

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: P830286

Luminaire Tested: **OHBL-30SE-NL-UNV-L750-CD**

Issue Date: 5/3/2024



**Test Information**

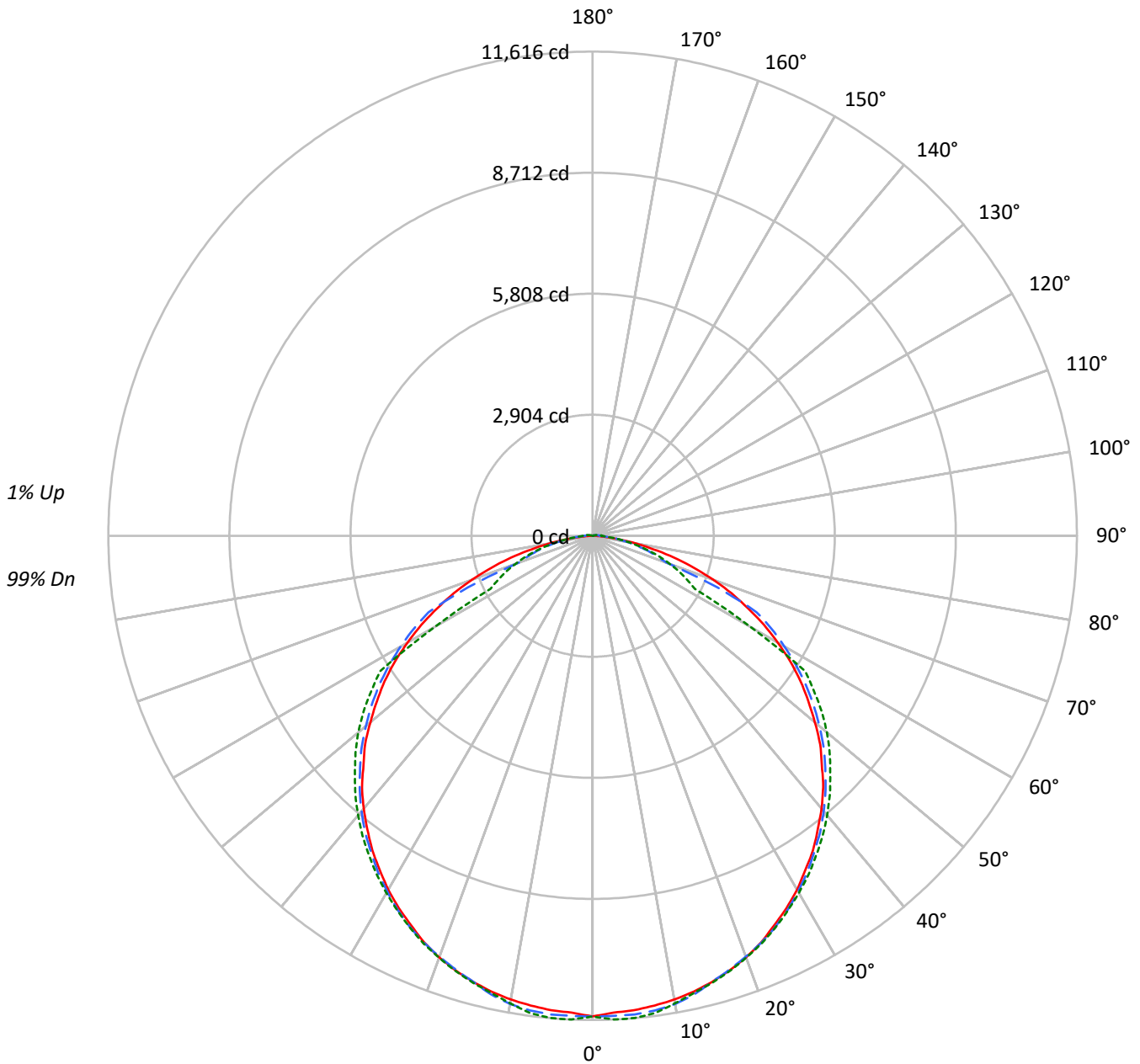
Test Method: LM-79-08  
Report Number: P830286  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-30SE-NL-UNV-L750-CD  
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 5000K LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32376.0 lumens  
Efficiency: N/A  
Efficacy: 186.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39  
Luminous Opening: Rectangular (W 1.67' x L: 3.78' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 174  
Input Voltage (V): NR  
Input Current (Ain): 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	111	111	111	106	106	106	102	102	102	99																			
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86	84																			
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73	71																			
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62	60																			
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53	51																			
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44																			
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39																			
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34																			
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30																			
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25																			

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

	0°	45°	90°
0°	19696	19696	19696
5°	19587	19764	19913
10°	19592	19778	19754
15°	19589	19586	19628
20°	19562	19533	19581
25°	19428	19527	19543
30°	19339	19438	19514
35°	19213	19319	19500
40°	19047	19228	19512
45°	18773	19056	19472
50°	18490	18867	19490
55°	18136	18606	19275
60°	17528	18150	15006
65°	16584	17548	10099
70°	15339	9316	9801
75°	13379	8853	9360
80°	10289	8121	8578
85°	5193	8207	8405



