

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: P830208

Luminaire Tested: **OHBL-30HE-N-UNV-L935-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830208
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30HE-N-UNV-L935-CD
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

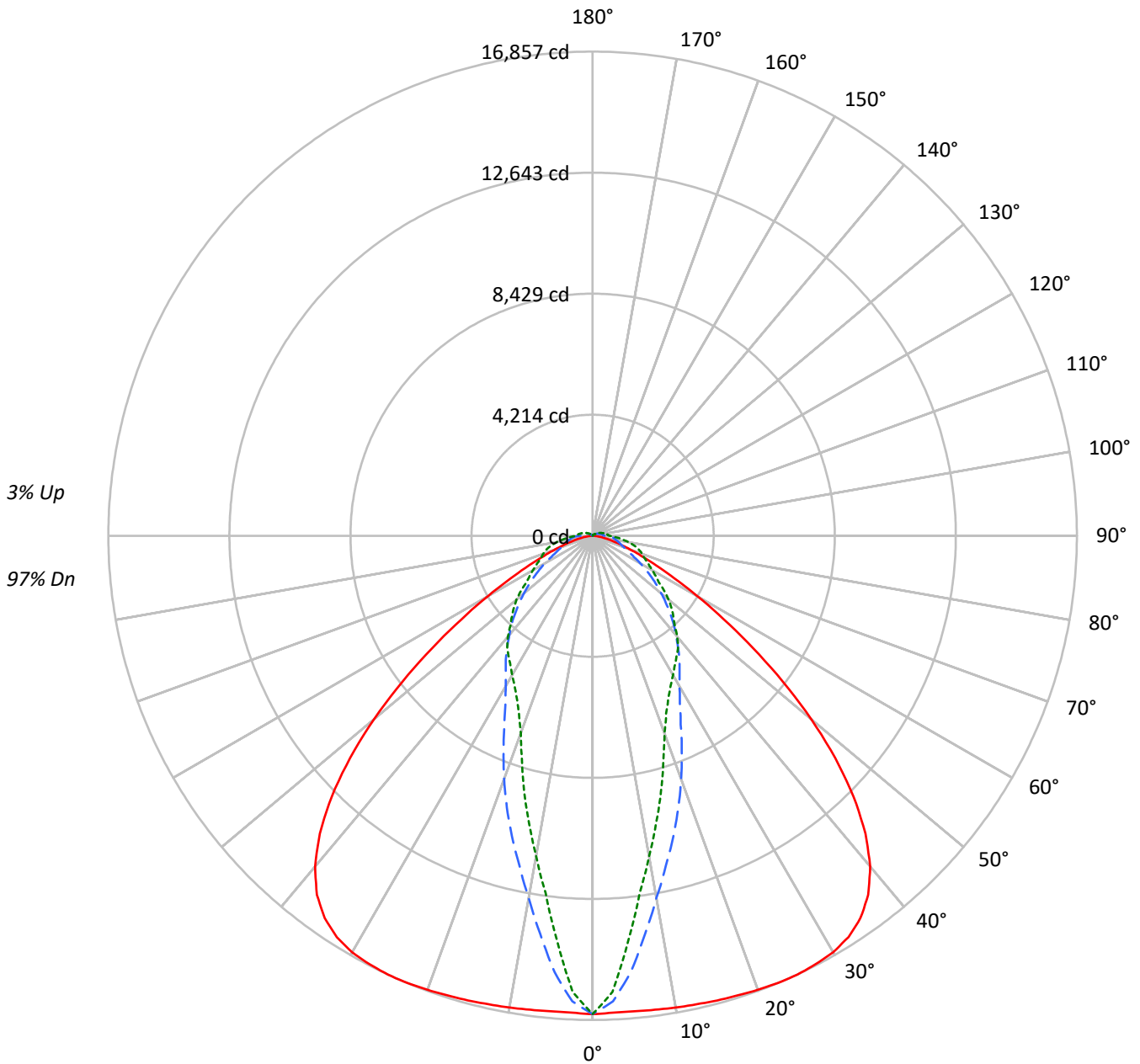
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24577.9 lumens
Efficiency: N/A
Efficacy: 150.0 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
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	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	85	85	85	82																	
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	71																	
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	62																	
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	54																	
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	48																	
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	43																	
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	39																	
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	35																	
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	32																	
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	30																	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	26336	26336	26336
5°	26283	23994	22313
10°	26579	20221	17903
15°	27098	17301	14704
20°	27859	14636	11901
25°	28823	12120	10435
30°	29819	10447	9701
35°	30440	9526	9250
40°	29919	8611	8783
45°	27524	7787	8140
50°	23222	6885	7649
55°	17645	6036	6816
60°	12365	5183	6536
65°	8318	4471	6413
70°	5680	4204	6748
75°	3942	4349	7240
80°	2714	4839	7505
85°	1587	6108	7977



