

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: P830168

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830168
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30HE-A-UNV-L835-CD
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

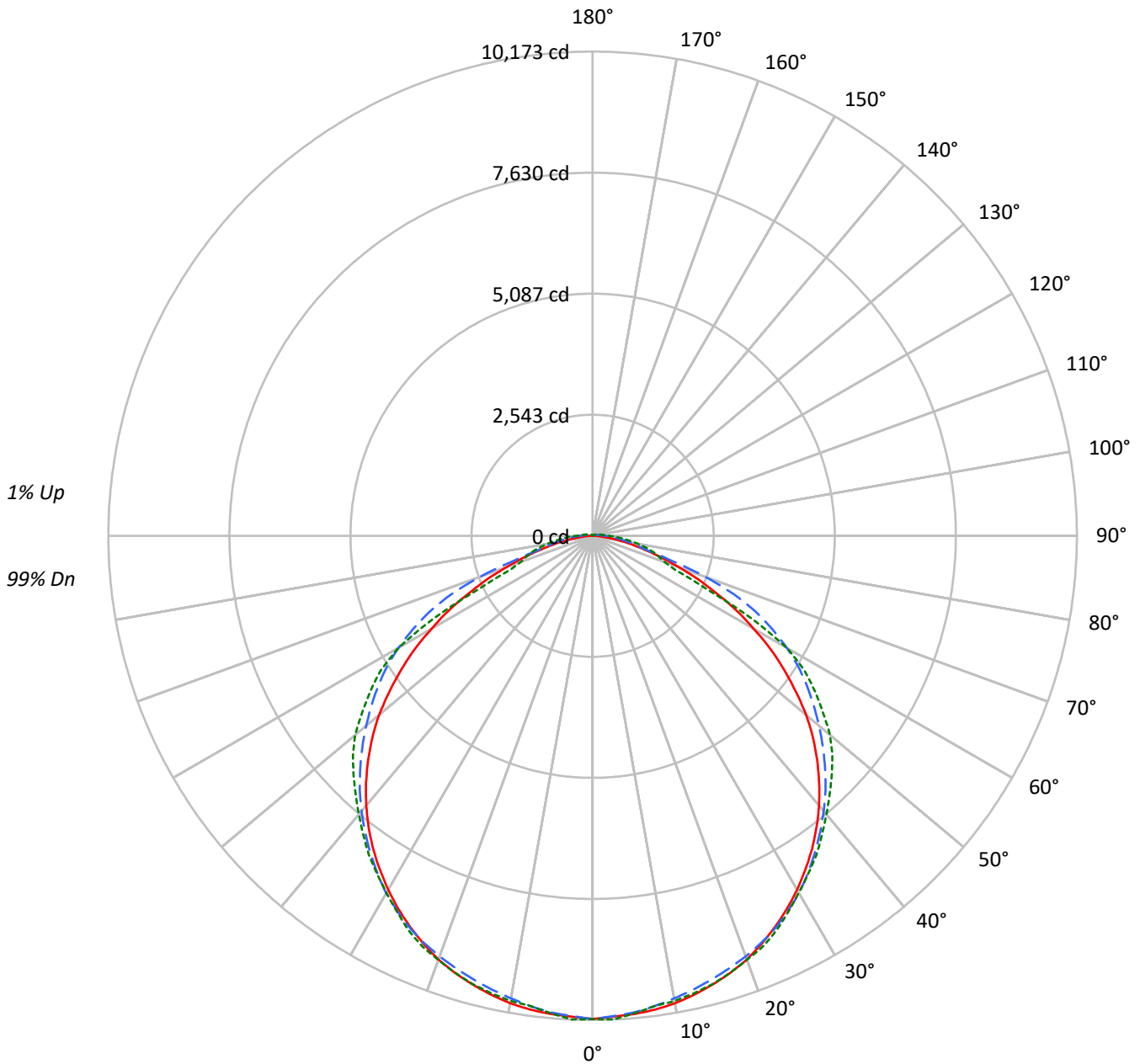
Lumens per Lamp: N/A
Luminaire Lumens: 28696.0 lumens
Efficiency: N/A
Efficacy: 175.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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	119	119	119	119	116	116	116	116	110	110	110	106	106	106	101	101	101				99																
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86				83																
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72				70																
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61				59																
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53				51																
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46				44																
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40				38																
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36				34																
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32				30																
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29				27																
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26				24																

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16056	16056	16056
5°	15951	15823	15856
10°	15893	15583	15680
15°	15792	15404	15575
20°	15691	15291	15437
25°	15502	15177	15301
30°	15296	14998	15011
35°	15050	14714	14851
40°	14730	14420	14634
45°	14286	14080	14538
50°	13685	13693	14423
55°	12730	13312	13884
60°	11479	12755	12836
65°	9847	11721	8135
70°	7932	9150	5898
75°	5946	5432	5986
80°	4139	4517	5715
85°	2355	4138	5358



