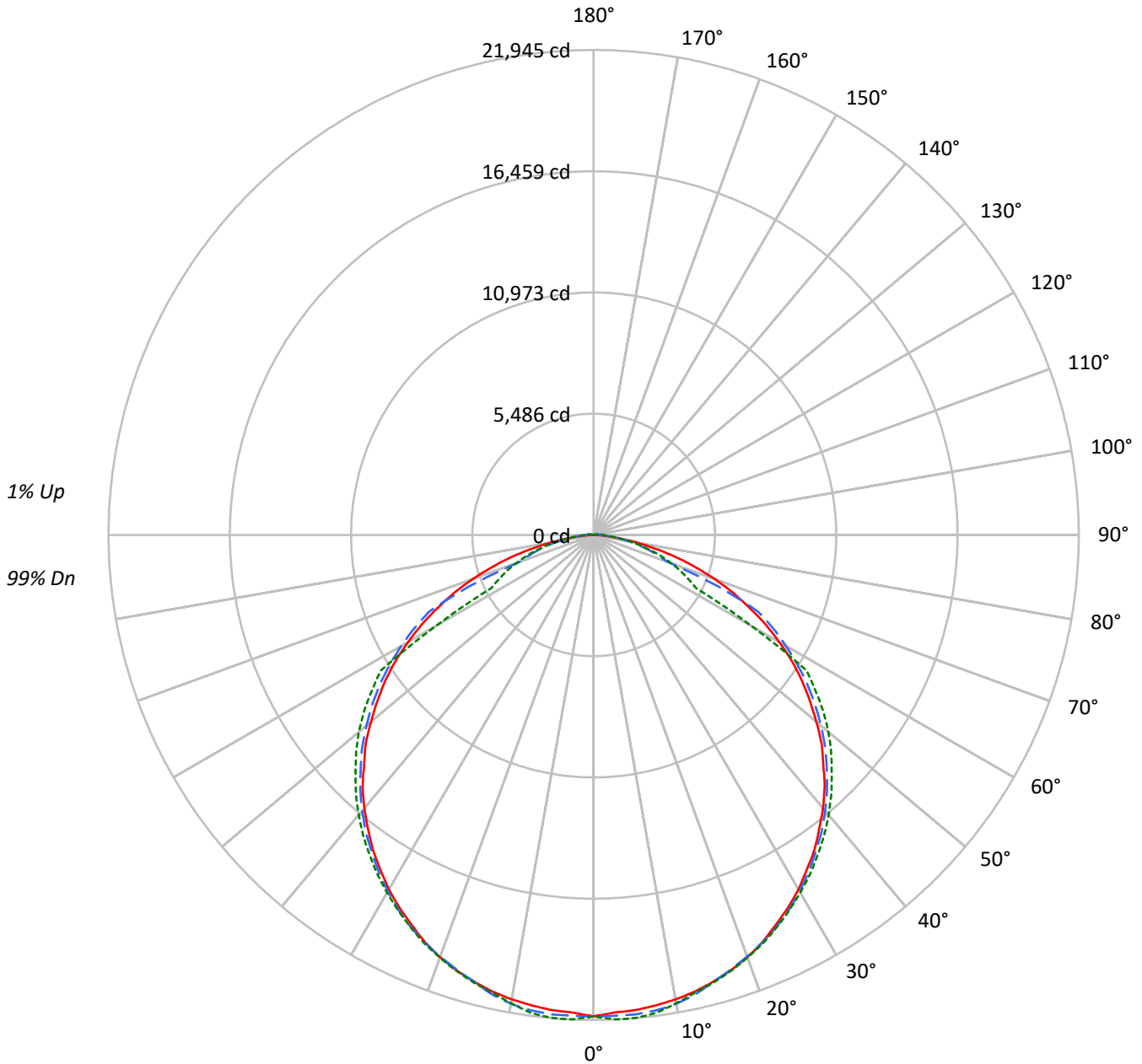
Lumens per Lamp: N/A
Luminaire Lumens: 61163.0 lumens
Efficiency: N/A
Efficacy: 181.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.8' x L: 3.78' x H: 0')
CIE Type: Direct

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									
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°	34452	34452	34452
5°	34262	34571	34832
10°	34271	34597	34554
15°	34265	34259	34334
20°	34218	34167	34250
25°	33985	34158	34185
30°	33827	34002	34135
35°	33608	33792	34110
40°	33318	33634	34131
45°	32837	33333	34060
50°	32342	33002	34092
55°	31724	32546	33717
60°	30661	31749	26249
65°	29009	30696	17666
70°	26831	16295	17145
75°	23403	15485	16373
80°	17998	14205	15004
85°	9084	14357	14701