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1401.8	5.7
10°-20°	3297.7	13.4
20°-30°	4133.6	16.8
30°-40°	4386.3	17.8
40°-50°	3965.9	16.1
50°-60°	2875.5	11.7
60°-70°	1804.5	7.3
70°-80°	1194.2	4.9
80°-90°	688.0	2.8
90°-100°	333.3	1.4
100°-110°	230.0	0.9
110°-120°	141.9	0.6
120°-130°	68.7	0.3
130°-140°	31.6	0.1
140°-150°	17.3	0.1
150°-160°	7.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	8833.2	35.9
0°-40°	13219.4	53.8
0°-60°	20060.8	81.6
0°-90°	23747.5	96.6
90°-120°	705.3	2.9
90°-150°	822.9	3.3
90°-180°	830.0	3.4
0°-180°	24577.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16653	16653	16653	16653	16653	
5°	16620	16193	15242	14535	14169	###
15°	16746	13650	10841	9641	9204	4749
25°	16857	10554	7259	6443	6238	7788
35°	16254	7016	5268	5104	5102	10104
45°	12849	4444	3818	3910	3977	9788
55°	6802	2755	2492	2702	2799	6146
65°	2433	1598	1442	1848	2054	2532
75°	751	861	968	1504	1594	837
85°	132	357	708	986	905	158
90°	0	149	410	578	583	8
95°	6	105	361	491	514	6
105°	13	70	263	349	358	13
115°	17	49	178	222	227	17
125°	19	25	90	114	112	17
135°	16	19	40	62	62	12
145°	19	21	24	36	35	11
155°	19	24	25	27	24	6
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°	16652.9	16652.9	16652.9	16652.9	16652.9
2.5°	16618.0	16522.9	16226.6	16045.9	15893.7
5°	16619.6	16193.3	15242.3	14535.4	14169.3
7.5°	16643.4	15695.6	13982.3	12950.5	12547.9
10°	16679.8	15079.1	12806.3	11706.3	11330.7
12.5°	16706.8	14384.9	11771.3	10641.2	10229.2
15°	16746.4	13649.5	10841.0	9641.2	9203.7
17.5°	16782.9	12956.8	9921.7	8668.0	8181.4
20°	16819.3	12210.3	9002.4	7710.7	7309.7
22.5°	16854.2	11422.6	8105.4	6967.4	6693.2
25°	16857.4	10554.1	7259.0	6442.8	6238.3
27.5°	16816.2	9653.8	6572.7	6003.7	5876.9
30°	16744.8	8780.5	6040.2	5686.7	5596.4
32.5°	16567.3	7889.8	5628.1	5380.9	5328.5
35°	16253.5	7016.5	5268.3	5103.5	5101.9
37.5°	15759.0	6241.5	4878.4	4849.9	4884.8
40°	15028.3	5563.1	4509.1	4585.2	4585.2
42.5°	14053.6	4973.5	4174.7	4252.4	4231.8
45°	12849.1	4444.2	3818.1	3910.0	3976.6
47.5°	11452.7	3978.2	3453.6	3631.1	3723.0
50°	9934.4	3534.4	3120.7	3347.4	3452.0
52.5°	8343.1	3123.9	2795.8	3055.8	3139.8
55°	6802.5	2754.6	2491.5	2702.3	2799.0
57.5°	5407.8	2402.8	2193.5	2393.3	2593.0
60°	4208.0	2100.0	1913.0	2198.3	2398.0
62.5°	3214.2	1830.6	1649.9	2016.0	2215.7
65°	2432.9	1597.6	1442.3	1848.0	2054.1
67.5°	1833.8	1396.3	1280.6	1726.0	1927.3
70°	1377.3	1201.4	1150.7	1649.9	1830.6
72.5°	1017.5	1022.3	1047.6	1583.3	1721.2
75°	751.3	860.6	968.4	1504.1	1594.4
77.5°	537.3	713.2	897.1	1409.0	1440.7
80°	372.5	581.7	822.6	1283.8	1256.9
82.5°	233.0	466.0	756.0	1145.9	1071.4
85°	131.5	356.6	708.5	985.8	905.0
87.5°	58.6	266.3	619.7	768.7	718.0
90°	0.0	149.0	410.5	578.5	583.3
92.5°	3.2	123.6	378.8	529.4	545.2
95°	6.3	104.6	361.4	491.3	513.5
97.5°	7.9	91.9	339.2	456.5	475.5
100°	9.5	82.4	312.2	420.0	435.9
102.5°	11.1	76.1	286.9	382.0	394.6
105°	12.7	69.7	263.1	348.7	358.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	15.8	53.9	198.1	250.4	258.3
115°	17.4	49.1	177.5	221.9	226.6
117.5°	19.0	42.8	155.3	194.9	196.5
120°	19.0	38.0	133.1	166.4	166.4
122.5°	19.0	31.7	110.9	137.9	136.3
125°	19.0	25.4	90.3	114.1	112.5
127.5°	17.4	20.6	72.9	95.1	93.5
130°	17.4	20.6	58.6	80.8	80.8
132.5°	15.8	19.0	47.5	69.7	69.7
135°	15.8	19.0	39.6	61.8	61.8
137.5°	15.8	20.6	33.3	53.9	53.9
140°	15.8	19.0	28.5	47.5	47.5
142.5°	17.4	19.0	25.4	41.2	41.2
145°	19.0	20.6	23.8	36.5	34.9
147.5°	19.0	22.2	23.8	31.7	30.1
150°	19.0	23.8	23.8	28.5	26.9
152.5°	19.0	23.8	23.8	26.9	25.4
155°	19.0	23.8	25.4	26.9	23.8
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°	12.7	65.0	240.9	312.2	323.3
110°	14.3	58.6	220.3	278.9	290.0



(END OF REPORT)