

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: P830247

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830247
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30SE-MCL-UNV-L730-CD
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

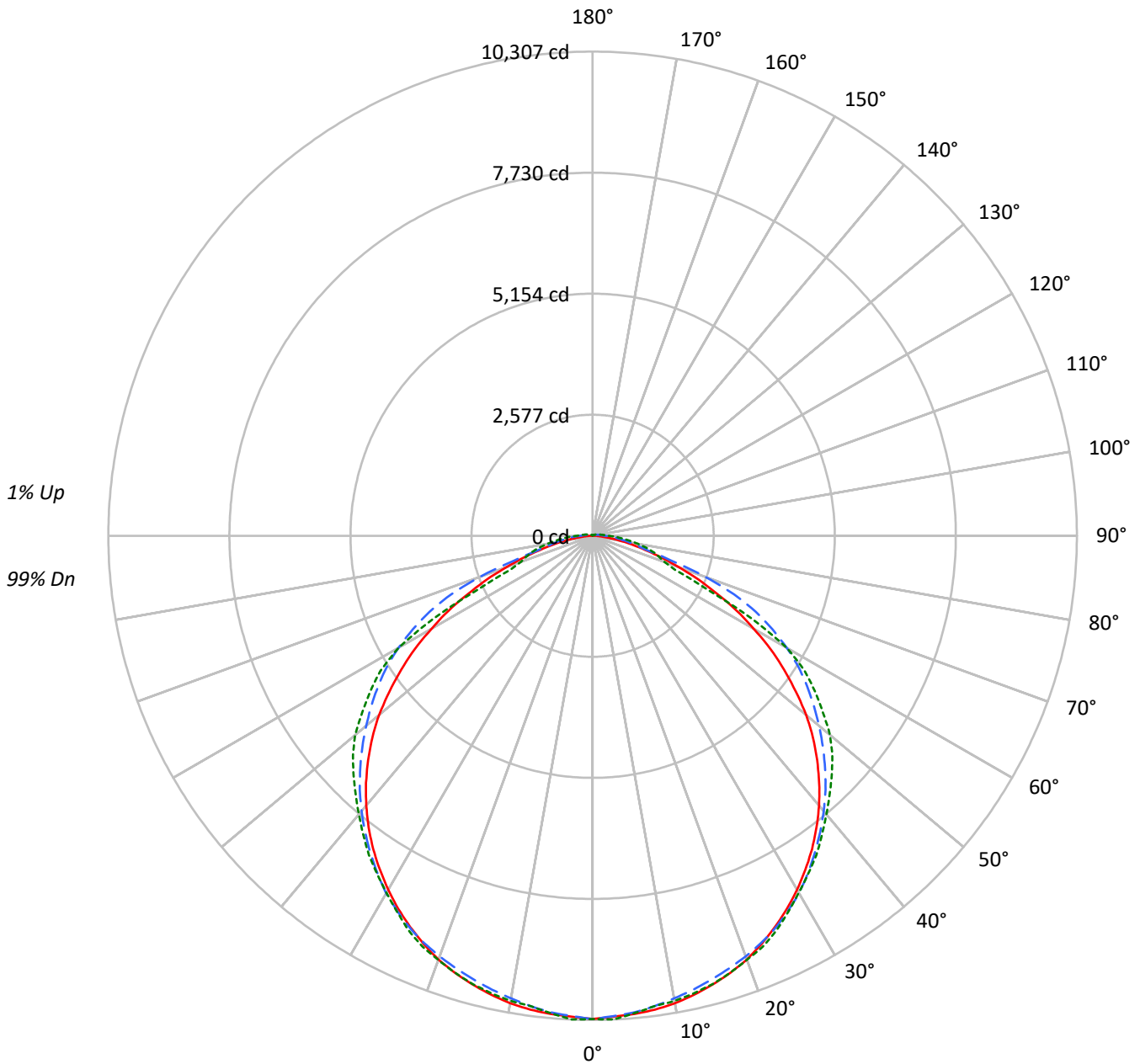
Lumens per Lamp: N/A
Luminaire Lumens: 29074.1 lumens
Efficiency: N/A
Efficacy: 167.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

