

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: P828670

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

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P828670  
REPORT IS A COMBINATION OF REPORTS P826278 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: OHBL-30HE-N-UNV-L950-CD-UPL30  
Description:  
Light Source: -  
Ballast/Driver: -

**Summary**

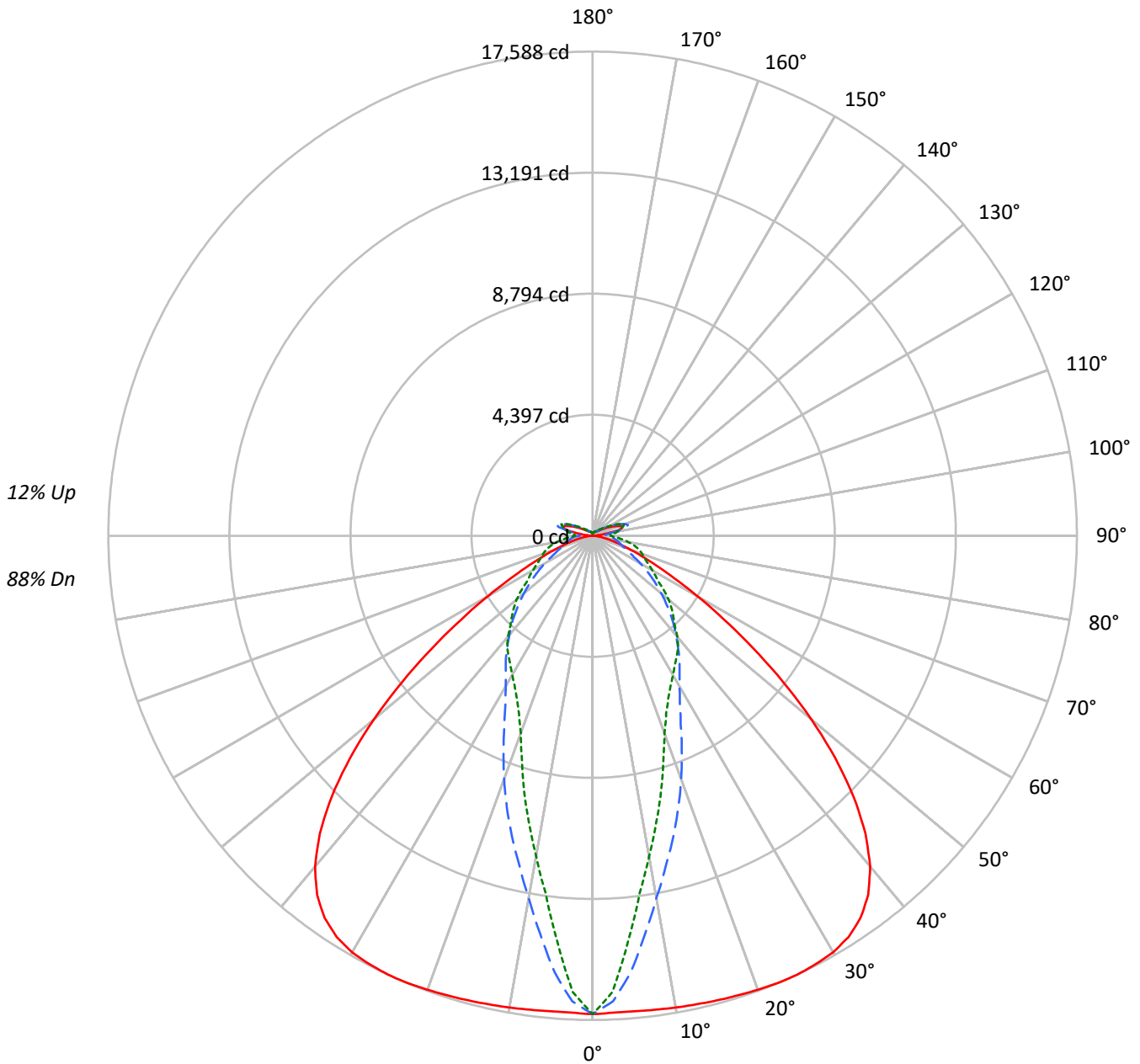
Lumens per Lamp: N/A  
Luminaire Lumens: 28306.4 lumens  
Efficiency: N/A  
Efficacy: 151.4 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')  
CIE Type: Semi-Direct

Input Watts (W): 187  
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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	91	91	91	88																			
1	107	102	98	95	103	99	95	92	92	89	87	86	84	82	81	79	78	75																			
2	98	91	84	79	94	88	82	77	82	78	74	77	74	70	73	70	67	64																			
3	90	81	74	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	54	59	55	52	49																			
5	77	66	58	52	75	64	56	51	61	54	49	57	52	48	54	50	46	44																			
6	72	60	52	46	69	58	51	45	55	49	44	53	47	43	50	45	41	39																			
7	67	55	47	41	65	53	46	41	51	44	40	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	56	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°	27478	27478	27478
5°	27306	25035	23379
10°	27498	21097	18838
15°	27914	18051	15539
20°	28570	15270	12633
25°	29420	12646	11129
30°	30284	10900	10398
35°	30746	9939	9969
40°	30036	8984	9524
45°	27442	8124	8888
50°	22967	7183	8419
55°	17283	6298	7575
60°	11967	5408	7352
65°	7925	4664	7327
70°	5297	4386	7877
75°	3559	4537	8729
80°	2320	5048	9554
85°	1210	6373	11392