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1095.5	3.4
10°-20°	3136.8	9.7
20°-30°	4772.9	14.7
30°-40°	5803.2	17.9
40°-50°	6101.8	18.8
50°-60°	5571.7	17.2
60°-70°	3571.7	11.0
70°-80°	1687.2	5.2
80°-90°	467.9	1.4
90°-100°	123.9	0.4
100°-110°	33.9	0.1
110°-120°	9.4	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	9005.3	27.8
0°-40°	14808.5	45.7
0°-60°	26482.0	81.8
0°-90°	32208.8	99.5
90°-120°	167.2	0.5
90°-150°	167.2	0.5
90°-180°	167.0	0.5
0°-180°	32376.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	11532	11532	11532	11532	11532	
5°	11424	11469	11527	11590	11614	###
15°	11078	11161	11076	11092	11100	3128
25°	10309	10325	10362	10378	10370	4757
35°	9215	9160	9265	9378	9352	5759
45°	7772	7758	7889	8075	8061	6007
55°	6090	6044	6248	6457	6473	5432
65°	4104	4104	4342	2491	2499	4068
75°	2027	2066	1342	1412	1418	2137
85°	265	336	419	453	429	392
90°	0	113	186	220	217	12
95°	6	59	134	180	180	3
105°	10	22	32	32	30	10
115°	10	14	20	14	2	7
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CATALOG NUMBER: OHBL-30SE-NL-UNV-L750-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	11531.5	11531.5	11531.5	11531.5	11531.5
2.5°	11450.5	11489.1	11531.5	11586.1	11616.3
5°	11424.2	11468.7	11527.4	11590.2	11614.4
7.5°	11367.6	11430.2	11486.9	11531.5	11545.6
10°	11296.7	11371.7	11404.0	11400.0	11389.9
12.5°	11201.6	11280.6	11270.6	11223.9	11232.0
15°	11078.2	11161.1	11076.3	11092.3	11100.5
17.5°	10932.5	11013.5	10914.3	10946.7	10948.8
20°	10762.6	10823.3	10746.4	10772.7	10772.7
22.5°	10558.3	10600.7	10568.3	10586.6	10590.6
25°	10309.3	10325.4	10361.8	10378.1	10370.0
27.5°	10070.7	10050.3	10121.3	10159.6	10139.3
30°	9805.5	9773.1	9856.0	9918.8	9894.6
32.5°	9501.9	9481.8	9576.9	9651.7	9637.5
35°	9214.7	9160.0	9265.2	9378.5	9352.2
37.5°	8874.7	8842.3	8961.7	9081.2	9067.1
40°	8542.8	8488.2	8623.8	8765.4	8751.3
42.5°	8186.8	8121.9	8269.7	8439.8	8423.5
45°	7771.9	7757.7	7889.3	8075.4	8061.3
47.5°	7403.8	7332.9	7516.9	7697.1	7713.4
50°	6958.4	6932.3	7100.3	7318.8	7334.8
52.5°	6523.6	6505.4	6681.2	6901.9	6930.2
55°	6090.4	6043.9	6248.3	6456.7	6473.0
57.5°	5627.3	5578.6	5787.1	6013.7	6048.0
60°	5131.3	5084.8	5313.4	5524.0	4392.9
62.5°	4635.6	4603.3	4842.1	3429.7	2764.1
65°	4103.5	4103.5	4342.1	2490.8	2498.9
67.5°	3605.8	3573.5	3237.6	2237.8	2237.8
70°	3071.6	3083.8	1865.5	1960.8	1962.7
72.5°	2535.3	2579.9	1610.8	1687.4	1691.5
75°	2027.4	2066.0	1341.5	1412.4	1418.4
77.5°	1489.3	1145.2	1078.4	1133.2	1135.2
80°	1046.1	722.4	825.6	878.1	872.1
82.5°	611.0	505.8	605.0	643.5	641.4
85°	265.0	335.9	418.8	453.3	428.9
87.5°	84.8	208.4	260.9	281.3	279.1
90°	0.0	113.3	186.2	220.4	216.6
92.5°	0.0	88.9	162.0	202.4	204.4
95°	6.0	58.7	133.7	180.2	180.2
97.5°	4.1	42.4	95.1	141.6	145.7
100°	4.1	34.3	62.8	101.1	103.3
102.5°	10.1	28.3	38.3	64.7	66.8
105°	10.1	22.3	32.3	32.3	30.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	12.2	16.3	22.3	16.3	1.9
115°	10.1	14.1	20.1	14.1	1.9
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
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°	10.1	20.1	28.3	18.2	6.0
110°	12.2	18.2	24.2	16.3	1.9



(END OF REPORT)