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									
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	119	119	119	119	116	116	116	116	110	110	110	106	106	106	101	101	101				99																
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86				83																
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72				70																
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61				59																
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53				51																
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46				44																
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40				38																
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36				34																
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32				30																
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29				27																
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26				24																

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17569	17569	17569
5°	17454	17306	17339
10°	17390	17036	17136
15°	17280	16832	17010
20°	17170	16701	16848
25°	16962	16569	16687
30°	16737	16365	16359
35°	16468	16045	16172
40°	16117	15715	15921
45°	15632	15333	15801
50°	14974	14900	15657
55°	13929	14472	15052
60°	12561	13850	13892
65°	10775	12708	8785
70°	8679	9900	6351
75°	6507	5860	6418
80°	4529	4849	6086
85°	2577	4403	5631



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	969.9	3.3
10°-20°	2781.3	9.6
20°-30°	4247.8	14.6
30°-40°	5154.1	17.7
40°-50°	5402.0	18.6
50°-60°	4895.0	16.8
60°-70°	3281.9	11.3
70°-80°	1473.7	5.1
80°-90°	534.8	1.8
90°-100°	161.0	0.6
100°-110°	76.0	0.3
110°-120°	38.1	0.1
120°-130°	21.0	0.1
130°-140°	14.4	0.0
140°-150°	9.7	0.0
150°-160°	7.2	0.0
160°-170°	4.6	0.0
170°-180°	1.5	0.0
0°-30°	7999.0	27.5
0°-40°	13153.1	45.2
0°-60°	23450.1	80.7
0°-90°	28740.5	98.9
90°-120°	275.0	0.9
90°-150°	320.2	1.1
90°-180°	334.0	1.1
0°-180°	29074.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10286	10286	10286	10286	10286	
5°	10220	10255	10184	10215	10202	972
15°	9888	9849	9779	9866	9877	2792
25°	9186	9146	9210	9294	9268	4234
35°	8142	8161	8244	8332	8299	5089
45°	6757	6867	6995	7173	7196	5205
55°	4972	5212	5567	5790	5777	4438
65°	2918	3375	3831	3234	2640	2908
75°	1148	1666	1226	1254	1336	1255
85°	198	379	486	588	616	241
90°	2	126	251	315	330	12
95°	2	79	172	210	216	2
105°	6	34	85	103	107	7
115°	12	18	43	55	58	11
125°	10	12	27	31	33	10
135°	13	15	16	24	25	11
145°	13	15	15	16	18	9
155°	15	16	16	16	15	7
165°	16	16	16	16	16	5
175°	16	16	15	13	13	2
180°	15	15	15	15	15	



