

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: P830652

Luminaire Tested: **OHBL-60HE-NL-UNV-L935-CD**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P830652
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-L935-CD
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

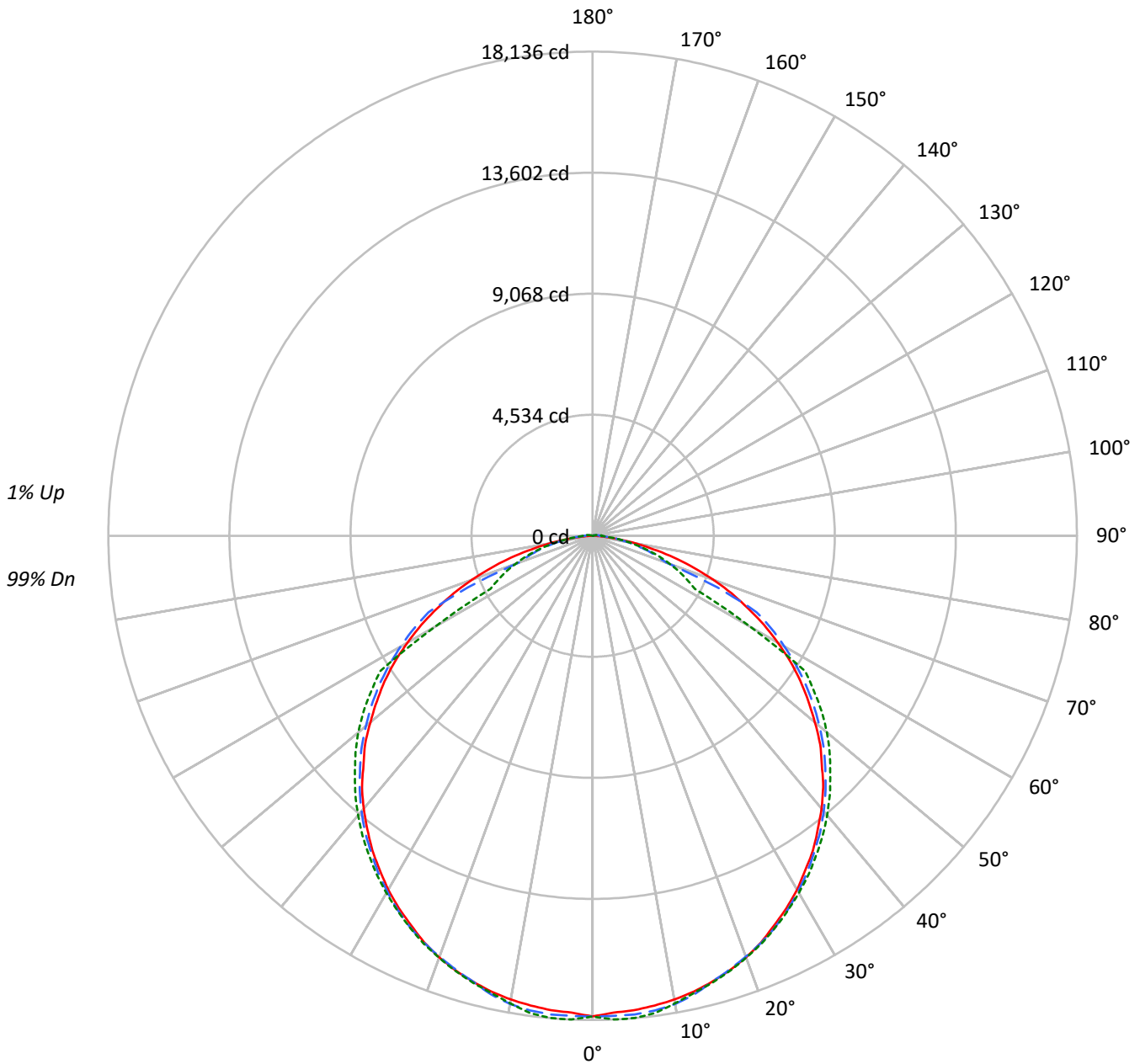
Lumens per Lamp: N/A
Luminaire Lumens: 50548.0 lumens
Efficiency: N/A
Efficacy: 149.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.8' x L: 3.78' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P830652

CATALOG NUMBER: OHBL-60HE-NL-UNV-L935-CD

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°	28473	28473	28473
5°	28315	28571	28787
10°	28323	28592	28557
15°	28318	28314	28375
20°	28280	28237	28306
25°	28087	28230	28252
30°	27956	28100	28211
35°	27775	27928	28190
40°	27535	27796	28207
45°	27138	27548	28149
50°	26729	27274	28175
55°	26218	26897	27865
60°	25340	26239	21693
65°	23974	25369	14600
70°	22174	13467	14170
75°	19342	12798	13531
80°	14874	11739	12401
85°	7507	11865	12150



