

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: P830628

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830628
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-60HE-MFL-UNV-L935-CD
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

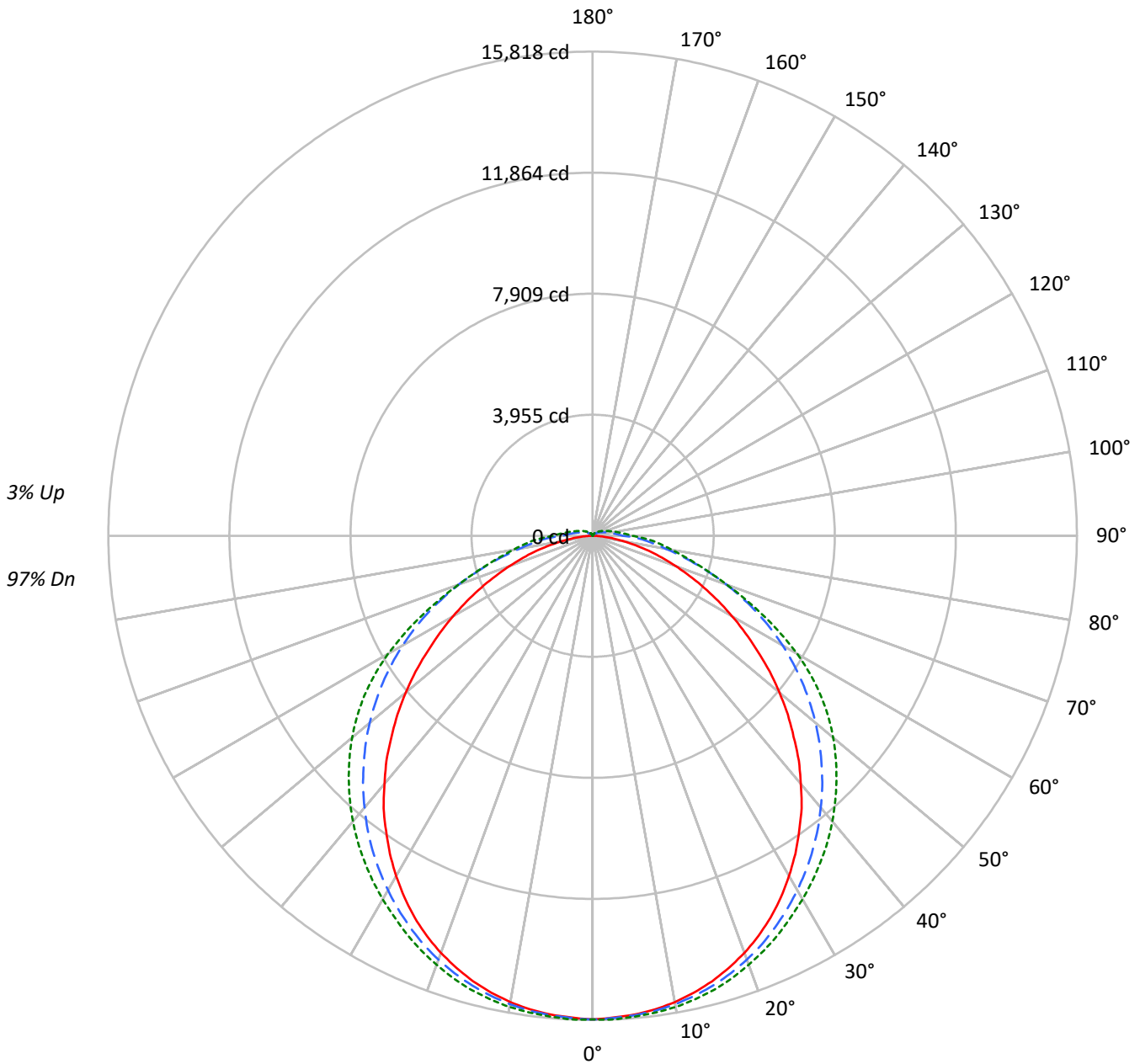
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47294.0 lumens
Efficiency: N/A
Efficacy: 139.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
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_{in}): 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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97																
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	82	82	82	80																
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	68	68	68	66																
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	58	58	58	56																
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	50	50	50	47																
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	43	43	43	41																
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	38	38	38	36																
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	34	34	34	32																
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	30	30	30	28																
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	27	27	27	25																
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	25	25	25	23																

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24991	24991	24991
5°	24831	24755	24830
10°	24657	24536	24700
15°	24382	24275	24530
20°	24016	23956	24280
25°	23528	23557	24027
30°	22852	23125	23772
35°	22033	22665	23553
40°	21050	22134	23337
45°	19891	21556	23061
50°	18623	20973	22726
55°	17064	20258	22160
60°	15467	19416	21031
65°	13725	18341	19174
70°	11836	16970	17164
75°	9923	15387	15805
80°	7523	14242	15680
85°	4760	14804	17523



