

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: P830272

Luminaire Tested: **OHBL-30SE-N-UNV-L735-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830272  
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-30SE-N-UNV-L735-CD  
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND NARROW LENS  
Light Source: -  
Ballast/Driver: -

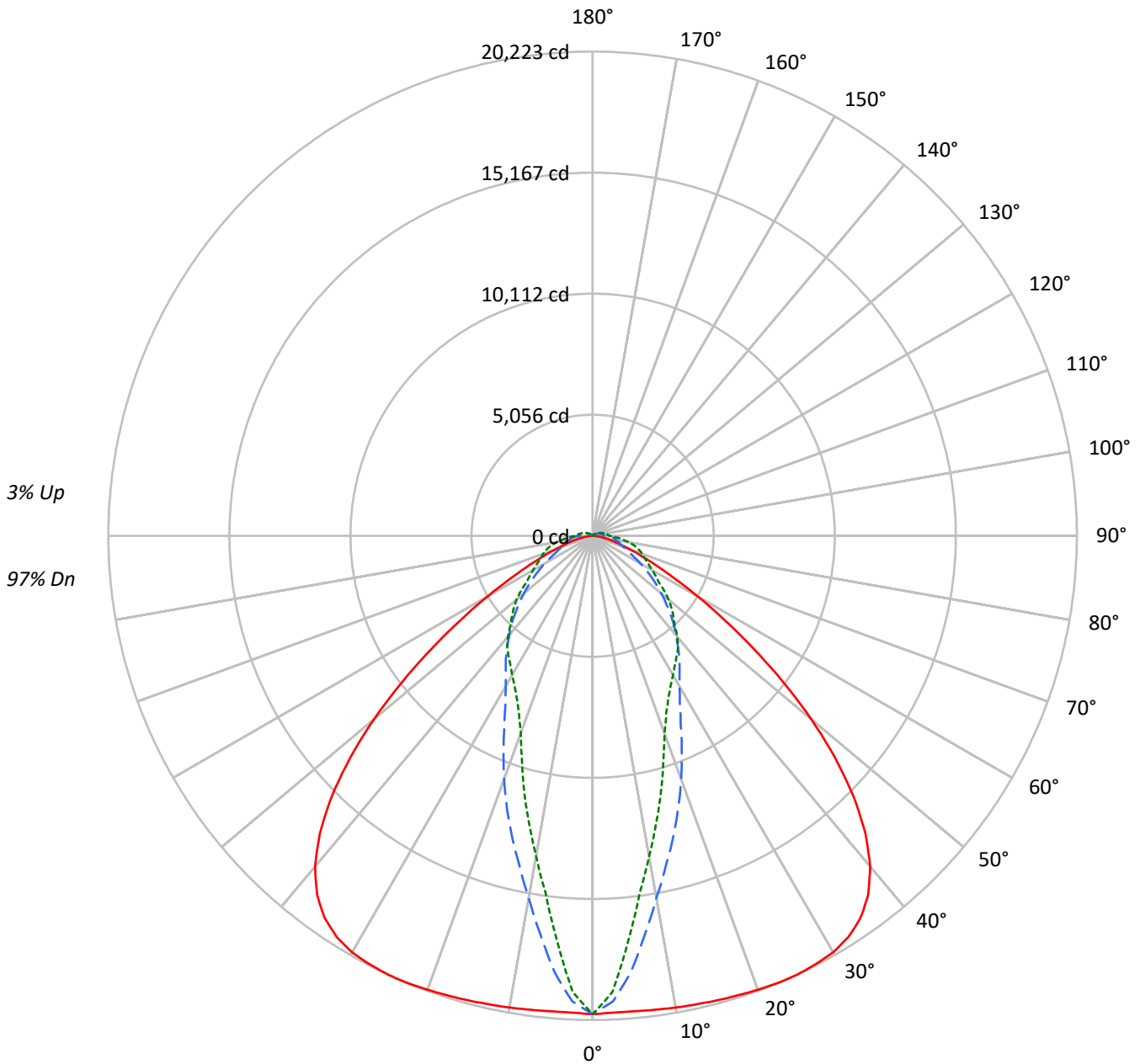
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29485.0 lumens  
Efficiency: N/A  
Efficacy: 169.5 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78  
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<sub>in</sub>): 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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	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	82																	
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	71																	
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	62																	
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	54																	
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	48																	
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	43																	
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	39																	
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	35																	
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	32																	
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	30																	

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	34122	34122	34122
5°	34052	31074	28891
10°	34436	26174	23166
15°	35109	22385	19014
20°	36095	18928	15379
25°	37344	15667	13475
30°	38634	13497	12518
35°	39438	12300	11926
40°	38763	11111	11315
45°	35661	10041	10475
50°	30087	8871	9832
55°	22861	7770	8749
60°	16021	6663	8376
65°	10777	5739	8200
70°	7360	5386	8603
75°	5107	5554	9192
80°	3516	6151	9463
85°	2056	7694	9927



