

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: P828540

Luminaire Tested: **OHB-30SE-NL-UNV-L950-CD-UPL30**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P828540  
REPORT IS A COMBINATION OF REPORTS P826273 AND G3-2310-221-4  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHB-30SE-NL-UNV-L950-CD-UPL30  
Description:  
Light Source: -  
Ballast/Driver: -

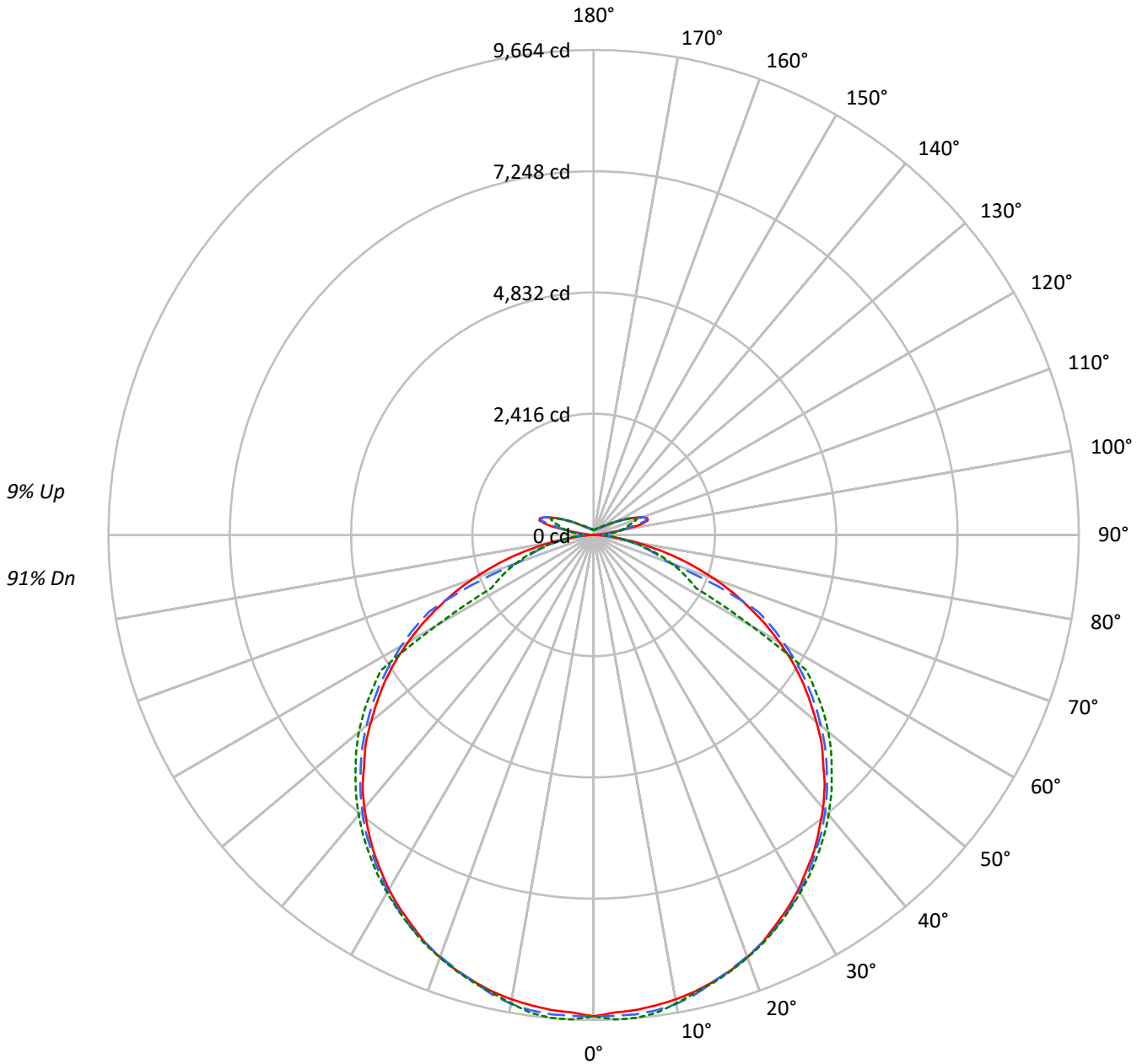
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29598.5 lumens  
Efficiency: N/A  
Efficacy: 144.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 1.67' x H: 0.1')  
CIE Type: Direct  
  
