

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: P828526

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

Issue Date: 5/3/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P828526  
REPORT IS A COMBINATION OF REPORTS P826266 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-N-UNV-L950-CD-UPL30  
Description:  
Light Source: -  
Ballast/Driver: -

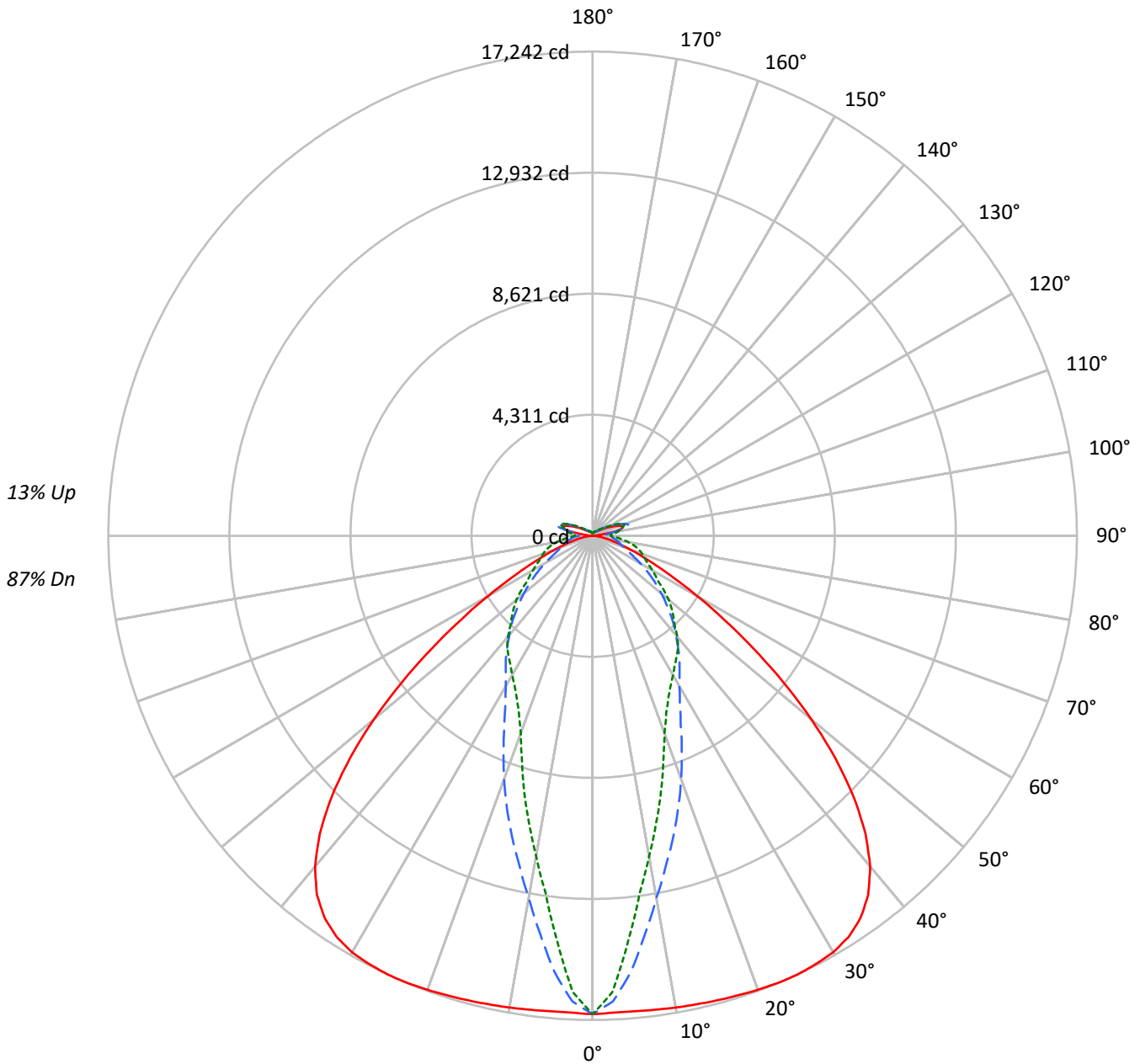
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27802.2 lumens  
Efficiency: N/A  
Efficacy: 144.7 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78  
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 1.8' x H: 0.17')  
CIE Type: Semi-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

