

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: P830295

Luminaire Tested: **OHBL-30SE-W-UNV-L730-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830295
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-30SE-W-UNV-L730-CD
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

Summary

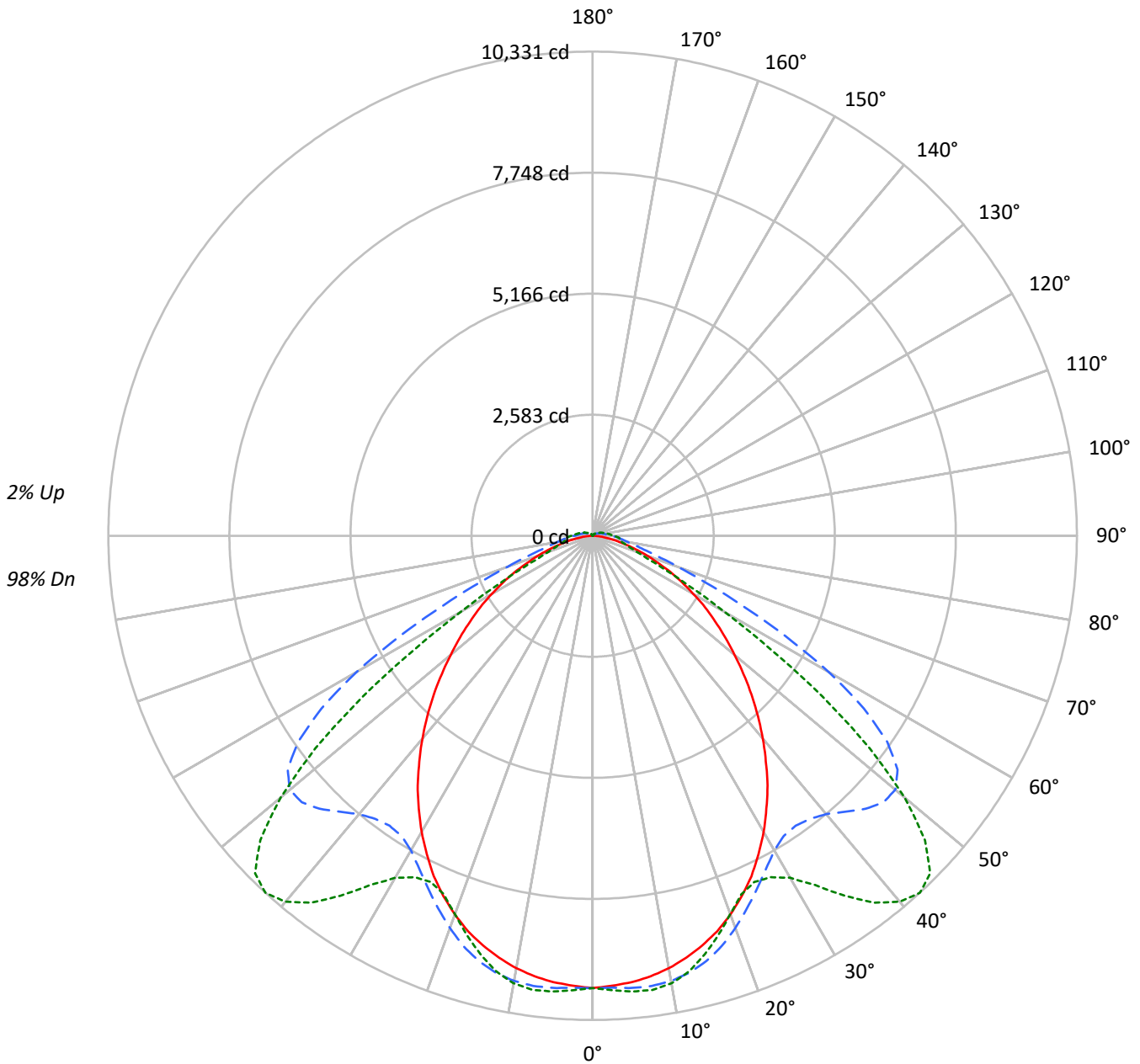
Lumens per Lamp: N/A
Luminaire Lumens: 28895.0 lumens
Efficiency: N/A
Efficacy: 166.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 174
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°	16483	16483	16483
5°	16329	16460	16590
10°	16124	16434	16529
15°	15810	16163	15920
20°	15379	15607	15062
25°	14802	14934	14681
30°	14035	14434	15707
35°	13160	14701	18265
40°	12145	15922	20969
45°	11083	18060	22361
50°	9976	19970	20618
55°	8936	19944	15581
60°	7876	16873	9396
65°	6757	11650	5591
70°	5490	7530	3939
75°	4177	5395	3522
80°	2998	4738	3737
85°	2035	5203	5197