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2069.6	3.4
10°-20°	5925.9	9.7
20°-30°	9016.8	14.7
30°-40°	10963.1	17.9
40°-50°	11527.2	18.8
50°-60°	10525.7	17.2
60°-70°	6747.5	11.0
70°-80°	3187.4	5.2
80°-90°	883.8	1.4
90°-100°	234.1	0.4
100°-110°	64.1	0.1
110°-120°	17.8	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°	17012.3	27.8
0°-40°	27975.4	45.7
0°-60°	50028.3	81.8
0°-90°	60847.1	99.5
90°-120°	315.9	0.5
90°-150°	315.9	0.5
90°-180°	316.0	0.5
0°-180°	61163.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21785	21785	21785	21785	21785	
5°	21582	21666	21777	21896	21941	###
15°	20928	21085	20925	20955	20970	5908
25°	19476	19506	19575	19606	19590	8987
35°	17408	17305	17503	17717	17668	10879
45°	14682	14656	14904	15256	15229	11348
55°	11506	11418	11804	12198	12228	10261
65°	7752	7752	8203	4706	4721	7685
75°	3830	3903	2534	2668	2680	4037
85°	501	635	791	856	810	740
90°	0	214	352	416	409	22
95°	11	111	252	340	340	6
105°	19	42	61	61	58	19
115°	19	27	38	27	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-L735-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	21784.7	21784.7	21784.7	21784.7	21784.7
2.5°	21631.7	21704.6	21784.7	21887.9	21944.9
5°	21581.9	21666.1	21777.0	21895.6	21941.3
7.5°	21475.1	21593.3	21700.5	21784.7	21811.4
10°	21341.1	21482.8	21543.9	21536.2	21517.2
12.5°	21161.4	21310.8	21291.8	21203.5	21218.9
15°	20928.3	21085.0	20924.7	20955.0	20970.4
17.5°	20653.1	20806.1	20618.7	20679.9	20683.9
20°	20332.2	20446.7	20301.5	20351.2	20351.2
22.5°	19946.1	20026.3	19965.1	19999.5	20007.2
25°	19475.9	19506.2	19575.0	19605.8	19590.4
27.5°	19025.0	18986.6	19120.5	19193.0	19154.5
30°	18524.0	18462.9	18619.5	18738.1	18692.4
32.5°	17950.5	17912.5	18092.2	18233.4	18206.7
35°	17407.8	17304.6	17503.3	17717.4	17667.7
37.5°	16765.6	16704.5	16929.9	17155.7	17129.0
40°	16138.7	16035.5	16291.7	16559.2	16532.5
42.5°	15466.1	15343.5	15622.7	15944.0	15913.3
45°	14682.2	14655.5	14903.9	15255.6	15228.9
47.5°	13986.9	13852.9	14200.6	14540.9	14571.7
50°	13145.5	13096.1	13413.4	13826.2	13856.6
52.5°	12324.0	12289.6	12621.8	13038.7	13092.1
55°	11505.7	11417.8	11803.9	12197.7	12228.5
57.5°	10630.7	10538.8	10932.6	11360.8	11425.5
60°	9693.8	9606.0	10037.8	10435.6	8298.8
62.5°	8757.3	8696.2	9147.5	6479.3	5221.9
65°	7752.1	7752.1	8202.9	4705.5	4720.8
67.5°	6811.9	6750.8	6116.3	4227.5	4227.5
70°	5802.6	5825.7	3524.1	3704.2	3707.9
72.5°	4789.6	4873.8	3043.0	3187.8	3195.5
75°	3830.1	3902.9	2534.2	2668.2	2679.5
77.5°	2813.5	2163.5	2037.3	2140.9	2144.5
80°	1976.2	1364.7	1559.7	1658.9	1647.5
82.5°	1154.2	955.5	1142.9	1215.7	1211.7
85°	500.6	634.6	791.2	856.3	810.2
87.5°	160.3	393.8	492.9	531.4	527.3
90°	0.0	214.1	351.7	416.4	409.2
92.5°	0.0	168.0	306.0	382.4	386.1
95°	11.3	110.9	252.5	340.4	340.4
97.5°	7.7	80.1	179.7	267.5	275.2
100°	7.7	64.8	118.6	191.0	195.1
102.5°	19.0	53.4	72.4	122.2	126.3
105°	19.0	42.1	61.1	61.1	57.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	23.1	30.8	42.1	30.8	3.6
115°	19.0	26.7	38.0	26.7	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°	19.0	38.0	53.4	34.4	11.3
110°	23.1	34.4	45.7	30.8	3.6



(END OF REPORT)