

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: P830232

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

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P830232
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30HE-W-UNV-L935-CD
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

Summary

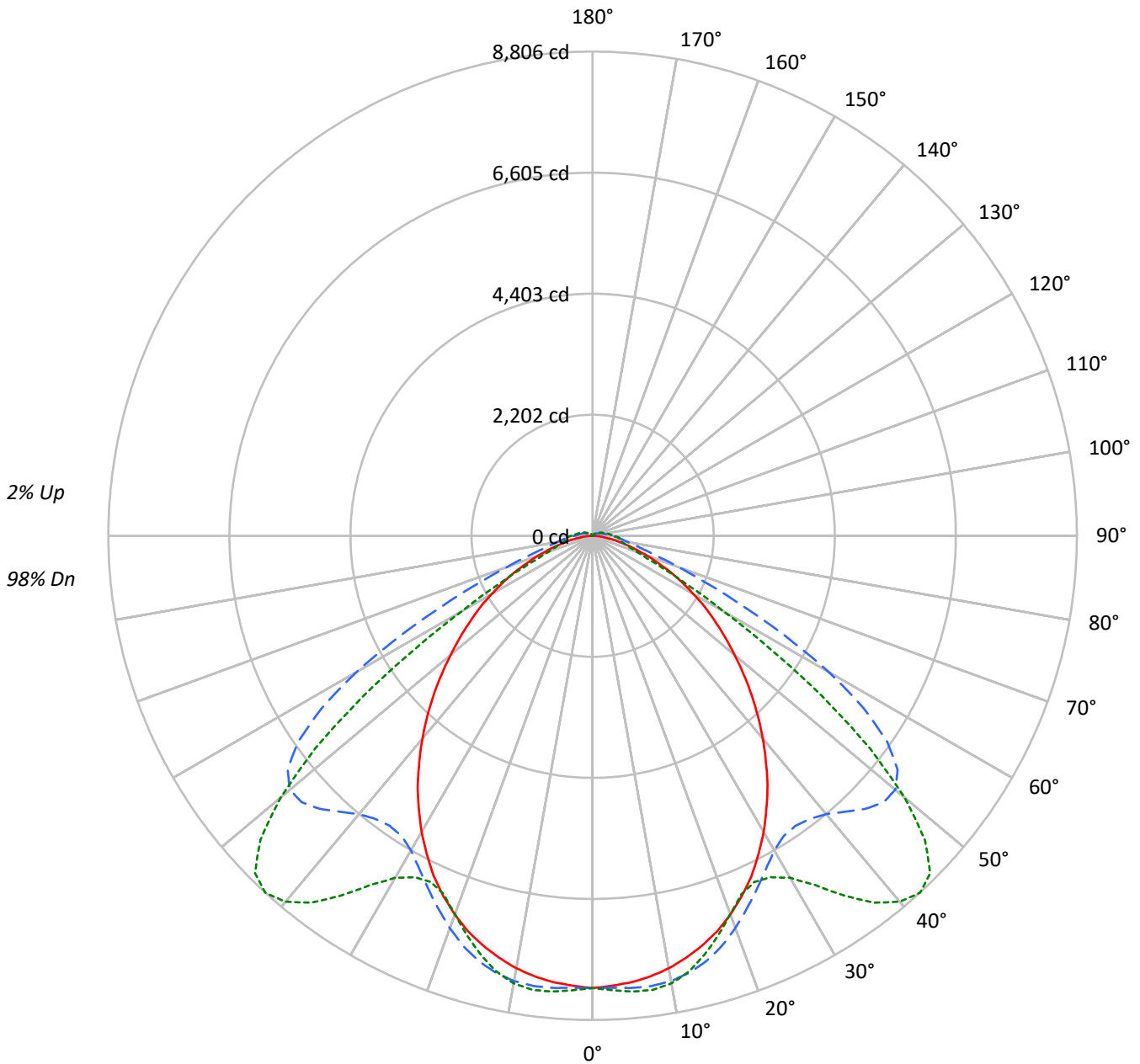
Lumens per Lamp: N/A
Luminaire Lumens: 24629.9 lumens
Efficiency: N/A
Efficacy: 150.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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				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	110	110	110	105	105	105	100	100	100	100	100	100	98
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85	85	85	85	83
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72	72	72	72	70
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61	61	61	61	59
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52	52	52	52	50
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45	45	45	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	40	40	40	38
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35	35	35	35	33
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	31	31	31	29
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28	28	28	28	26
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25	25	25	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13009	13009	13009
5°	12888	12997	13102
10°	12726	12983	13062
15°	12478	12774	12589
20°	12138	12341	11919
25°	11683	11815	11625
30°	11077	11425	12447
35°	10387	11643	14486
40°	9586	12617	16645
45°	8748	14322	17768
50°	7874	15850	16402
55°	7053	15845	12412
60°	6217	13420	7498
65°	5333	9280	4471
70°	4333	6011	3160
75°	3297	4319	2837
80°	2366	3811	3031
85°	1606	4223	4271



