

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: P830219

Luminaire Tested: **OHBL-30HE-NL-UNV-L930-CD**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P830219
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30HE-NL-UNV-L930-CD
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

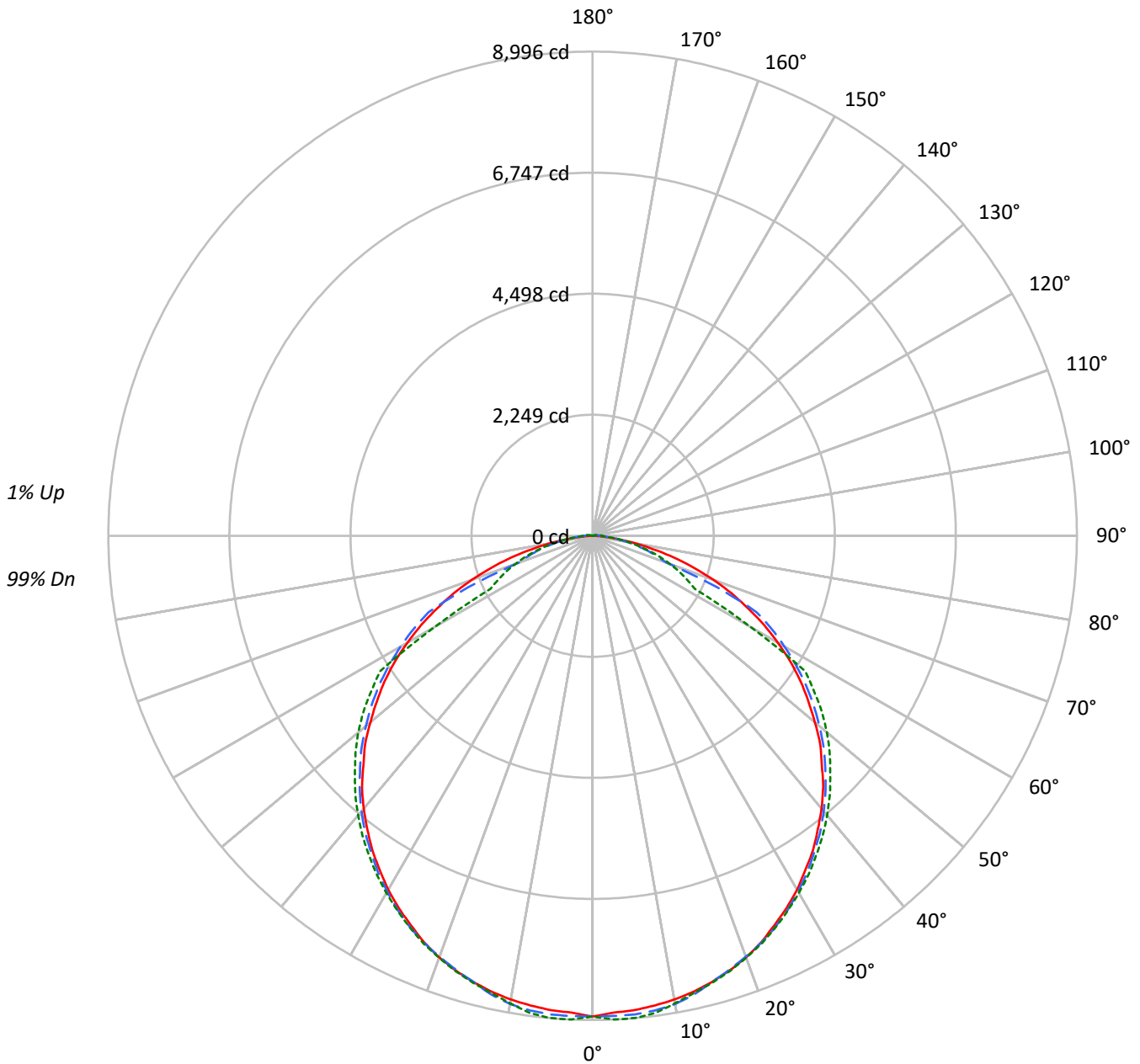
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25074.0 lumens
Efficiency: N/A
Efficacy: 153.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.8' x L: 3.78' x H: 0')
CIE Type: Direct

Input Watts (W): 163.8
Input Voltage (V): NR
Input Current (Ain): 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					20					
RC	80					70					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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	99								
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86	84								
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73	71								
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62	60								
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53	51								
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44								
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39								
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34								
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30								
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27								
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14124	14124	14124
5°	14046	14173	14280
10°	14050	14183	14165
15°	14047	14045	14075
20°	14028	14007	14041
25°	13932	14003	14014
30°	13868	13939	13994
35°	13778	13853	13983
40°	13659	13788	13992
45°	13462	13665	13963
50°	13259	13529	13976
55°	13005	13342	13822
60°	12570	13016	10761
65°	11892	12584	7242
70°	10999	6680	7029
75°	9594	6348	6712
80°	7378	5823	6151
85°	3723	5886	6026



