

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: P829839

Luminaire Tested: **OHBL-15SE-N-UNV-L730-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829839
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-15SE-N-UNV-L730-CD
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

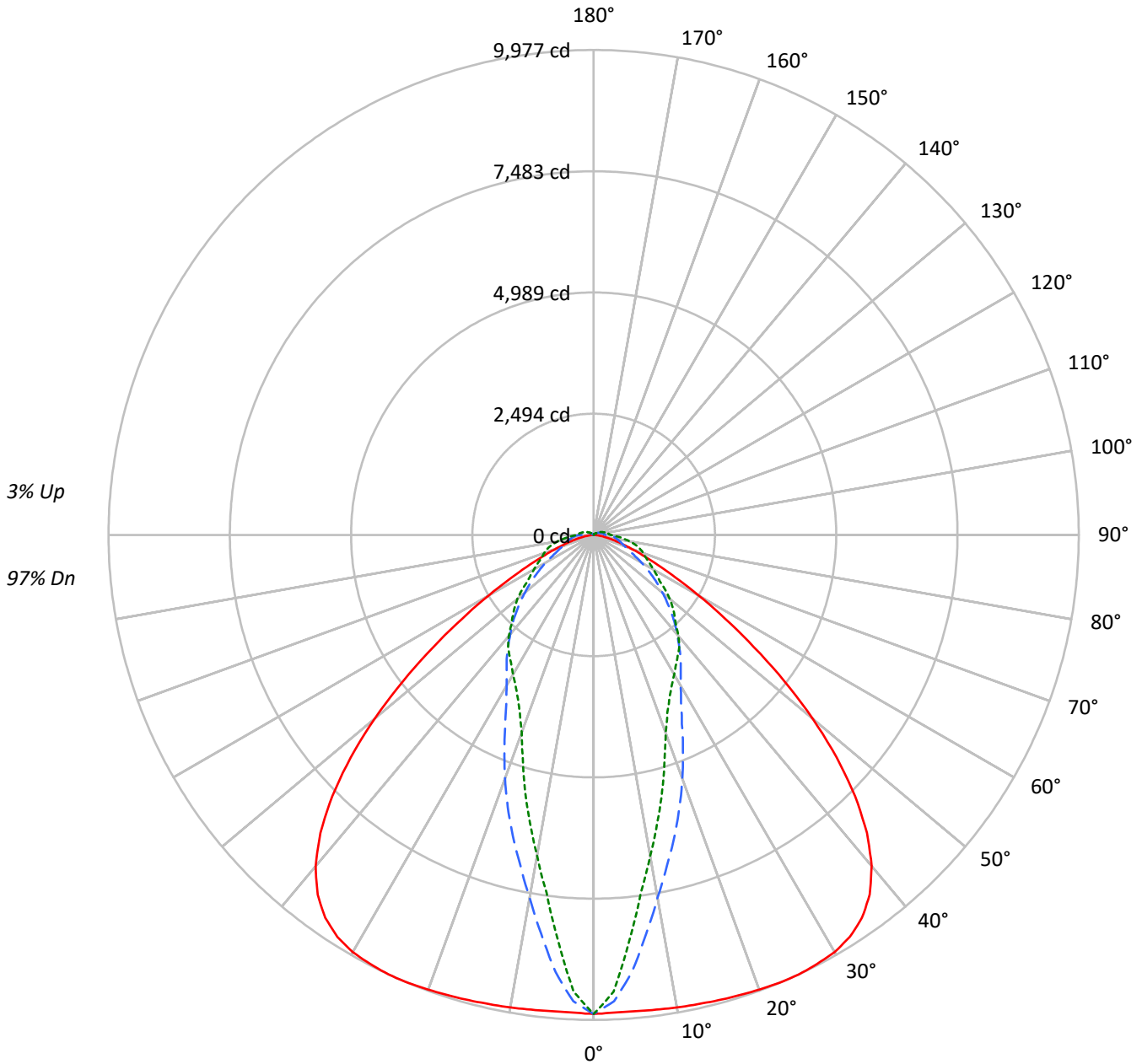
Lumens per Lamp: N/A
Luminaire Lumens: 14546.1 lumens
Efficiency: N/A
Efficacy: 167.2 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 87
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				
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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	85	85	85	85	82
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	73	71
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	64	62
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	56	54
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	50	48
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	45	43
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	41	39
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	37	35
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	34	32
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	32064	32064	32064
5°	31998	29039	26937
10°	32359	24326	21433
15°	32991	20690	17455
20°	33918	17395	14006
25°	35091	14314	12172
30°	36304	12255	11209
35°	37060	11095	10581
40°	36425	9949	9936
45°	33510	8917	9095
50°	28272	7805	8427
55°	21482	6762	7386
60°	15055	5723	6943
65°	10126	4847	6644
70°	6916	4450	6765
75°	4799	4449	6932
80°	3303	4699	6698
85°	1934	5404	6292