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	786.1	3.2
10°-20°	2226.0	9.0
20°-30°	3257.3	13.2
30°-40°	4230.3	17.2
40°-50°	5165.7	21.0
50°-60°	4549.2	18.5
60°-70°	2370.6	9.6
70°-80°	1016.6	4.1
80°-90°	488.2	2.0
90°-100°	229.4	0.9
100°-110°	142.6	0.6
110°-120°	84.3	0.3
120°-130°	45.8	0.2
130°-140°	23.0	0.1
140°-150°	11.0	0.0
150°-160°	3.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	6269.3	25.5
0°-40°	10499.6	42.6
0°-60°	20214.6	82.1
0°-90°	24090.0	97.8
90°-120°	456.2	1.9
90°-150°	536.0	2.2
90°-180°	540.0	2.2
0°-180°	24629.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8226	8226	8226	8226	8226	
5°	8150	8212	8256	8329	8320	773
15°	7711	7928	8004	7944	7880	2171
25°	6833	7198	7076	6943	6950	3136
35°	5546	6132	6439	7509	7990	3457
45°	4084	5138	7023	8503	8680	3149
55°	2719	4501	6540	5734	5097	2440
65°	1560	3118	2994	1665	1432	1543
75°	628	1459	962	658	625	685
85°	133	520	490	479	484	148
90°	2	188	323	369	378	9
95°	4	110	257	302	311	3
105°	7	62	167	200	204	7
115°	11	36	103	126	130	11
125°	12	18	60	78	80	11
135°	11	11	28	48	50	8
145°	14	11	12	23	27	8
155°	14	14	11	11	11	4
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°	8226.0	8226.0	8226.0	8226.0	8226.0
2.5°	8190.5	8226.0	8227.7	8277.4	8272.1
5°	8149.7	8211.8	8256.1	8328.9	8320.0
7.5°	8082.2	8179.8	8257.9	8337.8	8330.7
10°	7986.4	8119.5	8222.4	8288.1	8266.8
12.5°	7862.1	8037.8	8139.0	8153.2	8112.4
15°	7711.3	7927.8	8004.1	7943.8	7879.9
17.5°	7540.9	7794.7	7821.3	7690.0	7610.1
20°	7327.9	7617.2	7590.6	7409.6	7320.8
22.5°	7091.9	7422.0	7336.8	7146.9	7061.7
25°	6832.8	7198.4	7075.9	6942.8	6949.9
27.5°	6529.3	6944.6	6825.7	6886.0	6999.6
30°	6220.5	6678.4	6605.6	6957.0	7180.6
32.5°	5881.5	6405.1	6470.7	7164.7	7530.3
35°	5546.1	6131.8	6438.8	7509.0	7989.9
37.5°	5175.2	5854.9	6490.3	7906.5	8410.5
40°	4814.9	5585.1	6607.4	8263.2	8689.2
42.5°	4447.5	5343.8	6804.4	8474.4	8806.3
45°	4083.7	5137.9	7022.7	8502.8	8680.3
47.5°	3719.9	4964.0	7173.5	8277.4	8195.8
50°	3368.5	4809.6	7184.2	7736.1	7402.5
52.5°	3040.1	4667.6	6989.0	6873.6	6355.4
55°	2718.9	4500.8	6540.0	5734.2	5097.1
57.5°	2426.1	4270.1	5847.8	4509.6	3813.9
60°	2115.5	3957.7	4953.3	3299.3	2750.9
62.5°	1829.8	3569.0	3950.6	2296.5	1977.1
65°	1560.0	3118.2	2994.0	1664.7	1432.2
67.5°	1274.3	2651.5	2209.6	1213.9	1064.9
70°	1050.7	2218.4	1645.2	944.2	857.2
72.5°	821.7	1806.7	1229.9	766.7	718.8
75°	628.3	1458.8	961.9	658.4	624.7
77.5°	463.2	1153.6	773.8	582.1	550.2
80°	324.8	908.7	647.8	520.0	507.6
82.5°	218.3	702.8	551.9	495.2	496.9
85°	133.1	520.0	489.8	479.2	484.5
87.5°	63.9	369.1	420.6	436.6	441.9
90°	1.8	188.1	323.0	369.1	378.0
92.5°	0.0	143.8	284.0	330.1	339.0
95°	3.5	110.0	257.3	301.7	310.6
97.5°	3.5	90.5	230.7	276.9	282.2
100°	5.3	78.1	205.9	250.2	255.6
102.5°	5.3	69.2	184.6	223.6	227.2
105°	7.1	62.1	166.8	200.5	204.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	10.6	42.6	117.1	142.0	145.5
115°	10.6	35.5	102.9	126.0	129.6
117.5°	12.4	31.9	90.5	111.8	113.6
120°	12.4	26.6	78.1	99.4	101.2
122.5°	12.4	21.3	69.2	88.7	90.5
125°	12.4	17.7	60.3	78.1	79.9
127.5°	10.6	12.4	51.5	69.2	71.0
130°	10.6	10.6	42.6	60.3	63.9
132.5°	10.6	10.6	35.5	53.2	56.8
135°	10.6	10.6	28.4	47.9	49.7
137.5°	10.6	10.6	23.1	40.8	44.4
140°	10.6	10.6	17.7	35.5	37.3
142.5°	12.4	10.6	16.0	30.2	31.9
145°	14.2	10.6	12.4	23.1	26.6
147.5°	14.2	12.4	12.4	19.5	21.3
150°	14.2	14.2	10.6	14.2	17.7
152.5°	14.2	14.2	10.6	10.6	14.2
155°	14.2	14.2	10.6	10.6	10.6
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°	8.9	55.0	149.1	179.2	182.8
110°	8.9	47.9	131.3	159.7	163.3



(END OF REPORT)