

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: P830192

Luminaire Tested: **OHBL-30HE-MFL-UNV-L835-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830192
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-30HE-MFL-UNV-L835-CD
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

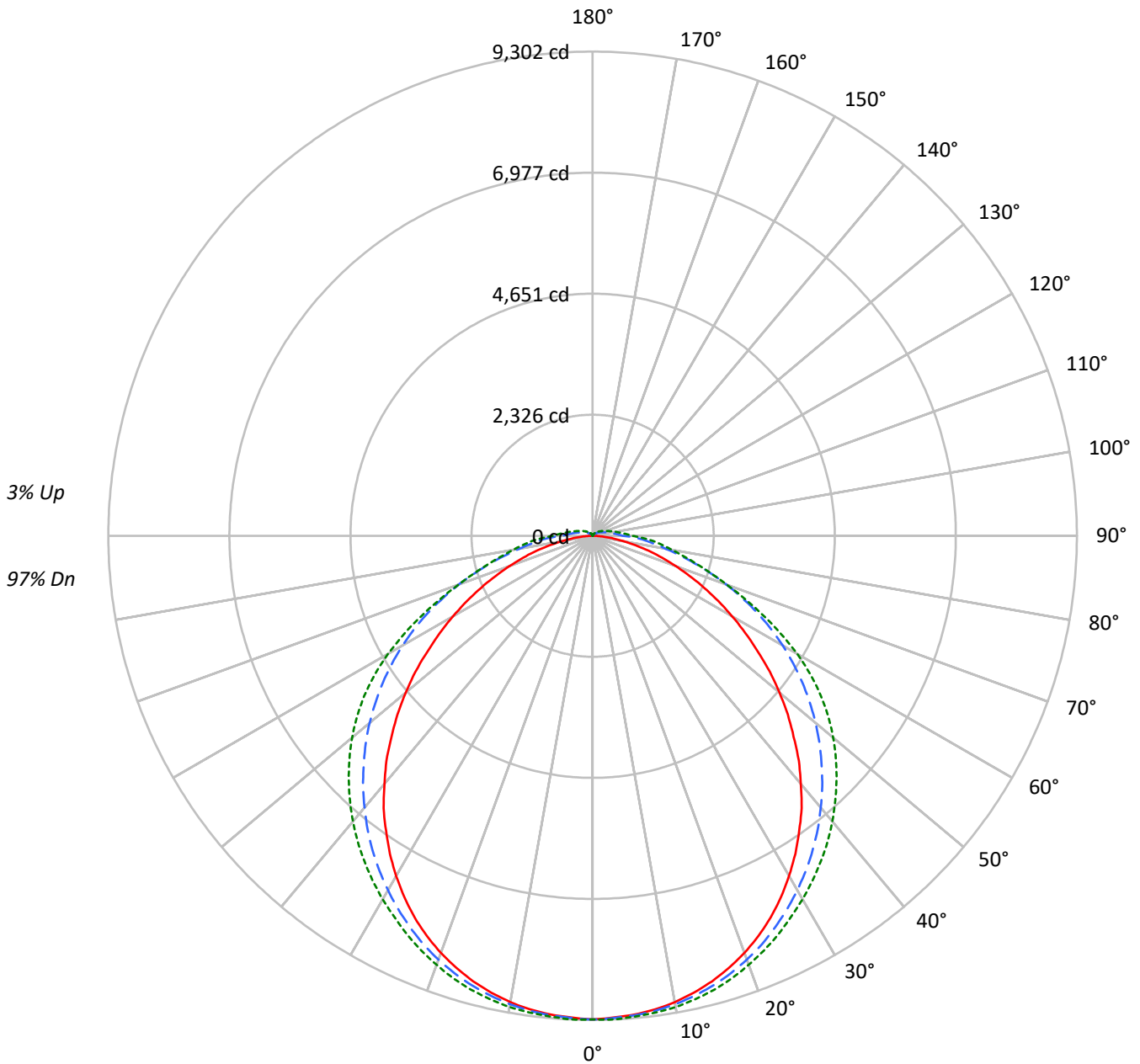
Lumens per Lamp: N/A
Luminaire Lumens: 27813.0 lumens
Efficiency: N/A
Efficacy: 169.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 163.8
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	97																	
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	82	82	80																	
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	68	68	66																	
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	58	58	56																	
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	50	50	47																	
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	43	43	41																	
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	38	38	36																	
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	34	34	32																	
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	30	30	28																	
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	27	27	25																	
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	25	25	23																	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14697	14697	14697
5°	14603	14558	14602
10°	14501	14429	14526
15°	14339	14276	14426
20°	14124	14088	14279
25°	13836	13854	14130
30°	13439	13599	13980
35°	12957	13329	13851
40°	12379	13017	13724
45°	11698	12677	13562
50°	10952	12334	13365
55°	10035	11913	13032
60°	9096	11419	12368
65°	8071	10786	11276
70°	6960	9980	10094
75°	5836	9049	9295
80°	4425	8376	9221
85°	2799	8705	10304



