

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: P830220

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830220
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-L935-CD
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

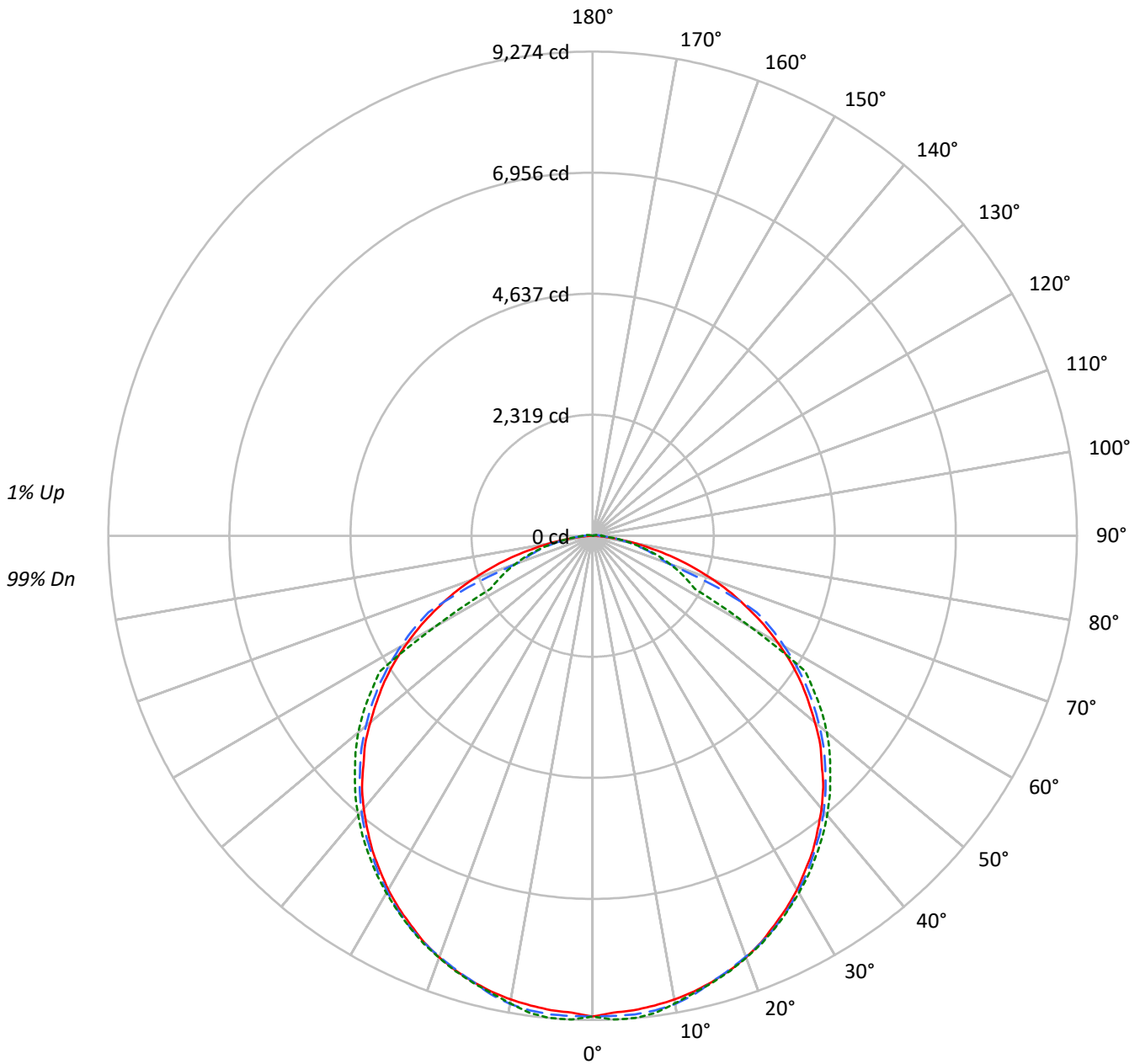
Lumens per Lamp: N/A
Luminaire Lumens: 25849.0 lumens
Efficiency: N/A
Efficacy: 157.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.8' x L: 3.78' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P830220

CATALOG NUMBER: OHBL-30HE-NL-UNV-L935-CD

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14560	14560	14560
5°	14480	14611	14721
10°	14484	14621	14603
15°	14481	14479	14510
20°	14462	14440	14475
25°	14363	14436	14447
30°	14296	14370	14426
35°	14204	14281	14416
40°	14081	14214	14424
45°	13878	14088	14395
50°	13669	13947	14408
55°	13407	13755	14250
60°	12958	13418	11093
65°	12260	12973	7466
70°	11339	6887	7246
75°	9891	6544	6919
80°	7606	6004	6341
85°	3840	6068	6213



