

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: P830204

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830204
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-L835-CD
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

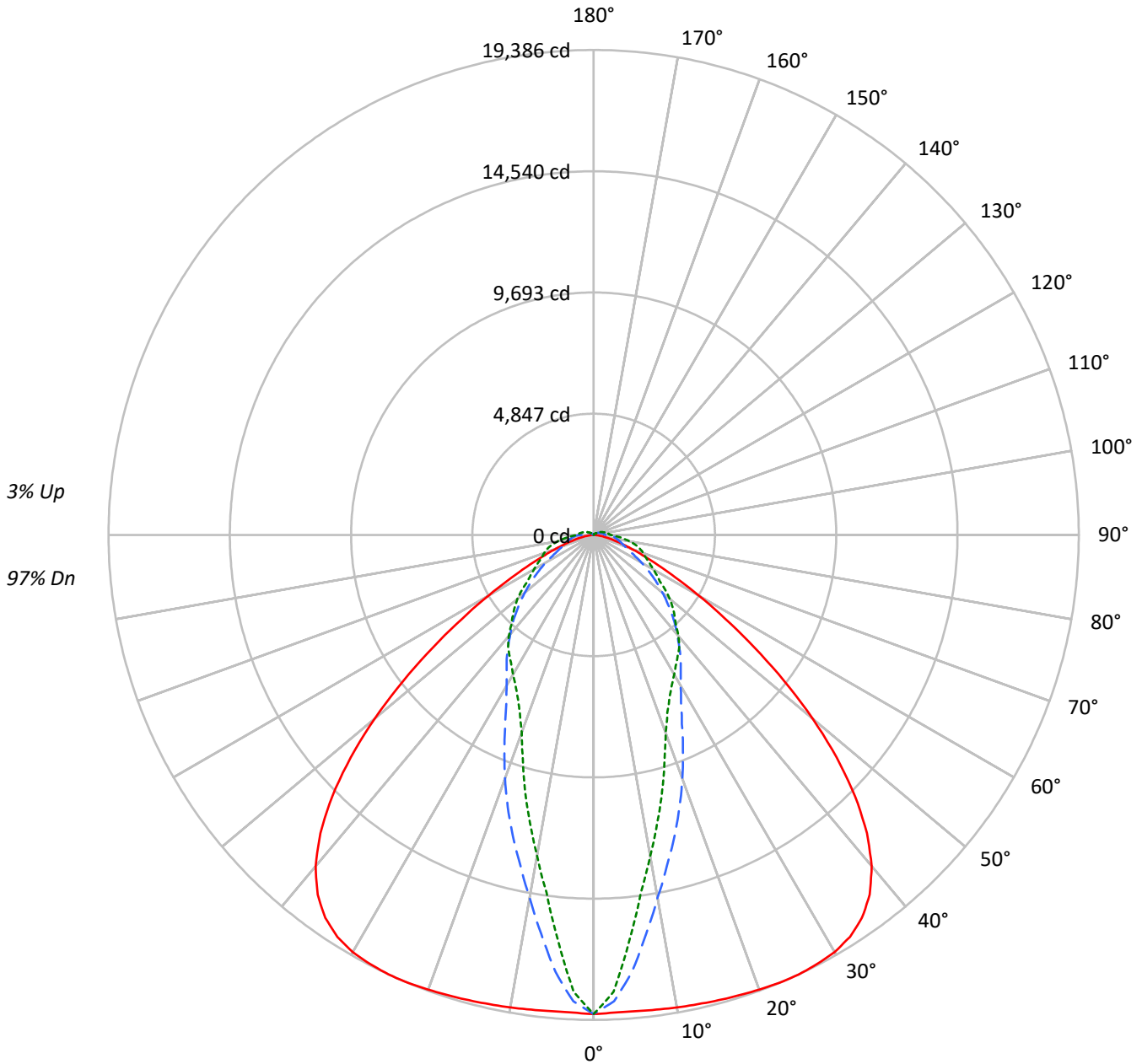
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28265.0 lumens
Efficiency: N/A
Efficacy: 172.6 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°	30287	30287	30287
5°	30225	27594	25661
10°	30566	23254	20589
15°	31163	19897	16910
20°	32039	16831	13686
25°	33147	13939	12000
30°	34293	12014	11156
35°	35006	10955	10638
40°	34407	9902	10101
45°	31653	8955	9361
50°	26705	7918	8796
55°	20292	6942	7838
60°	14221	5961	7517
65°	9565	5141	7375
70°	6533	4835	7760
75°	4533	5001	8326
80°	3120	5565	8631
85°	1826	7023	9174