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	848.4	3.4
10°-20°	2429.3	9.7
20°-30°	3696.5	14.7
30°-40°	4494.4	17.9
40°-50°	4725.6	18.8
50°-60°	4315.1	17.2
60°-70°	2766.2	11.0
70°-80°	1306.7	5.2
80°-90°	362.3	1.4
90°-100°	96.0	0.4
100°-110°	26.3	0.1
110°-120°	7.3	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	6974.3	27.8
0°-40°	11468.6	45.7
0°-60°	20509.3	81.8
0°-90°	24944.5	99.5
90°-120°	129.5	0.5
90°-150°	129.5	0.5
90°-180°	130.0	0.5
0°-180°	25074.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8931	8931	8931	8931	8931	
5°	8848	8882	8928	8976	8995	841
15°	8580	8644	8578	8591	8597	2422
25°	7984	7997	8025	8038	8031	3684
35°	7136	7094	7176	7263	7243	4460
45°	6019	6008	6110	6254	6243	4652
55°	4717	4681	4839	5000	5013	4207
65°	3178	3178	3363	1929	1935	3151
75°	1570	1600	1039	1094	1098	1655
85°	205	260	324	351	332	303
90°	0	88	144	171	168	9
95°	5	46	104	140	140	3
105°	8	17	25	25	24	8
115°	8	11	16	11	2	6
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8930.7	8930.7	8930.7	8930.7	8930.7
2.5°	8868.0	8897.9	8930.7	8973.0	8996.4
5°	8847.6	8882.1	8927.6	8976.2	8994.9
7.5°	8803.8	8852.2	8896.2	8930.7	8941.7
10°	8748.9	8806.9	8832.0	8828.8	8821.0
12.5°	8675.2	8736.4	8728.6	8692.5	8698.8
15°	8579.7	8643.9	8578.2	8590.6	8596.9
17.5°	8466.8	8529.5	8452.7	8477.8	8479.4
20°	8335.3	8382.2	8322.7	8343.1	8343.1
22.5°	8177.0	8209.8	8184.8	8198.9	8202.0
25°	7984.2	7996.6	8024.9	8037.5	8031.2
27.5°	7799.4	7783.6	7838.5	7868.2	7852.5
30°	7594.0	7568.9	7633.1	7681.8	7663.0
32.5°	7358.9	7343.3	7417.0	7474.9	7463.9
35°	7136.4	7094.1	7175.6	7263.3	7242.9
37.5°	6873.1	6848.1	6940.5	7033.0	7022.1
40°	6616.1	6573.8	6678.8	6788.5	6777.5
42.5°	6340.4	6290.1	6404.6	6536.3	6523.7
45°	6019.0	6008.1	6109.9	6254.1	6243.2
47.5°	5734.0	5679.1	5821.6	5961.1	5973.7
50°	5389.1	5368.8	5498.9	5668.1	5680.6
52.5°	5052.3	5038.2	5174.4	5345.3	5367.2
55°	4716.8	4680.8	4839.1	5000.5	5013.1
57.5°	4358.1	4320.4	4481.9	4657.4	4683.9
60°	3974.0	3938.0	4115.0	4278.1	3402.1
62.5°	3590.1	3565.1	3750.0	2656.2	2140.7
65°	3178.0	3178.0	3362.8	1929.0	1935.3
67.5°	2792.6	2767.5	2507.4	1733.1	1733.1
70°	2378.8	2388.3	1444.7	1518.6	1520.1
72.5°	1963.5	1998.0	1247.5	1306.9	1310.0
75°	1570.2	1600.0	1038.9	1093.8	1098.5
77.5°	1153.4	886.9	835.2	877.7	879.2
80°	810.1	559.4	639.4	680.1	675.4
82.5°	473.2	391.7	468.5	498.4	496.7
85°	205.2	260.1	324.4	351.1	332.1
87.5°	65.7	161.4	202.1	217.8	216.2
90°	0.0	87.8	144.2	170.7	167.7
92.5°	0.0	68.9	125.4	156.8	158.3
95°	4.6	45.5	103.5	139.5	139.5
97.5°	3.2	32.8	73.7	109.7	112.8
100°	3.2	26.5	48.6	78.3	80.0
102.5°	7.8	21.9	29.7	50.1	51.8
105°	7.8	17.3	25.1	25.1	23.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	9.5	12.6	17.3	12.6	1.5
115°	7.8	10.9	15.6	10.9	1.5
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
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°	7.8	15.6	21.9	14.1	4.6
110°	9.5	14.1	18.7	12.6	1.5



(END OF REPORT)