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1497.4	3.2
10°-20°	4295.7	9.1
20°-30°	6496.5	13.7
30°-40°	7799.1	16.5
40°-50°	8055.3	17.0
50°-60°	7247.2	15.3
60°-70°	5459.2	11.5
70°-80°	3296.5	7.0
80°-90°	1612.2	3.4
90°-100°	678.6	1.4
100°-110°	387.4	0.8
110°-120°	227.4	0.5
120°-130°	128.6	0.3
130°-140°	67.7	0.1
140°-150°	32.9	0.1
150°-160°	12.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	12289.6	26.0
0°-40°	20088.8	42.5
0°-60°	35391.2	74.8
0°-90°	45759.1	96.8
90°-120°	1293.4	2.7
90°-150°	1522.6	3.2
90°-180°	1535.0	3.2
0°-180°	47294.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15802	15802	15802	15802	15802	
5°	15702	15744	15725	15787	15768	###
15°	15068	15141	15211	15338	15354	4248
25°	13760	13911	14108	14329	14364	6329
35°	11765	12039	12534	12913	12991	7355
45°	9286	9754	10570	11146	11266	7169
55°	6578	7259	8361	8992	9100	5898
65°	4014	4834	5917	6211	6142	3988
75°	1891	2715	3427	3516	3481	2018
85°	394	1040	1717	1953	1988	456
90°	0	406	982	1238	1288	25
95°	19	275	735	936	971	16
105°	27	159	425	557	580	27
115°	31	89	263	352	367	32
125°	31	42	159	228	240	28
135°	27	35	81	139	155	21
145°	39	35	39	70	81	23
155°	39	42	39	35	39	12
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	15802.4	15802.4	15802.4	15802.4	15802.4
2.5°	15756.0	15794.7	15771.5	15821.8	15817.9
5°	15701.9	15744.4	15725.1	15787.0	15767.6
7.5°	15609.1	15655.5	15651.6	15721.2	15713.5
10°	15473.7	15524.0	15539.4	15632.3	15632.3
12.5°	15288.1	15353.8	15392.5	15504.6	15508.5
15°	15067.6	15141.1	15210.7	15338.3	15353.8
17.5°	14800.8	14893.6	14990.3	15137.2	15156.6
20°	14499.1	14603.5	14735.0	14889.7	14912.9
22.5°	14151.0	14274.8	14445.0	14626.7	14653.8
25°	13760.4	13911.2	14108.5	14328.9	14363.7
27.5°	13315.7	13489.7	13756.5	14004.1	14035.0
30°	12832.2	13037.2	13369.8	13663.7	13714.0
32.5°	12321.7	12557.6	12967.6	13296.3	13365.9
35°	11764.8	12039.4	12534.4	12913.4	12990.8
37.5°	11215.6	11517.3	12078.1	12511.2	12604.0
40°	10573.6	10948.8	11590.8	12070.3	12182.5
42.5°	9970.3	10376.4	11103.5	11625.6	11733.9
45°	9285.8	9753.7	10569.8	11146.0	11265.9
47.5°	8643.8	9150.4	10055.4	10651.0	10774.7
50°	7967.0	8523.9	9506.2	10128.9	10256.5
52.5°	7290.2	7889.6	8937.7	9583.6	9703.5
55°	6578.5	7259.2	8361.4	8991.8	9100.1
57.5°	5917.2	6636.6	7769.7	8369.2	8434.9
60°	5263.6	6010.0	7166.4	7692.4	7715.6
62.5°	4625.5	5410.6	6547.6	6965.3	6934.4
65°	4014.4	4834.3	5917.2	6211.1	6141.5
67.5°	3426.6	4273.5	5271.3	5460.8	5368.0
70°	2869.7	3728.2	4644.8	4741.5	4656.4
72.5°	2378.5	3210.0	4010.6	4091.8	4029.9
75°	1891.2	2715.0	3426.6	3515.5	3480.7
77.5°	1434.8	2235.4	2889.0	3005.0	3012.7
80°	1032.6	1798.4	2421.0	2602.8	2626.0
82.5°	680.7	1396.2	2030.4	2262.5	2297.3
85°	394.5	1040.3	1717.2	1953.1	1987.9
87.5°	170.2	750.3	1380.7	1593.4	1635.9
90°	0.0	406.1	982.3	1237.6	1287.9
92.5°	11.6	336.5	843.1	1075.2	1117.7
95°	19.3	274.6	734.8	935.9	970.7
97.5°	23.2	232.0	638.1	816.0	850.8
100°	23.2	201.1	553.0	715.5	746.4
102.5°	23.2	177.9	483.4	626.5	653.6
105°	27.1	158.6	425.4	556.9	580.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	30.9	104.4	293.9	394.5	410.0
115°	30.9	89.0	263.0	351.9	367.4
117.5°	34.8	77.3	232.0	317.1	328.7
120°	34.8	65.7	205.0	282.3	297.8
122.5°	34.8	54.1	181.8	255.3	266.9
125°	30.9	42.5	158.6	228.2	239.8
127.5°	27.1	34.8	135.4	205.0	216.6
130°	27.1	30.9	116.0	181.8	193.4
132.5°	27.1	34.8	96.7	158.6	174.0
135°	27.1	34.8	81.2	139.2	154.7
137.5°	27.1	34.8	65.7	119.9	135.4
140°	30.9	34.8	54.1	100.6	116.0
142.5°	34.8	34.8	42.5	85.1	96.7
145°	38.7	34.8	38.7	69.6	81.2
147.5°	38.7	38.7	38.7	54.1	65.7
150°	38.7	42.5	38.7	42.5	54.1
152.5°	38.7	42.5	38.7	34.8	42.5
155°	38.7	42.5	38.7	34.8	38.7
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°	27.1	139.2	375.1	495.0	514.4
110°	27.1	123.8	332.6	440.9	460.2



(END OF REPORT)