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1612.1	5.7
10°-20°	3792.4	13.4
20°-30°	4753.7	16.8
30°-40°	5044.3	17.8
40°-50°	4560.8	16.1
50°-60°	3306.9	11.7
60°-70°	2075.2	7.3
70°-80°	1373.3	4.9
80°-90°	791.2	2.8
90°-100°	383.3	1.4
100°-110°	264.6	0.9
110°-120°	163.2	0.6
120°-130°	79.1	0.3
130°-140°	36.4	0.1
140°-150°	19.9	0.1
150°-160°	8.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
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0°-30°	10158.3	35.9
0°-40°	15202.5	53.8
0°-60°	23070.2	81.6
0°-90°	27309.9	96.6
90°-120°	811.1	2.9
90°-150°	946.4	3.3
90°-180°	955.0	3.4
0°-180°	28265.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19151	19151	19151	19151	19151	
5°	19113	18622	17529	16716	16295	###
15°	19259	15697	12467	11087	10584	5462
25°	19386	12137	8348	7409	7174	8956
35°	18692	8069	6059	5869	5867	11620
45°	14777	5111	4391	4497	4573	11257
55°	7823	3168	2865	3108	3219	7068
65°	2798	1837	1659	2125	2362	2911
75°	864	990	1114	1730	1834	963
85°	151	410	815	1134	1041	181
90°	0	171	472	665	671	10
95°	7	120	416	565	591	6
105°	15	80	303	401	412	15
115°	20	56	204	255	261	20
125°	22	29	104	131	129	19
135°	18	22	46	71	71	14
145°	22	24	27	42	40	13
155°	22	27	29	31	27	7
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°	19151.0	19151.0	19151.0	19151.0	19151.0
2.5°	19110.9	19001.6	18660.7	18453.0	18278.0
5°	19112.8	18622.5	17528.8	16715.9	16294.9
7.5°	19140.1	18050.1	16079.8	14893.2	14430.3
10°	19182.0	17341.1	14727.4	13462.4	13030.4
12.5°	19213.0	16542.8	13537.1	12237.6	11763.7
15°	19258.6	15697.0	12467.2	11087.4	10584.4
17.5°	19300.5	14900.5	11410.1	9968.3	9408.7
20°	19342.4	14042.0	10352.9	8867.4	8406.3
22.5°	19382.5	13136.2	9321.3	8012.6	7697.2
25°	19386.2	12137.3	8347.9	7409.3	7174.1
27.5°	19338.8	11102.0	7558.7	6904.4	6758.5
30°	19256.8	10097.7	6946.3	6539.8	6435.9
32.5°	19052.6	9073.4	6472.4	6188.0	6127.9
35°	18691.7	8069.1	6058.6	5869.1	5867.3
37.5°	18123.0	7177.8	5610.3	5577.4	5617.5
40°	17282.8	6397.7	5185.6	5273.1	5273.1
42.5°	16161.8	5719.6	4801.0	4890.3	4866.6
45°	14776.6	5110.8	4390.9	4496.6	4573.1
47.5°	13170.8	4575.0	3971.7	4175.8	4281.5
50°	11424.6	4064.6	3588.9	3849.5	3969.8
52.5°	9594.7	3592.5	3215.2	3514.2	3610.8
55°	7823.0	3167.8	2865.3	3107.7	3218.9
57.5°	6219.0	2763.2	2522.6	2752.3	2981.9
60°	4839.3	2415.1	2200.0	2528.1	2757.7
62.5°	3696.4	2105.2	1897.4	2318.5	2548.1
65°	2797.8	1837.3	1658.7	2125.3	2362.2
67.5°	2108.9	1605.8	1472.7	1984.9	2216.4
70°	1583.9	1381.6	1323.3	1897.4	2105.2
72.5°	1170.2	1175.6	1204.8	1820.9	1979.4
75°	864.0	989.7	1113.7	1729.7	1833.6
77.5°	617.9	820.2	1031.6	1620.4	1656.8
80°	428.3	668.9	946.0	1476.4	1445.4
82.5°	267.9	535.9	869.4	1317.8	1232.1
85°	151.3	410.1	814.7	1133.7	1040.8
87.5°	67.4	306.2	712.7	884.0	825.7
90°	0.0	171.3	472.1	665.3	670.8
92.5°	3.6	142.2	435.6	608.8	627.0
95°	7.3	120.3	415.6	565.0	590.6
97.5°	9.1	105.7	390.1	524.9	546.8
100°	10.9	94.8	359.1	483.0	501.2
102.5°	12.8	87.5	329.9	439.3	453.9
105°	14.6	80.2	302.6	401.0	411.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	18.2	62.0	227.8	288.0	297.1
115°	20.0	56.5	204.1	255.2	260.6
117.5°	21.9	49.2	178.6	224.2	226.0
120°	21.9	43.7	153.1	191.4	191.4
122.5°	21.9	36.5	127.6	158.6	156.8
125°	21.9	29.2	103.9	131.2	129.4
127.5°	20.0	23.7	83.8	109.4	107.5
130°	20.0	23.7	67.4	93.0	93.0
132.5°	18.2	21.9	54.7	80.2	80.2
135°	18.2	21.9	45.6	71.1	71.1
137.5°	18.2	23.7	38.3	62.0	62.0
140°	18.2	21.9	32.8	54.7	54.7
142.5°	20.0	21.9	29.2	47.4	47.4
145°	21.9	23.7	27.3	41.9	40.1
147.5°	21.9	25.5	27.3	36.5	34.6
150°	21.9	27.3	27.3	32.8	31.0
152.5°	21.9	27.3	27.3	31.0	29.2
155°	21.9	27.3	29.2	31.0	27.3
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°	14.6	74.7	277.0	359.1	371.8
110°	16.4	67.4	253.4	320.8	333.6



(END OF REPORT)