TEST NUMBER: P830652

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1710.4	3.4
10°-20°	4897.5	9.7
20°-30°	7451.9	14.7
30°-40°	9060.4	17.9
40°-50°	9526.6	18.8
50°-60°	8698.9	17.2
60°-70°	5576.5	11.0
70°-80°	2634.2	5.2
80°-90°	730.4	1.4
90°-100°	193.5	0.4
100°-110°	53.0	0.1
110°-120°	14.7	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°	14059.8	27.8
0°-40°	23120.2	45.7
0°-60°	41345.8	81.8
0°-90°	50286.9	99.5
90°-120°	261.1	0.5
90°-150°	261.1	0.5
90°-180°	261.0	0.5
0°-180°	50548.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18004	18004	18004	18004	18004	
5°	17836	17906	17998	18096	18133	###
15°	17296	17426	17293	17318	17331	4883
25°	16096	16121	16178	16203	16190	7427
35°	14387	14301	14466	14642	14601	8991
45°	12134	12112	12317	12608	12586	9379
55°	9509	9436	9755	10081	10106	8480
65°	6407	6407	6779	3889	3902	6352
75°	3165	3226	2094	2205	2214	3337
85°	414	524	654	708	670	612
90°	0	177	291	344	338	18
95°	9	92	209	281	281	5
105°	16	35	50	50	48	16
115°	16	22	31	22	3	11
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



TEST NUMBER: P830652

CATALOG NUMBER: OHBL-60HE-NL-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	18003.9	18003.9	18003.9	18003.9	18003.9
2.5°	17877.5	17937.7	18003.9	18089.2	18136.3
5°	17836.3	17905.9	17997.5	18095.5	18133.3
7.5°	17748.0	17845.7	17934.3	18003.9	18026.0
10°	17637.3	17754.4	17804.9	17798.5	17782.8
12.5°	17488.8	17612.2	17596.5	17523.6	17536.3
15°	17296.2	17425.6	17293.2	17318.2	17331.0
17.5°	17068.7	17195.2	17040.3	17090.8	17094.2
20°	16803.5	16898.2	16778.1	16819.2	16819.2
22.5°	16484.4	16550.6	16500.1	16528.6	16534.9
25°	16095.8	16120.9	16177.7	16203.1	16190.4
27.5°	15723.2	15691.4	15802.1	15862.0	15830.2
30°	15309.1	15258.6	15388.0	15486.0	15448.3
32.5°	14835.2	14803.7	14952.2	15069.0	15046.9
35°	14386.7	14301.4	14465.6	14642.5	14601.4
37.5°	13855.9	13805.4	13991.7	14178.3	14156.2
40°	13337.8	13252.5	13464.2	13685.3	13663.2
42.5°	12781.9	12680.6	12911.3	13176.9	13151.5
45°	12134.0	12112.0	12317.3	12608.0	12585.9
47.5°	11559.4	11448.7	11736.0	12017.3	12042.7
50°	10864.1	10823.3	11085.5	11426.6	11451.7
52.5°	10185.1	10156.7	10431.3	10775.8	10819.9
55°	9508.8	9436.3	9755.3	10080.8	10106.2
57.5°	8785.7	8709.8	9035.2	9389.1	9442.6
60°	8011.4	7938.9	8295.7	8624.5	8658.5
62.5°	7237.5	7187.0	7559.9	7834.8	7815.6
65°	6406.7	6406.7	6779.3	7088.8	7011.5
67.5°	5629.7	5579.2	5954.8	6393.8	6393.8
70°	4795.6	4814.6	5121.5	5561.4	5564.4
72.5°	3958.4	4028.0	4514.8	5034.6	5040.9
75°	3165.4	3225.6	3794.4	4320.1	4314.5
77.5°	2325.2	1788.0	1683.7	1769.3	1772.3
80°	1633.2	1127.8	1289.0	1371.0	1361.6
82.5°	953.9	789.7	944.5	1004.7	1001.4
85°	413.7	524.4	653.9	707.7	669.6
87.5°	132.4	325.4	407.4	439.2	435.8
90°	0.0	176.9	290.6	344.2	338.1
92.5°	0.0	138.8	252.9	316.1	319.1
95°	9.4	91.6	208.7	281.3	281.3
97.5°	6.4	66.2	148.5	221.1	227.4
100°	6.4	53.5	98.0	157.9	161.2
102.5°	15.7	44.1	59.9	101.0	104.4
105°	15.7	34.8	50.5	50.5	47.5



TEST NUMBER: P830652

CATALOG NUMBER: OHBL-60HE-NL-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	19.1	25.4	34.8	25.4	3.0
115°	15.7	22.1	31.4	22.1	3.0
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°	15.7	31.4	44.1	28.4	9.4
110°	19.1	28.4	37.8	25.4	3.0



(END OF REPORT)