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	957.3	3.3
10°-20°	2745.1	9.6
20°-30°	4192.6	14.6
30°-40°	5087.1	17.7
40°-50°	5331.8	18.6
50°-60°	4831.4	16.8
60°-70°	3239.2	11.3
70°-80°	1454.6	5.1
80°-90°	527.8	1.8
90°-100°	158.9	0.6
100°-110°	75.0	0.3
110°-120°	37.6	0.1
120°-130°	20.7	0.1
130°-140°	14.3	0.0
140°-150°	9.6	0.0
150°-160°	7.1	0.0
160°-170°	4.6	0.0
170°-180°	1.5	0.0
0°-30°	7895.0	27.5
0°-40°	12982.1	45.2
0°-60°	23145.2	80.7
0°-90°	28366.9	98.9
90°-120°	271.4	0.9
90°-150°	316.0	1.1
90°-180°	329.0	1.1
0°-180°	28696.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10153	10153	10153	10153	10153	
5°	10087	10122	10051	10082	10069	959
15°	9759	9721	9652	9737	9749	2755
25°	9066	9027	9090	9174	9147	4179
35°	8036	8055	8137	8224	8191	5023
45°	6669	6778	6904	7080	7102	5138
55°	4908	5144	5495	5715	5702	4381
65°	2880	3331	3782	3191	2606	2870
75°	1133	1644	1210	1238	1318	1239
85°	195	374	480	580	608	238
90°	2	125	248	311	326	12
95°	2	78	170	207	213	2
105°	6	34	84	101	106	7
115°	12	18	43	54	57	11
125°	10	12	26	31	32	10
135°	13	15	16	24	25	10
145°	13	15	15	16	18	9
155°	15	16	16	16	15	7
165°	16	16	16	16	16	5
175°	16	16	15	13	13	2
180°	15	15	15	15	15	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10152.7	10152.7	10152.7	10152.7	10152.7
2.5°	10111.6	10154.1	10101.3	10158.5	10173.2
5°	10086.6	10121.8	10051.4	10082.2	10069.0
7.5°	10041.1	10052.8	9969.2	9994.1	9967.7
10°	9973.6	9967.7	9869.3	9917.8	9923.7
12.5°	9873.7	9856.1	9768.1	9841.5	9842.9
15°	9759.2	9721.1	9652.1	9737.2	9749.0
17.5°	9627.1	9577.2	9531.7	9641.8	9624.2
20°	9473.0	9414.3	9405.5	9525.8	9481.8
22.5°	9282.1	9236.6	9257.2	9371.7	9343.8
25°	9066.4	9026.7	9089.8	9173.5	9147.1
27.5°	8838.8	8815.3	8887.3	8951.8	8900.5
30°	8589.3	8576.0	8671.5	8724.3	8659.7
32.5°	8317.7	8322.1	8413.1	8485.0	8424.8
35°	8035.8	8054.9	8137.1	8223.7	8191.4
37.5°	7726.1	7768.6	7850.8	7949.2	7915.4
40°	7398.7	7460.4	7551.4	7670.3	7639.5
42.5°	7044.9	7122.7	7240.2	7372.3	7369.3
45°	6669.1	6777.7	6904.0	7080.2	7102.2
47.5°	6278.6	6400.5	6560.5	6795.4	6829.1
50°	5854.4	6007.0	6206.7	6488.5	6509.1
52.5°	5381.7	5590.1	5854.4	6124.5	6099.5
55°	4907.5	5143.9	5494.7	5714.9	5701.7
57.5°	4434.8	4700.5	5126.2	5283.3	5281.9
60°	3906.3	4242.5	4707.9	4826.8	4709.3
62.5°	3417.5	3778.6	4261.6	4175.0	3772.8
65°	2880.2	3330.9	3781.6	3191.4	2605.7
67.5°	2403.1	2872.9	3212.0	2185.8	1871.7
70°	1923.1	2441.3	2504.4	1622.1	1600.1
72.5°	1497.4	2049.3	1727.8	1388.7	1459.2
75°	1133.3	1644.2	1209.6	1237.5	1318.3
77.5°	826.5	1262.5	941.0	1084.8	1150.9
80°	568.1	894.0	767.8	911.6	957.1
82.5°	356.7	590.1	615.1	734.0	781.0
85°	195.2	374.3	480.0	579.9	607.8
87.5°	80.7	226.1	367.0	447.7	471.2
90°	1.5	124.8	248.1	311.2	325.9
92.5°	1.5	95.4	202.6	251.0	261.3
95°	1.5	77.8	170.3	207.0	212.9
97.5°	2.9	61.7	142.4	171.8	177.6
100°	4.4	51.4	118.9	143.9	148.3
102.5°	5.9	41.1	99.8	120.4	124.8
105°	5.9	33.8	83.7	101.3	105.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	10.3	20.6	49.9	63.1	66.1
115°	11.7	17.6	42.6	54.3	57.3
117.5°	11.7	14.7	36.7	45.5	48.4
120°	11.7	13.2	32.3	39.6	41.1
122.5°	11.7	11.7	27.9	35.2	36.7
125°	10.3	11.7	26.4	30.8	32.3
127.5°	11.7	11.7	23.5	27.9	29.4
130°	11.7	13.2	20.6	26.4	26.4
132.5°	13.2	14.7	19.1	25.0	25.0
135°	13.2	14.7	16.1	23.5	25.0
137.5°	14.7	14.7	14.7	22.0	23.5
140°	14.7	14.7	13.2	19.1	20.6
142.5°	13.2	14.7	13.2	17.6	19.1
145°	13.2	14.7	14.7	16.1	17.6
147.5°	14.7	14.7	14.7	14.7	16.1
150°	14.7	14.7	14.7	14.7	14.7
152.5°	14.7	14.7	14.7	14.7	14.7
155°	14.7	16.1	16.1	16.1	14.7
157.5°	14.7	16.1	16.1	16.1	16.1
160°	14.7	16.1	16.1	16.1	16.1
162.5°	16.1	16.1	16.1	16.1	16.1
165°	16.1	16.1	16.1	16.1	16.1
167.5°	16.1	17.6	16.1	16.1	16.1
170°	16.1	16.1	16.1	14.7	14.7
172.5°	16.1	16.1	16.1	14.7	14.7
175°	16.1	16.1	14.7	13.2	13.2
177.5°	17.6	16.1	14.7	13.2	11.7
180°	14.7	14.7	14.7	14.7	14.7



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	7.3	27.9	71.9	86.6	89.5
110°	8.8	23.5	60.2	73.4	76.3



(END OF REPORT)