

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: P828528

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

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P828528  
REPORT IS A COMBINATION OF REPORTS P826267 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-30HE-NL-UNV-L950-CD-UPL30  
Description:  
Light Source: -  
Ballast/Driver: -

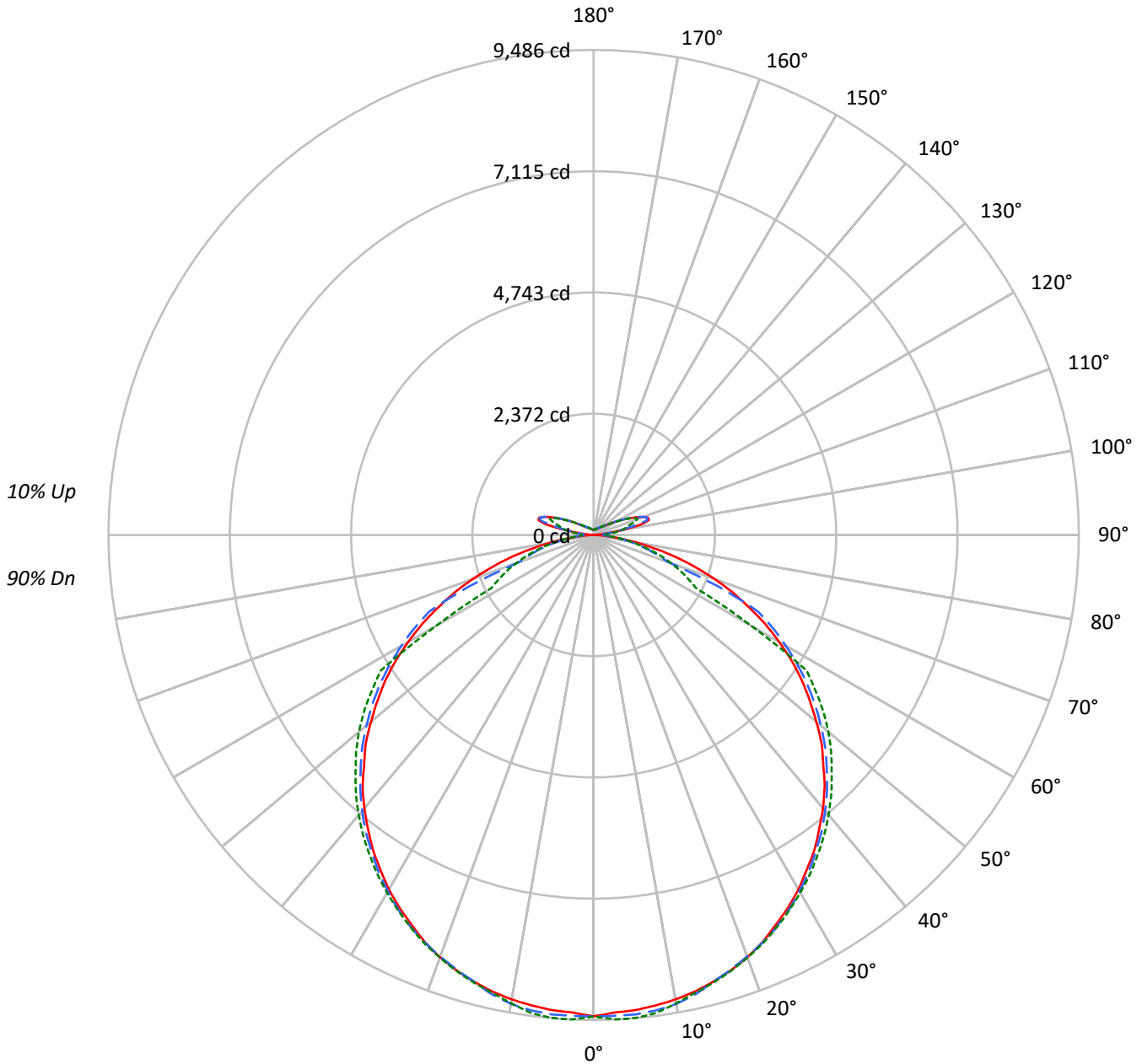
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29102.0 lumens  
Efficiency: N/A  
Efficacy: 151.4 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 1.8' x H: 0.1')  
CIE Type: Direct  
  
Input Watts (W): 192.2  
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				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	90
1	107	103	98	95	103	99	96	92	93	90	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	60	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	46
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	57	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°	29127	29127	29127
5°	28826	29036	29316
10°	28693	28864	28949
15°	28544	28387	28631
20°	28356	28110	28422
25°	28006	27892	28220
30°	27710	27540	28022
35°	27350	27129	27830
40°	26913	26734	27655
45°	26301	26194	27380
50°	25646	25588	27149
55°	24849	24826	26545
60°	23647	23725	20367
65°	21915	22321	13444
70°	19680	11401	12691
75°	16388	10203	11603
80°	11570	8398	9809
85°	4697	6501	7811