Input Watts (W): 204.2  
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				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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	93	93	93	91
1	107	103	99	95	103	99	96	92	93	91	88	88	86	83	83	81	79	79	79	79	77
2	98	90	83	78	94	87	81	76	82	77	73	77	73	70	73	70	67	67	67	67	64
3	89	79	71	65	86	77	69	64	72	66	61	68	63	59	65	61	57	57	57	57	54
4	82	70	61	55	79	68	60	54	64	58	52	61	55	51	58	53	49	49	49	49	47
5	75	62	54	47	72	61	53	47	58	51	45	55	49	44	52	47	43	43	43	43	40
6	69	56	47	41	67	55	47	41	52	45	40	49	43	38	47	42	37	37	37	37	35
7	64	51	42	36	62	50	42	36	47	40	35	45	39	34	43	37	33	33	33	33	31
8	60	46	38	32	58	45	37	32	43	36	31	41	35	30	39	34	30	30	30	30	28
9	56	42	34	29	54	41	34	29	40	33	28	38	32	27	36	31	27	27	27	27	25
10	52	39	31	26	50	38	31	26	37	30	25	35	29	25	34	28	24	24	24	24	22

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

	0°	45°	90°
0°	32048	32048	32048
5°	31704	31938	32256
10°	31546	31740	31852
15°	31370	31208	31502
20°	31151	30894	31272
25°	30753	30645	31050
30°	30413	30249	30832
35°	30002	29786	30620
40°	29507	29342	30428
45°	28817	28737	30125
50°	28078	28057	29872
55°	27181	27206	29207
60°	25837	25979	22410
65°	23908	24418	14792
70°	21427	12455	13964
75°	17787	11124	12766
80°	12492	9126	10793
85°	5013	7019	8594