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CATALOG NUMBER: OHBL-30SE-MCL-UNV-L730-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10286.4	10286.4	10286.4	10286.4	10286.4
2.5°	10244.8	10287.9	10234.3	10292.4	10307.2
5°	10219.5	10255.2	10183.8	10215.0	10201.6
7.5°	10173.4	10185.3	10100.5	10125.8	10099.0
10°	10105.0	10099.0	9999.4	10048.4	10054.4
12.5°	10003.8	9986.0	9896.7	9971.1	9972.6
15°	9887.8	9849.1	9779.2	9865.5	9877.4
17.5°	9753.9	9703.4	9657.3	9768.8	9751.0
20°	9597.8	9538.3	9529.4	9651.3	9606.7
22.5°	9404.4	9358.3	9379.1	9495.1	9466.9
25°	9185.8	9145.6	9209.6	9294.4	9267.6
27.5°	8955.2	8931.4	9004.3	9069.8	9017.7
30°	8702.4	8689.0	8785.7	8839.2	8773.8
32.5°	8427.2	8431.7	8523.9	8596.8	8535.8
35°	8141.7	8161.0	8244.3	8332.0	8299.3
37.5°	7827.8	7871.0	7954.3	8053.9	8019.7
40°	7496.2	7558.6	7650.8	7771.3	7740.1
42.5°	7137.7	7216.5	7335.5	7469.4	7466.4
45°	6757.0	6867.0	6994.9	7173.4	7195.7
47.5°	6361.3	6484.8	6646.9	6884.9	6919.1
50°	5931.5	6086.2	6288.5	6574.0	6594.8
52.5°	5452.6	5663.8	5931.5	6205.2	6179.9
55°	4972.2	5211.6	5567.1	5790.2	5776.8
57.5°	4493.2	4762.4	5193.8	5352.9	5351.4
60°	3957.8	4298.4	4769.9	4890.4	4771.4
62.5°	3462.5	3828.4	4317.7	4230.0	3822.4
65°	2918.2	3374.8	3831.4	3233.5	2640.0
67.5°	2434.8	2910.7	3254.3	2214.6	1896.4
70°	1948.4	2473.4	2537.4	1643.5	1621.2
72.5°	1517.1	2076.3	1750.6	1407.0	1478.4
75°	1148.2	1665.8	1225.6	1253.8	1335.6
77.5°	837.4	1279.1	953.4	1099.1	1166.1
80°	575.6	905.8	777.9	923.6	969.7
82.5°	361.4	597.9	623.2	743.7	791.3
85°	197.8	379.3	486.4	587.5	615.8
87.5°	81.8	229.0	371.8	453.6	477.4
90°	1.5	126.4	251.4	315.3	330.2
92.5°	1.5	96.7	205.3	254.3	264.7
95°	1.5	78.8	172.5	209.7	215.7
97.5°	3.0	62.5	144.3	174.0	180.0
100°	4.5	52.1	120.5	145.8	150.2
102.5°	5.9	41.6	101.1	122.0	126.4
105°	5.9	34.2	84.8	102.6	107.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	10.4	20.8	50.6	64.0	66.9
115°	11.9	17.8	43.1	55.0	58.0
117.5°	11.9	14.9	37.2	46.1	49.1
120°	11.9	13.4	32.7	40.2	41.6
122.5°	11.9	11.9	28.3	35.7	37.2
125°	10.4	11.9	26.8	31.2	32.7
127.5°	11.9	11.9	23.8	28.3	29.7
130°	11.9	13.4	20.8	26.8	26.8
132.5°	13.4	14.9	19.3	25.3	25.3
135°	13.4	14.9	16.4	23.8	25.3
137.5°	14.9	14.9	14.9	22.3	23.8
140°	14.9	14.9	13.4	19.3	20.8
142.5°	13.4	14.9	13.4	17.8	19.3
145°	13.4	14.9	14.9	16.4	17.8
147.5°	14.9	14.9	14.9	14.9	16.4
150°	14.9	14.9	14.9	14.9	14.9
152.5°	14.9	14.9	14.9	14.9	14.9
155°	14.9	16.4	16.4	16.4	14.9
157.5°	14.9	16.4	16.4	16.4	16.4
160°	14.9	16.4	16.4	16.4	16.4
162.5°	16.4	16.4	16.4	16.4	16.4
165°	16.4	16.4	16.4	16.4	16.4
167.5°	16.4	17.8	16.4	16.4	16.4
170°	16.4	16.4	16.4	14.9	14.9
172.5°	16.4	16.4	16.4	14.9	14.9
175°	16.4	16.4	14.9	13.4	13.4
177.5°	17.8	16.4	14.9	13.4	11.9
180°	14.9	14.9	14.9	14.9	14.9



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	7.4	28.3	72.9	87.8	90.7
110°	8.9	23.8	61.0	74.4	77.3



(END OF REPORT)