TEST NUMBER: P828526  
CATALOG NUMBER: OHB-30HE-N-UNV-L950-CD-UPL30

### 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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	90	90	90	87																			
1	107	102	98	95	103	99	95	92	92	89	87	86	84	82	81	79	77	75																			
2	98	91	84	79	94	88	82	77	82	78	74	77	73	70	72	69	67	64																			
3	90	81	73	68	87	78	72	66	74	68	64	69	65	61	65	62	58	56																			
4	83	73	65	59	80	71	63	58	67	60	56	63	58	53	59	55	51	49																			
5	77	66	58	52	74	64	56	51	60	54	49	57	52	47	54	50	46	44																			
6	72	60	52	46	69	58	51	45	55	49	44	52	47	43	50	45	41	39																			
7	67	55	47	41	65	53	46	41	51	44	39	48	43	38	46	41	37	35																			
8	63	50	43	37	61	49	42	37	47	40	36	45	39	35	43	38	34	32																			
9	59	47	39	34	57	46	38	34	44	37	33	42	36	32	40	35	31	29																			
10	55	43	36	31	54	42	35	31	41	34	30	39	33	29	37	32	29	27																			

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

	0°	45°	90°
0°	52685	52685	52685
5°	52356	47877	44662
10°	52723	40243	35854
15°	53522	34344	29464
20°	54780	28975	23861
25°	56409	23928	20935
30°	58066	20564	19475
35°	58951	18692	18583
40°	57590	16836	17659
45°	52616	15165	16379
50°	44035	13348	15407
55°	33138	11640	13746
60°	22945	9930	13202
65°	15195	8493	12977
70°	10156	7900	13689
75°	6824	8042	14745
80°	4450	8728	15379
85°	2320	10517	16546



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1433.8	5.2
10°-20°	3373.0	12.1
20°-30°	4228.0	15.2
30°-40°	4486.4	16.1
40°-50°	4056.4	14.6
50°-60°	2941.2	10.6
60°-70°	1845.7	6.6
70°-80°	1221.4	4.4
80°-90°	709.3	2.6
90°-100°	546.7	2.0
100°-110°	1165.8	4.2
110°-120°	911.3	3.3
120°-130°	431.8	1.6
130°-140°	214.6	0.8
140°-150°	124.2	0.4
150°-160°	70.1	0.3
160°-170°	32.4	0.1
170°-180°	9.9	0.0
0°-30°	9034.8	32.5
0°-40°	13521.3	48.6
0°-60°	20518.8	73.8
0°-90°	24295.4	87.4
90°-120°	2623.8	9.4
90°-150°	3394.4	12.2
90°-180°	3507.0	12.6
0°-180°	27802.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	17033	17033	17033	17033	17033	
5°	16999	16563	15590	14867	14493	###
15°	17129	13961	11088	9861	9414	4858
25°	17242	10795	7425	6590	6381	7966
35°	16625	7177	5389	5220	5218	10335
45°	13142	4546	3905	3999	4067	10012
55°	6958	2818	2548	2764	2863	6287
65°	2488	1634	1475	1890	2101	2589
75°	768	880	990	1538	1631	857
85°	135	365	725	1008	926	161
90°	6	188	467	645	650	13
95°	56	207	491	656	690	185
105°	1123	1190	1302	1132	1049	1061
115°	785	817	948	996	986	786
125°	397	415	492	505	498	370
135°	238	246	272	299	299	188
145°	181	185	193	208	206	114
155°	149	156	160	163	160	67
165°	111	112	113	115	115	32
175°	101	102	102	103	103	10
180°	100	100	100	100	100	