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	829.6	5.7
10°-20°	1951.7	13.4
20°-30°	2446.4	16.8
30°-40°	2595.9	17.8
40°-50°	2347.1	16.1
50°-60°	1701.8	11.7
60°-70°	1068.0	7.3
70°-80°	706.7	4.9
80°-90°	407.2	2.8
90°-100°	197.3	1.4
100°-110°	136.2	0.9
110°-120°	84.0	0.6
120°-130°	40.7	0.3
130°-140°	18.7	0.1
140°-150°	10.2	0.1
150°-160°	4.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	5227.7	35.9
0°-40°	7823.7	53.8
0°-60°	11872.6	81.6
0°-90°	14054.5	96.6
90°-120°	417.5	2.9
90°-150°	487.1	3.3
90°-180°	492.0	3.4
0°-180°	14546.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9856	9856	9856	9856	9856	
5°	9836	9584	9021	8602	8386	940
15°	9911	8078	6416	5706	5447	2811
25°	9977	6246	4296	3813	3692	4609
35°	9619	4153	3118	3020	3020	5980
45°	7604	2630	2260	2314	2354	5793
55°	4026	1630	1475	1599	1656	3638
65°	1440	946	854	1094	1216	1498
75°	445	509	573	890	944	496
85°	78	211	419	583	536	93
90°	0	88	243	342	345	5
95°	4	62	214	291	304	3
105°	8	41	156	206	212	8
115°	10	29	105	131	134	10
125°	11	15	54	68	67	10
135°	9	11	24	37	37	7
145°	11	12	14	22	21	7
155°	11	14	15	16	14	3
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CATALOG NUMBER: OHBL-15SE-N-UNV-L730-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9855.7	9855.7	9855.7	9855.7	9855.7
2.5°	9835.1	9778.8	9603.4	9496.4	9406.4
5°	9836.0	9583.7	9020.9	8602.5	8385.8
7.5°	9850.1	9289.1	8275.1	7664.5	7426.2
10°	9871.6	8924.2	7579.1	6928.2	6705.8
12.5°	9887.6	8513.4	6966.6	6297.8	6053.9
15°	9911.0	8078.2	6416.0	5705.9	5447.0
17.5°	9932.6	7668.2	5872.0	5130.0	4842.0
20°	9954.2	7226.4	5327.9	4563.4	4326.1
22.5°	9974.8	6760.3	4797.0	4123.5	3961.2
25°	9976.7	6246.2	4296.1	3813.0	3692.0
27.5°	9952.3	5713.4	3889.9	3553.2	3478.1
30°	9910.1	5196.6	3574.8	3365.6	3312.1
32.5°	9805.0	4669.4	3330.9	3184.6	3153.6
35°	9619.3	4152.6	3118.0	3020.4	3019.5
37.5°	9326.7	3693.9	2887.2	2870.3	2891.0
40°	8894.2	3292.4	2668.6	2713.7	2713.7
42.5°	8317.4	2943.5	2470.7	2516.7	2504.5
45°	7604.5	2630.2	2259.7	2314.1	2353.5
47.5°	6778.1	2354.4	2043.9	2149.0	2203.4
50°	5879.5	2091.8	1846.9	1981.1	2043.0
52.5°	4937.7	1848.8	1654.7	1808.5	1858.2
55°	4025.9	1630.3	1474.6	1599.3	1656.5
57.5°	3200.5	1422.0	1298.2	1416.4	1534.6
60°	2490.4	1242.9	1132.2	1301.0	1419.2
62.5°	1902.3	1083.4	976.5	1193.2	1311.3
65°	1439.8	945.5	853.6	1093.7	1215.7
67.5°	1085.3	826.4	757.9	1021.5	1140.6
70°	815.1	711.0	681.0	976.5	1083.4
72.5°	602.2	605.0	620.0	937.1	1018.7
75°	444.6	509.3	573.1	890.2	943.6
77.5°	318.0	422.1	530.9	833.9	852.7
80°	220.4	344.3	486.8	759.8	743.8
82.5°	137.9	275.8	447.4	678.2	634.1
85°	77.9	211.1	419.3	583.4	535.6
87.5°	34.7	157.6	366.8	454.9	424.9
90°	0.0	88.2	242.9	342.4	345.2
92.5°	1.9	73.2	224.2	313.3	322.7
95°	3.8	61.9	213.9	290.8	303.9
97.5°	4.7	54.4	200.7	270.1	281.4
100°	5.6	48.8	184.8	248.6	258.0
102.5°	6.6	45.0	169.8	226.1	233.6
105°	7.5	41.3	155.7	206.4	212.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	9.4	31.9	117.3	148.2	152.9
115°	10.3	29.1	105.1	131.3	134.1
117.5°	11.3	25.3	91.9	115.4	116.3
120°	11.3	22.5	78.8	98.5	98.5
122.5°	11.3	18.8	65.7	81.6	80.7
125°	11.3	15.0	53.5	67.5	66.6
127.5°	10.3	12.2	43.1	56.3	55.3
130°	10.3	12.2	34.7	47.8	47.8
132.5°	9.4	11.3	28.1	41.3	41.3
135°	9.4	11.3	23.5	36.6	36.6
137.5°	9.4	12.2	19.7	31.9	31.9
140°	9.4	11.3	16.9	28.1	28.1
142.5°	10.3	11.3	15.0	24.4	24.4
145°	11.3	12.2	14.1	21.6	20.6
147.5°	11.3	13.1	14.1	18.8	17.8
150°	11.3	14.1	14.1	16.9	15.9
152.5°	11.3	14.1	14.1	15.9	15.0
155°	11.3	14.1	15.0	15.9	14.1
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°	7.5	38.5	142.6	184.8	191.4
110°	8.4	34.7	130.4	165.1	171.7



(END OF REPORT)