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	911.4	3.1
10°-20°	2609.7	8.8
20°-30°	3970.9	13.4
30°-40°	4828.0	16.3
40°-50°	5076.4	17.2
50°-60°	4635.4	15.7
60°-70°	2971.5	10.0
70°-80°	1403.7	4.7
80°-90°	394.9	1.3
90°-100°	308.9	1.0
100°-110°	958.7	3.2
110°-120°	773.9	2.6
120°-130°	361.5	1.2
130°-140°	182.3	0.6
140°-150°	106.5	0.4
150°-160°	62.4	0.2
160°-170°	32.4	0.1
170°-180°	9.9	0.0
0°-30°	7492.0	25.3
0°-40°	12320.0	41.6
0°-60°	22031.8	74.4
0°-90°	26801.9	90.6
90°-120°	2041.5	6.9
90°-150°	2691.8	9.1
90°-180°	2797.0	9.4
0°-180°	29598.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9594	9594	9594	9594	9594	
5°	9504	9542	9590	9642	9663	904
15°	9216	9286	9215	9228	9235	2602
25°	8577	8590	8620	8634	8627	3958
35°	7666	7621	7708	7803	7781	4791
45°	6466	6454	6564	6718	6707	4998
55°	5067	5028	5198	5372	5385	4519
65°	3414	3414	3612	2072	2079	3385
75°	1687	1719	1116	1175	1180	1778
85°	220	279	348	377	357	326
90°	6	130	202	236	233	14
95°	54	149	233	304	315	182
105°	1119	1138	1060	802	708	1057
115°	775	779	783	781	755	774
125°	377	389	399	389	383	353
135°	222	226	231	236	236	175
145°	162	164	169	170	170	103
155°	130	132	134	136	136	61
165°	111	112	113	115	115	32
175°	101	102	102	103	103	10
180°	100	100	100	100	100	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	9593.7	9593.7	9593.7	9593.7	9593.7
2.5°	9526.3	9558.4	9593.7	9639.2	9664.3
5°	9504.4	9541.5	9590.3	9642.5	9662.7
7.5°	9457.4	9509.4	9556.6	9593.7	9605.4
10°	9398.3	9460.8	9487.6	9484.2	9475.9
12.5°	9319.2	9385.0	9376.6	9337.7	9344.5
15°	9216.5	9285.6	9215.0	9228.4	9235.1
17.5°	9095.3	9162.7	9080.2	9107.2	9108.9
20°	8954.1	9004.5	8940.5	8962.4	8962.4
22.5°	8784.0	8819.3	8792.4	8807.6	8811.0
25°	8576.9	8590.3	8620.5	8634.1	8627.3
27.5°	8378.4	8361.4	8420.4	8452.3	8435.4
30°	8157.7	8130.8	8199.8	8252.0	8231.9
32.5°	7905.2	7888.5	7967.6	8029.8	8018.0
35°	7666.2	7620.8	7708.2	7802.6	7780.6
37.5°	7383.3	7356.5	7455.7	7555.1	7543.4
40°	7107.3	7061.8	7174.7	7292.5	7280.6
42.5°	6811.1	6757.1	6880.0	7021.5	7008.0
45°	6465.8	6454.1	6563.5	6718.4	6706.6
47.5°	6159.7	6100.6	6253.7	6403.6	6417.2
50°	5789.1	5767.4	5907.1	6088.9	6102.3
52.5°	5427.3	5412.2	5558.5	5742.1	5765.5
55°	5066.9	5028.3	5198.3	5371.7	5385.3
57.5°	4681.6	4641.2	4814.5	5003.1	5031.6
60°	4269.1	4230.4	4420.5	4595.7	3654.7
62.5°	3856.6	3829.7	4028.4	2853.4	2299.7
65°	3413.9	3413.9	3612.5	2072.2	2079.0
67.5°	2999.9	2973.0	2693.5	1861.7	1861.7
70°	2555.4	2565.6	1552.0	1631.3	1632.9
72.5°	2109.3	2146.4	1340.1	1403.9	1407.3
75°	1686.7	1718.8	1116.0	1175.1	1180.0
77.5°	1239.0	952.8	897.2	942.8	944.4
80°	870.3	601.0	686.9	730.5	725.6
82.5°	508.3	420.8	503.3	535.4	533.6
85°	220.5	279.4	348.5	377.2	356.8
87.5°	70.6	173.5	217.1	234.0	232.2
90°	6.1	129.9	201.8	236.4	233.2
92.5°	18.3	118.3	192.1	238.8	242.2
95°	54.5	148.8	232.9	303.8	315.1
97.5°	306.0	336.1	340.0	421.2	458.5
100°	600.7	659.7	522.6	562.4	568.4
102.5°	950.8	983.4	781.4	674.6	650.3
105°	1118.6	1137.5	1059.9	802.5	707.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	900.5	910.8	916.7	900.4	867.5
115°	775.2	778.6	782.8	781.2	755.4
117.5°	646.9	651.2	653.0	646.0	639.0
120°	544.3	552.1	550.4	545.1	538.2
122.5°	454.7	467.8	472.1	462.5	454.7
125°	377.3	388.6	399.1	388.6	383.4
127.5°	320.0	327.8	335.6	334.7	330.4
130°	275.6	282.6	291.3	293.0	292.1
132.5°	245.2	251.3	257.4	260.0	259.1
135°	221.7	226.1	231.3	235.6	235.6
137.5°	200.8	206.9	211.3	214.8	214.8
140°	186.1	190.4	194.8	196.5	197.4
142.5°	173.0	176.5	180.8	182.6	183.5
145°	161.7	164.3	168.7	170.4	170.4
147.5°	151.3	154.8	158.2	160.0	160.0
150°	143.5	146.1	149.5	150.4	151.3
152.5°	136.5	138.2	140.8	142.6	142.6
155°	129.5	132.2	133.9	135.6	135.6
157.5°	124.3	126.1	127.8	128.7	129.5
160°	120.0	120.9	122.6	123.5	124.3
162.5°	114.8	116.5	117.4	118.2	119.1
165°	111.3	112.2	113.0	114.8	114.8
167.5°	107.8	108.7	109.6	110.4	110.4
170°	105.2	106.1	106.9	106.9	106.9
172.5°	102.6	103.5	104.3	104.3	104.3
175°	100.9	101.7	101.7	102.6	102.6
177.5°	100.0	100.9	100.9	100.9	101.7
180°	100.0	100.0	100.0	100.0	100.0



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	1117.8	1141.8	1107.8	964.6	832.7
110°	1027.4	1050.6	1033.9	983.0	910.1



(END OF REPORT)