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	922.2	3.2
10°-20°	2611.4	9.0
20°-30°	3821.3	13.2
30°-40°	4962.8	17.2
40°-50°	6060.2	21.0
50°-60°	5337.0	18.5
60°-70°	2781.1	9.6
70°-80°	1192.6	4.1
80°-90°	572.8	2.0
90°-100°	269.1	0.9
100°-110°	167.2	0.6
110°-120°	98.9	0.3
120°-130°	53.8	0.2
130°-140°	27.0	0.1
140°-150°	13.0	0.0
150°-160°	4.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7355.0	25.5
0°-40°	12317.8	42.6
0°-60°	23715.0	82.1
0°-90°	28261.5	97.8
90°-120°	535.2	1.9
90°-150°	629.0	2.2
90°-180°	634.0	2.2
0°-180°	28895.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9650	9650	9650	9650	9650	
5°	9561	9634	9686	9771	9761	907
15°	9047	9301	9390	9319	9244	2547
25°	8016	8445	8301	8145	8153	3679
35°	6506	7194	7554	8809	9374	4055
45°	4791	6028	8239	9975	10183	3694
55°	3190	5280	7672	6727	5980	2863
65°	1830	3658	3512	1953	1680	1811
75°	737	1712	1128	772	733	804
85°	156	610	575	562	568	174
90°	2	221	379	433	444	11
95°	4	129	302	354	364	3
105°	8	73	196	235	239	9
115°	12	42	121	148	152	13
125°	15	21	71	92	94	12
135°	12	12	33	56	58	10
145°	17	12	15	27	31	10
155°	17	17	12	12	12	5
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°	9650.4	9650.4	9650.4	9650.4	9650.4
2.5°	9608.8	9650.4	9652.5	9710.8	9704.5
5°	9560.9	9633.7	9685.8	9771.2	9760.8
7.5°	9481.8	9596.3	9687.9	9781.6	9773.2
10°	9369.3	9525.5	9646.2	9723.3	9698.3
12.5°	9223.6	9429.7	9548.4	9565.0	9517.1
15°	9046.6	9300.6	9390.1	9319.4	9244.4
17.5°	8846.7	9144.5	9175.7	9021.6	8927.9
20°	8596.9	8936.3	8905.0	8692.6	8588.5
22.5°	8320.0	8707.2	8607.3	8384.5	8284.6
25°	8016.0	8444.9	8301.2	8145.1	8153.4
27.5°	7659.9	8147.1	8007.6	8078.4	8211.7
30°	7297.7	7834.8	7749.5	8161.7	8424.1
32.5°	6900.0	7514.2	7591.2	8405.3	8834.2
35°	6506.5	7193.6	7553.8	8809.2	9373.5
37.5°	6071.3	6868.8	7614.1	9275.6	9866.9
40°	5648.7	6552.3	7751.6	9694.1	10193.8
42.5°	5217.7	6269.1	7982.7	9941.9	10331.2
45°	4790.8	6027.6	8238.8	9975.2	10183.4
47.5°	4364.0	5823.6	8415.7	9710.8	9615.0
50°	3951.8	5642.4	8428.2	9075.8	8684.3
52.5°	3566.6	5475.8	8199.2	8063.9	7455.9
55°	3189.7	5280.1	7672.4	6727.2	5979.7
57.5°	2846.2	5009.5	6860.4	5290.5	4474.4
60°	2481.8	4643.0	5811.1	3870.6	3227.2
62.5°	2146.6	4187.0	4634.7	2694.2	2319.4
65°	1830.1	3658.2	3512.5	1953.0	1680.2
67.5°	1494.9	3110.6	2592.2	1424.1	1249.2
70°	1232.6	2602.6	1930.1	1107.7	1005.6
72.5°	964.0	2119.5	1442.9	899.5	843.2
75°	737.1	1711.5	1128.5	772.4	732.9
77.5°	543.4	1353.3	907.8	682.9	645.4
80°	381.0	1066.0	760.0	610.0	595.5
82.5°	256.1	824.5	647.5	580.9	583.0
85°	156.2	610.0	574.7	562.2	568.4
87.5°	75.0	433.1	493.5	512.2	518.4
90°	2.1	220.7	378.9	433.1	443.5
92.5°	0.0	168.6	333.1	387.3	397.7
95°	4.2	129.1	301.9	354.0	364.4
97.5°	4.2	106.2	270.7	324.8	331.0
100°	6.2	91.6	241.5	293.6	299.8
102.5°	6.2	81.2	216.5	262.3	266.5
105°	8.3	72.9	195.7	235.3	239.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	12.5	50.0	137.4	166.6	170.7
115°	12.5	41.6	120.8	147.8	152.0
117.5°	14.6	37.5	106.2	131.2	133.3
120°	14.6	31.2	91.6	116.6	118.7
122.5°	14.6	25.0	81.2	104.1	106.2
125°	14.6	20.8	70.8	91.6	93.7
127.5°	12.5	14.6	60.4	81.2	83.3
130°	12.5	12.5	50.0	70.8	75.0
132.5°	12.5	12.5	41.6	62.5	66.6
135°	12.5	12.5	33.3	56.2	58.3
137.5°	12.5	12.5	27.1	47.9	52.1
140°	12.5	12.5	20.8	41.6	43.7
142.5°	14.6	12.5	18.7	35.4	37.5
145°	16.7	12.5	14.6	27.1	31.2
147.5°	16.7	14.6	14.6	22.9	25.0
150°	16.7	16.7	12.5	16.7	20.8
152.5°	16.7	16.7	12.5	12.5	16.7
155°	16.7	16.7	12.5	12.5	12.5
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°	10.4	64.5	174.9	210.3	214.5
110°	10.4	56.2	154.1	187.4	191.6



(END OF REPORT)