TEST NUMBER: P828526

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

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	17033.1	17033.1	17033.1	17033.1	17033.1
2.5°	16997.5	16900.2	16597.0	16412.2	16256.6
5°	16999.0	16563.0	15590.3	14867.2	14492.8
7.5°	17023.4	16053.9	14301.5	13246.2	12834.4
10°	17060.7	15423.3	13098.6	11973.6	11589.3
12.5°	17088.2	14713.3	12040.1	10884.2	10462.7
15°	17128.8	13961.1	11088.5	9861.2	9413.8
17.5°	17166.1	13252.7	10148.2	8865.9	8368.2
20°	17203.3	12489.1	9207.9	7886.7	7476.6
22.5°	17239.0	11683.4	8290.4	7126.4	6846.0
25°	17242.2	10795.0	7424.7	6589.9	6380.8
27.5°	17200.0	9874.2	6722.8	6140.8	6011.1
30°	17127.1	8981.0	6178.1	5816.6	5724.2
32.5°	16945.6	8069.9	5756.6	5503.7	5450.2
35°	16624.6	7176.7	5388.6	5220.0	5218.4
37.5°	16118.8	6384.0	4989.8	4960.6	4996.3
40°	15371.4	5690.2	4612.1	4689.9	4689.9
42.5°	14374.4	5087.0	4270.0	4349.5	4328.4
45°	13142.4	4545.6	3905.3	3999.3	4067.3
47.5°	11714.2	4069.0	3532.4	3714.0	3808.0
50°	10161.2	3615.1	3192.0	3423.8	3530.8
52.5°	8533.6	3195.2	2859.7	3125.5	3211.5
55°	6957.8	2817.5	2548.4	2764.0	2862.9
57.5°	5531.2	2457.7	2243.6	2447.9	2652.2
60°	4304.1	2148.0	1956.7	2248.5	2452.8
62.5°	3287.6	1872.3	1687.6	2062.1	2266.3
65°	2488.4	1634.1	1475.2	1890.3	2101.0
67.5°	1875.7	1428.2	1309.9	1765.4	1971.3
70°	1408.8	1228.8	1177.0	1687.6	1872.3
72.5°	1040.7	1045.6	1071.6	1619.5	1760.5
75°	768.4	880.2	990.5	1538.5	1630.8
77.5°	549.6	729.5	917.5	1441.2	1473.6
80°	381.0	595.0	841.4	1313.1	1285.6
82.5°	238.3	476.6	773.3	1172.1	1095.8
85°	134.6	364.7	724.7	1008.3	925.7
87.5°	60.0	272.3	633.8	786.2	734.3
90°	6.1	188.1	466.8	644.8	649.6
92.5°	21.5	170.8	444.8	611.9	629.8
95°	56.1	207.0	491.3	656.4	690.4
97.5°	310.7	394.8	607.7	770.3	823.7
100°	607.0	715.6	789.7	907.8	928.3
102.5°	953.9	1037.7	1042.9	1011.5	998.4
105°	1123.2	1190.3	1302.0	1132.2	1048.9



TEST NUMBER: P828526

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

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	906.5	952.4	1100.8	1143.0	1130.2
115°	784.7	817.1	947.5	996.4	985.6
117.5°	666.3	694.9	811.8	845.4	840.1
120°	563.7	591.0	686.5	715.4	708.4
122.5°	474.2	500.2	585.6	603.6	594.2
125°	396.8	414.6	491.5	505.3	498.5
127.5°	337.8	348.8	410.2	432.0	426.0
130°	293.4	303.6	351.3	375.7	374.8
132.5°	261.4	270.7	306.0	331.3	330.4
135°	237.9	245.5	271.8	298.8	298.8
137.5°	217.0	228.0	245.4	269.9	269.9
140°	202.2	209.9	224.0	245.1	246.0
142.5°	190.8	196.0	206.8	224.8	225.6
145°	181.2	185.4	193.0	207.7	206.1
147.5°	170.8	177.5	182.6	192.4	190.8
150°	162.9	170.4	173.9	179.6	178.8
152.5°	156.0	162.6	165.2	170.2	168.5
155°	149.0	156.5	159.8	163.2	160.0
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°	1122.4	1191.5	1330.6	1268.8	1158.4
110°	1031.9	1095.5	1239.1	1254.8	1205.2



(END OF REPORT)