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1462.6	5.2
10°-20°	3440.7	12.2
20°-30°	4312.8	15.2
30°-40°	4576.4	16.2
40°-50°	4137.8	14.6
50°-60°	3000.2	10.6
60°-70°	1882.7	6.7
70°-80°	1246.0	4.4
80°-90°	723.5	2.6
90°-100°	553.5	2.0
100°-110°	1170.5	4.1
110°-120°	914.2	3.2
120°-130°	433.2	1.5
130°-140°	215.2	0.8
140°-150°	124.6	0.4
150°-160°	70.3	0.2
160°-170°	32.4	0.1
170°-180°	9.9	0.0
0°-30°	9216.1	32.6
0°-40°	13792.5	48.7
0°-60°	20930.4	73.9
0°-90°	24782.6	87.6
90°-120°	2638.2	9.3
90°-150°	3411.2	12.1
90°-180°	3524.0	12.4
0°-180°	28306.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	17375	17375	17375	17375	17375	
5°	17340	16895	15903	15166	14784	###
15°	17472	14241	11311	10059	9603	4955
25°	17588	11012	7574	6722	6509	8125
35°	16958	7321	5497	5325	5323	10542
45°	13406	4637	3984	4080	4149	10213
55°	7097	2874	2600	2819	2920	6413
65°	2538	1667	1505	1928	2143	2641
75°	784	898	1010	1569	1664	874
85°	137	372	739	1029	944	165
90°	6	191	475	657	662	13
95°	56	209	499	666	701	185
105°	1124	1192	1307	1139	1056	1062
115°	785	818	951	1001	990	786
125°	397	415	493	508	501	370
135°	238	246	273	300	300	188
145°	182	186	194	208	207	115
155°	149	157	160	164	160	67
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°	17374.8	17374.8	17374.8	17374.8	17374.8
2.5°	17338.4	17239.2	16929.9	16741.4	16582.7
5°	17340.0	16895.2	15903.0	15165.5	14783.5
7.5°	17364.8	16376.0	14588.4	13511.9	13091.8
10°	17402.9	15732.7	13361.4	12213.8	11821.8
12.5°	17431.0	15008.4	12281.6	11102.5	10672.6
15°	17472.4	14241.2	11310.9	10059.0	9602.7
17.5°	17510.4	13518.5	10351.8	9043.7	8536.1
20°	17548.4	12739.6	9392.7	8045.0	7626.6
22.5°	17584.8	11917.7	8456.7	7269.4	6983.3
25°	17588.1	11011.6	7573.6	6722.0	6508.7
27.5°	17545.1	10072.3	6857.7	6264.0	6131.7
30°	17470.7	9161.2	6302.0	5933.3	5839.0
32.5°	17285.5	8231.8	5872.1	5614.1	5559.5
35°	16958.1	7320.6	5496.7	5324.7	5323.1
37.5°	16442.2	6512.1	5089.9	5060.2	5096.5
40°	15679.8	5804.2	4704.6	4783.9	4783.9
42.5°	14662.8	5189.1	4355.7	4436.7	4415.2
45°	13406.1	4636.8	3983.6	4079.5	4149.0
47.5°	11949.2	4150.6	3603.2	3788.5	3884.4
50°	10365.0	3687.6	3256.0	3492.5	3601.6
52.5°	8704.7	3259.3	2917.0	3188.3	3275.9
55°	7097.4	2874.0	2599.6	2819.4	2920.3
57.5°	5642.2	2507.0	2288.6	2497.0	2705.4
60°	4390.4	2191.1	1996.0	2293.6	2501.9
62.5°	3353.5	1909.9	1721.4	2103.4	2311.8
65°	2538.3	1666.9	1504.8	1928.2	2143.1
67.5°	1913.3	1456.8	1336.2	1800.8	2010.9
70°	1437.0	1253.5	1200.5	1721.4	1909.9
72.5°	1061.7	1066.6	1093.1	1651.9	1795.8
75°	783.8	898.0	1010.4	1569.3	1663.6
77.5°	560.6	744.2	936.0	1470.1	1503.2
80°	388.6	606.9	858.2	1339.5	1311.3
82.5°	243.1	486.2	788.8	1195.6	1117.8
85°	137.3	372.0	739.2	1028.6	944.2
87.5°	61.2	277.8	646.6	802.0	749.1
90°	6.1	191.1	475.2	656.6	661.6
92.5°	21.6	173.4	452.6	622.8	641.0
95°	56.2	209.1	498.7	666.5	700.9
97.5°	310.8	396.7	614.7	779.7	833.4
100°	607.2	717.2	796.2	916.4	937.3
102.5°	954.0	1039.2	1048.8	1019.3	1006.5
105°	1123.5	1191.7	1307.4	1139.3	1056.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	906.8	953.5	1104.8	1148.1	1135.5
115°	785.0	818.1	951.2	1001.0	990.3
117.5°	666.7	695.9	815.0	849.4	844.1
120°	564.1	591.7	689.3	718.8	711.8
122.5°	474.5	500.8	587.8	606.4	597.0
125°	397.2	415.1	493.3	507.7	500.8
127.5°	338.1	349.3	411.7	433.9	427.9
130°	293.8	304.0	352.5	377.3	376.5
132.5°	261.7	271.1	307.0	332.7	331.9
135°	238.2	245.9	272.6	300.1	300.1
137.5°	217.4	228.4	246.0	271.0	271.0
140°	202.6	210.2	224.5	246.1	247.0
142.5°	191.2	196.3	207.3	225.6	226.5
145°	181.5	185.8	193.5	208.4	206.8
147.5°	171.1	177.9	183.0	193.0	191.4
150°	163.3	170.8	174.3	180.1	179.4
152.5°	156.3	163.0	165.6	170.7	169.0
155°	149.4	156.9	160.3	163.7	160.4
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°	1122.6	1192.9	1335.6	1275.2	1165.1
110°	1032.1	1096.7	1243.7	1260.4	1211.2



(END OF REPORT)