TEST NUMBER: P830220

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	874.7	3.4
10°-20°	2504.4	9.7
20°-30°	3810.7	14.7
30°-40°	4633.3	17.9
40°-50°	4871.7	18.8
50°-60°	4448.4	17.2
60°-70°	2851.7	11.0
70°-80°	1347.1	5.2
80°-90°	373.5	1.4
90°-100°	98.9	0.4
100°-110°	27.1	0.1
110°-120°	7.5	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°	7189.8	27.8
0°-40°	11823.1	45.7
0°-60°	21143.2	81.8
0°-90°	25715.5	99.5
90°-120°	133.5	0.5
90°-150°	133.5	0.5
90°-180°	134.0	0.5
0°-180°	25849.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9207	9207	9207	9207	9207	
5°	9121	9157	9204	9254	9273	867
15°	8845	8911	8843	8856	8863	2497
25°	8231	8244	8273	8286	8279	3798
35°	7357	7313	7397	7488	7467	4598
45°	6205	6194	6299	6447	6436	4796
55°	4863	4826	4989	5155	5168	4337
65°	3276	3276	3467	1989	1995	3248
75°	1619	1650	1071	1128	1132	1706
85°	212	268	334	362	342	313
90°	0	90	149	176	173	9
95°	5	47	107	144	144	3
105°	8	18	26	26	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



TEST NUMBER: P830220

CATALOG NUMBER: OHBL-30HE-NL-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9206.7	9206.7	9206.7	9206.7	9206.7
2.5°	9142.1	9172.9	9206.7	9250.4	9274.5
5°	9121.1	9156.6	9203.5	9253.6	9272.9
7.5°	9075.9	9125.8	9171.2	9206.7	9218.0
10°	9019.3	9079.2	9105.0	9101.7	9093.7
12.5°	8943.4	9006.5	8998.4	8961.1	8967.6
15°	8844.8	8911.0	8843.3	8856.1	8862.6
17.5°	8728.5	8793.2	8714.0	8739.8	8741.5
20°	8592.9	8641.3	8579.9	8600.9	8600.9
22.5°	8429.7	8463.6	8437.8	8452.3	8455.6
25°	8231.0	8243.8	8272.9	8285.9	8279.4
27.5°	8040.4	8024.2	8080.8	8111.4	8095.2
30°	7828.7	7802.9	7869.1	7919.2	7899.9
32.5°	7586.3	7570.3	7646.2	7705.9	7694.6
35°	7357.0	7313.4	7397.3	7487.8	7466.8
37.5°	7085.5	7059.7	7155.0	7250.4	7239.1
40°	6820.6	6777.0	6885.3	6998.3	6987.0
42.5°	6536.3	6484.5	6602.5	6738.3	6725.3
45°	6205.0	6193.8	6298.8	6447.4	6436.1
47.5°	5911.2	5854.6	6001.5	6145.4	6158.4
50°	5555.6	5534.8	5668.8	5843.3	5856.1
52.5°	5208.4	5193.9	5334.3	5510.5	5533.0
55°	4862.6	4825.5	4988.6	5155.1	5168.1
57.5°	4492.8	4454.0	4620.4	4801.3	4828.7
60°	4096.8	4059.7	4242.2	4410.4	3507.3
62.5°	3701.1	3675.2	3865.9	2738.3	2206.9
65°	3276.2	3276.2	3466.7	1988.6	1995.1
67.5°	2878.9	2853.1	2584.9	1786.7	1786.7
70°	2452.3	2462.1	1489.4	1565.5	1567.0
72.5°	2024.2	2059.8	1286.0	1347.3	1350.5
75°	1618.7	1649.5	1071.0	1127.6	1132.4
77.5°	1189.0	914.4	861.0	904.8	906.3
80°	835.2	576.7	659.2	701.1	696.3
82.5°	487.8	403.8	483.0	513.8	512.1
85°	211.6	268.2	334.4	361.9	342.4
87.5°	67.7	166.4	208.3	224.6	222.9
90°	0.0	90.5	148.6	176.0	172.9
92.5°	0.0	71.0	129.3	161.6	163.2
95°	4.8	46.9	106.7	143.8	143.8
97.5°	3.2	33.9	75.9	113.1	116.3
100°	3.2	27.4	50.1	80.7	82.4
102.5°	8.0	22.6	30.6	51.7	53.4
105°	8.0	17.8	25.8	25.8	24.3



TEST NUMBER: P830220

CATALOG NUMBER: OHBL-30HE-NL-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	9.7	13.0	17.8	13.0	1.5
115°	8.0	11.3	16.1	11.3	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°	8.0	16.1	22.6	14.5	4.8
110°	9.7	14.5	19.3	13.0	1.5



(END OF REPORT)