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	880.6	3.2
10°-20°	2526.3	9.1
20°-30°	3820.5	13.7
30°-40°	4586.6	16.5
40°-50°	4737.2	17.0
50°-60°	4262.0	15.3
60°-70°	3210.5	11.5
70°-80°	1938.6	7.0
80°-90°	948.1	3.4
90°-100°	399.1	1.4
100°-110°	227.8	0.8
110°-120°	133.7	0.5
120°-130°	75.6	0.3
130°-140°	39.8	0.1
140°-150°	19.4	0.1
150°-160°	7.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7227.4	26.0
0°-40°	11813.9	42.5
0°-60°	20813.1	74.8
0°-90°	26910.4	96.8
90°-120°	760.7	2.7
90°-150°	895.5	3.2
90°-180°	903.0	3.2
0°-180°	27813.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9293	9293	9293	9293	9293	
5°	9234	9259	9248	9284	9273	877
15°	8861	8904	8945	9020	9029	2498
25°	8092	8181	8297	8427	8447	3722
35°	6919	7080	7371	7594	7640	4325
45°	5461	5736	6216	6555	6625	4216
55°	3869	4269	4917	5288	5352	3469
65°	2361	2843	3480	3653	3612	2345
75°	1112	1597	2015	2067	2047	1187
85°	232	612	1010	1149	1169	268
90°	0	239	578	728	757	15
95°	11	162	432	550	571	10
105°	16	93	250	328	341	16
115°	18	52	155	207	216	19
125°	18	25	93	134	141	16
135°	16	20	48	82	91	13
145°	23	20	23	41	48	14
155°	23	25	23	20	23	7
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P830192

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9293.2	9293.2	9293.2	9293.2	9293.2
2.5°	9265.9	9288.7	9275.0	9304.6	9302.3
5°	9234.1	9259.1	9247.7	9284.1	9272.7
7.5°	9179.5	9206.8	9204.5	9245.4	9240.9
10°	9099.9	9129.5	9138.5	9193.1	9193.1
12.5°	8990.7	9029.4	9052.1	9118.1	9120.4
15°	8861.1	8904.3	8945.2	9020.3	9029.4
17.5°	8704.1	8758.7	8815.6	8902.0	8913.4
20°	8526.7	8588.1	8665.5	8756.4	8770.1
22.5°	8322.0	8394.8	8494.9	8601.8	8617.7
25°	8092.3	8181.0	8297.0	8426.7	8447.1
27.5°	7830.8	7933.1	8090.0	8235.6	8253.8
30°	7546.5	7667.0	7862.6	8035.5	8065.0
32.5°	7246.2	7385.0	7626.1	7819.4	7860.3
35°	6918.7	7080.2	7371.3	7594.2	7639.7
37.5°	6595.8	6773.2	7103.0	7357.7	7412.3
40°	6218.2	6438.8	6816.4	7098.4	7164.4
42.5°	5863.4	6102.2	6529.8	6836.9	6900.5
45°	5460.8	5736.0	6215.9	6554.8	6625.3
47.5°	5083.3	5381.2	5913.4	6263.7	6336.5
50°	4685.3	5012.8	5590.5	5956.7	6031.7
52.5°	4287.2	4639.8	5256.1	5636.0	5706.5
55°	3868.8	4269.1	4917.3	5288.0	5351.7
57.5°	3479.8	3902.9	4569.3	4921.8	4960.5
60°	3095.5	3534.4	4214.5	4523.8	4537.4
62.5°	2720.2	3181.9	3850.6	4096.2	4078.0
65°	2360.8	2843.0	3479.8	3652.7	3611.8
67.5°	2015.1	2513.2	3100.0	3211.5	3156.9
70°	1687.6	2192.5	2731.6	2788.4	2738.4
72.5°	1398.8	1887.8	2358.6	2406.3	2369.9
75°	1112.2	1596.6	2015.1	2067.4	2047.0
77.5°	843.8	1314.6	1699.0	1767.2	1771.8
80°	607.3	1057.6	1423.8	1530.7	1544.3
82.5°	400.3	821.1	1194.1	1330.5	1351.0
85°	232.0	611.8	1009.8	1148.6	1169.0
87.5°	100.1	441.2	812.0	937.1	962.1
90°	0.0	238.8	577.7	727.8	757.4
92.5°	6.8	197.9	495.8	632.3	657.3
95°	11.4	161.5	432.1	550.4	570.9
97.5°	13.6	136.5	375.3	479.9	500.4
100°	13.6	118.3	325.2	420.8	439.0
102.5°	13.6	104.6	284.3	368.5	384.4
105°	15.9	93.3	250.2	327.5	341.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	18.2	61.4	172.9	232.0	241.1
115°	18.2	52.3	154.7	207.0	216.1
117.5°	20.5	45.5	136.5	186.5	193.3
120°	20.5	38.7	120.5	166.0	175.1
122.5°	20.5	31.8	106.9	150.1	156.9
125°	18.2	25.0	93.3	134.2	141.0
127.5°	15.9	20.5	79.6	120.5	127.4
130°	15.9	18.2	68.2	106.9	113.7
132.5°	15.9	20.5	56.9	93.3	102.3
135°	15.9	20.5	47.8	81.9	91.0
137.5°	15.9	20.5	38.7	70.5	79.6
140°	18.2	20.5	31.8	59.1	68.2
142.5°	20.5	20.5	25.0	50.0	56.9
145°	22.7	20.5	22.7	40.9	47.8
147.5°	22.7	22.7	22.7	31.8	38.7
150°	22.7	25.0	22.7	25.0	31.8
152.5°	22.7	25.0	22.7	20.5	25.0
155°	22.7	25.0	22.7	20.5	22.7
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°	15.9	81.9	220.6	291.1	302.5
110°	15.9	72.8	195.6	259.3	270.7



(END OF REPORT)