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	894.6	3.1
10°-20°	2561.6	8.8
20°-30°	3897.7	13.4
30°-40°	4739.0	16.3
40°-50°	4982.9	17.1
50°-60°	4550.0	15.6
60°-70°	2916.8	10.0
70°-80°	1377.8	4.7
80°-90°	387.7	1.3
90°-100°	307.0	1.1
100°-110°	958.2	3.3
110°-120°	773.7	2.7
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°	7353.9	25.3
0°-40°	12092.9	41.6
0°-60°	21625.7	74.3
0°-90°	26308.1	90.4
90°-120°	2038.9	7.0
90°-150°	2689.2	9.2
90°-180°	2794.0	9.6
0°-180°	29102.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9417	9417	9417	9417	9417	
5°	9329	9366	9414	9465	9485	887
15°	9047	9114	9045	9058	9065	2554
25°	8419	8432	8462	8475	8468	3885
35°	7525	7480	7566	7659	7637	4703
45°	6347	6335	6442	6595	6583	4906
55°	4974	4936	5102	5273	5286	4436
65°	3351	3351	3546	2034	2041	3322
75°	1656	1687	1096	1153	1158	1745
85°	216	274	342	370	350	320
90°	6	128	199	233	230	14
95°	54	148	231	301	312	182
105°	1118	1137	1059	802	707	1057
115°	775	778	782	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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CATALOG NUMBER: OHB-30HE-NL-UNV-L950-CD-UPL30

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	9416.9	9416.9	9416.9	9416.9	9416.9
2.5°	9350.7	9382.3	9416.9	9461.5	9486.2
5°	9329.2	9365.6	9413.6	9464.8	9484.6
7.5°	9283.1	9334.1	9380.5	9416.9	9428.4
10°	9225.2	9286.4	9312.8	9309.5	9301.2
12.5°	9147.4	9212.0	9203.8	9165.7	9172.3
15°	9046.7	9114.4	9045.1	9058.2	9064.9
17.5°	8927.7	8993.9	8912.8	8939.3	8941.0
20°	8789.0	8838.5	8775.7	8797.2	8797.2
22.5°	8622.1	8656.7	8630.4	8645.2	8648.5
25°	8418.8	8432.0	8461.7	8475.0	8468.3
27.5°	8224.0	8207.3	8265.2	8296.6	8279.9
30°	8007.4	7981.0	8048.6	8099.9	8080.2
32.5°	7759.4	7743.0	7820.7	7881.8	7870.2
35°	7524.9	7480.3	7566.2	7658.7	7637.2
37.5°	7247.3	7220.8	7318.3	7415.9	7404.4
40°	6976.2	6931.6	7042.4	7158.0	7146.5
42.5°	6685.5	6632.6	6753.2	6892.1	6878.9
45°	6346.7	6335.1	6442.5	6594.6	6583.0
47.5°	6046.1	5988.2	6138.5	6285.6	6298.9
50°	5682.4	5661.0	5798.2	5976.6	5989.8
52.5°	5327.3	5312.4	5456.0	5636.3	5659.3
55°	4973.6	4935.6	5102.5	5272.7	5286.0
57.5°	4595.4	4555.6	4725.9	4911.0	4938.9
60°	4190.4	4152.4	4339.0	4511.0	3587.3
62.5°	3785.6	3759.1	3954.1	2800.8	2257.3
65°	3351.0	3351.0	3545.9	2034.1	2040.7
67.5°	2944.6	2918.2	2643.9	1827.4	1827.4
70°	2508.3	2518.3	1523.4	1601.3	1602.8
72.5°	2070.4	2106.8	1315.4	1378.0	1381.3
75°	1655.6	1687.2	1095.5	1153.4	1158.3
77.5°	1216.2	935.3	880.7	925.4	927.0
80°	854.2	589.9	674.3	717.1	712.2
82.5°	498.9	413.1	494.0	525.5	523.8
85°	216.4	274.3	342.0	370.2	350.2
87.5°	69.3	170.2	213.1	229.7	228.0
90°	6.1	128.2	199.0	233.0	229.9
92.5°	18.3	116.9	189.6	235.7	239.1
95°	54.4	147.9	230.9	301.0	312.3
97.5°	305.9	335.4	338.5	419.1	456.3
100°	600.6	659.2	521.7	560.8	566.9
102.5°	950.7	983.0	780.8	673.6	649.3
105°	1118.5	1137.1	1059.3	802.0	707.4



TEST NUMBER: P828528

CATALOG NUMBER: OHB-30HE-NL-UNV-L950-CD-UPL30

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	900.3	910.6	916.3	900.1	867.5
115°	775.1	778.4	782.4	781.0	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°	1117.7	1141.5	1107.3	964.3	832.6
110°	1027.2	1050.4	1033.5	982.7	910.1



(END OF REPORT)