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1681.7	5.7
10°-20°	3956.1	13.4
20°-30°	4958.9	16.8
30°-40°	5262.0	17.8
40°-50°	4757.7	16.1
50°-60°	3449.6	11.7
60°-70°	2164.8	7.3
70°-80°	1432.6	4.9
80°-90°	825.3	2.8
90°-100°	399.9	1.4
100°-110°	276.0	0.9
110°-120°	170.3	0.6
120°-130°	82.5	0.3
130°-140°	37.9	0.1
140°-150°	20.7	0.1
150°-160°	9.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
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0°-30°	10596.7	35.9
0°-40°	15858.7	53.8
0°-60°	24066.0	81.6
0°-90°	28488.7	96.6
90°-120°	846.1	2.9
90°-150°	987.2	3.3
90°-180°	996.0	3.4
0°-180°	29485.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	19978	19978	19978	19978	19978	
5°	19938	19426	18285	17437	16998	###
15°	20090	16375	13005	11566	11041	5697
25°	20223	12661	8708	7729	7484	9343
35°	19498	8417	6320	6122	6120	12121
45°	15414	5331	4580	4691	4770	11743
55°	8161	3305	2989	3242	3358	7373
65°	2919	1917	1730	2217	2464	3037
75°	901	1032	1162	1804	1913	1005
85°	158	428	850	1183	1086	189
90°	0	179	492	694	700	10
95°	8	126	434	589	616	7
105°	15	84	316	418	430	15
115°	21	59	213	266	272	20
125°	23	30	108	137	135	20
135°	19	23	48	74	74	15
145°	23	25	28	44	42	14
155°	23	28	30	32	28	7
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°	19977.7	19977.7	19977.7	19977.7	19977.7
2.5°	19935.8	19821.7	19466.2	19249.4	19066.9
5°	19937.7	19426.3	18285.4	17437.4	16998.2
7.5°	19966.3	18829.2	16773.9	15536.1	15053.1
10°	20010.0	18089.6	15363.0	14043.5	13592.9
12.5°	20042.3	17256.8	14121.5	12765.8	12271.4
15°	20089.8	16374.6	13005.3	11566.0	11041.2
17.5°	20133.6	15543.7	11902.6	10398.6	9814.9
20°	20177.3	14648.1	10799.8	9250.1	8769.1
22.5°	20219.1	13703.1	9723.6	8358.4	8029.5
25°	20222.9	12661.2	8708.3	7729.1	7483.8
27.5°	20173.5	11581.2	7885.0	7202.4	7050.3
30°	20087.9	10533.6	7246.1	6822.1	6713.7
32.5°	19875.0	9465.0	6751.8	6455.1	6392.4
35°	19498.5	8417.4	6320.1	6122.4	6120.5
37.5°	18905.3	7487.6	5852.4	5818.2	5860.0
40°	18028.8	6673.8	5409.4	5500.7	5500.7
42.5°	16859.4	5966.5	5008.2	5101.4	5076.6
45°	15414.4	5331.4	4580.4	4690.7	4770.5
47.5°	13739.3	4772.4	4143.1	4356.0	4466.3
50°	11917.8	4240.0	3743.8	4015.7	4141.2
52.5°	10008.8	3747.6	3354.0	3665.8	3766.6
55°	8160.7	3304.6	2988.9	3241.8	3357.8
57.5°	6487.5	2882.5	2631.5	2871.1	3110.6
60°	5048.1	2519.3	2294.9	2637.2	2876.8
62.5°	3856.0	2196.1	1979.3	2418.5	2658.1
65°	2918.6	1916.6	1730.2	2217.0	2464.2
67.5°	2199.9	1675.1	1536.3	2070.6	2312.1
70°	1652.3	1441.2	1380.4	1979.3	2196.1
72.5°	1220.7	1226.4	1256.8	1899.5	2064.9
75°	901.2	1032.4	1161.7	1804.4	1912.8
77.5°	644.6	855.6	1076.2	1690.3	1728.3
80°	446.8	697.8	986.8	1540.1	1507.8
82.5°	279.5	559.0	907.0	1374.7	1285.3
85°	157.8	427.8	849.9	1182.7	1085.7
87.5°	70.4	319.4	743.4	922.2	861.3
90°	0.0	178.7	492.5	694.0	699.7
92.5°	3.8	148.3	454.4	635.1	654.1
95°	7.6	125.5	433.5	589.4	616.0
97.5°	9.5	110.3	406.9	547.6	570.4
100°	11.4	98.9	374.6	503.9	522.9
102.5°	13.3	91.3	344.1	458.2	473.4
105°	15.2	83.7	315.6	418.3	429.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	19.0	64.6	237.7	300.4	309.9
115°	20.9	58.9	213.0	266.2	271.9
117.5°	22.8	51.3	186.3	233.9	235.8
120°	22.8	45.6	159.7	199.6	199.6
122.5°	22.8	38.0	133.1	165.4	163.5
125°	22.8	30.4	108.4	136.9	135.0
127.5°	20.9	24.7	87.5	114.1	112.2
130°	20.9	24.7	70.4	97.0	97.0
132.5°	19.0	22.8	57.0	83.7	83.7
135°	19.0	22.8	47.5	74.2	74.2
137.5°	19.0	24.7	39.9	64.6	64.6
140°	19.0	22.8	34.2	57.0	57.0
142.5°	20.9	22.8	30.4	49.4	49.4
145°	22.8	24.7	28.5	43.7	41.8
147.5°	22.8	26.6	28.5	38.0	36.1
150°	22.8	28.5	28.5	34.2	32.3
152.5°	22.8	28.5	28.5	32.3	30.4
155°	22.8	28.5	30.4	32.3	28.5
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°	15.2	78.0	289.0	374.6	387.9
110°	17.1	70.4	264.3	334.6	348.0



(END OF REPORT)