

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: P827772

Luminaire Tested: **OHBL-30HE-NL-UNV-L930-CD-UPL30**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P827772  
REPORT IS A COMBINATION OF REPORTS P826279 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-NL-UNV-L930-CD-UPL30  
Description:  
Light Source: -  
Ballast/Driver: -

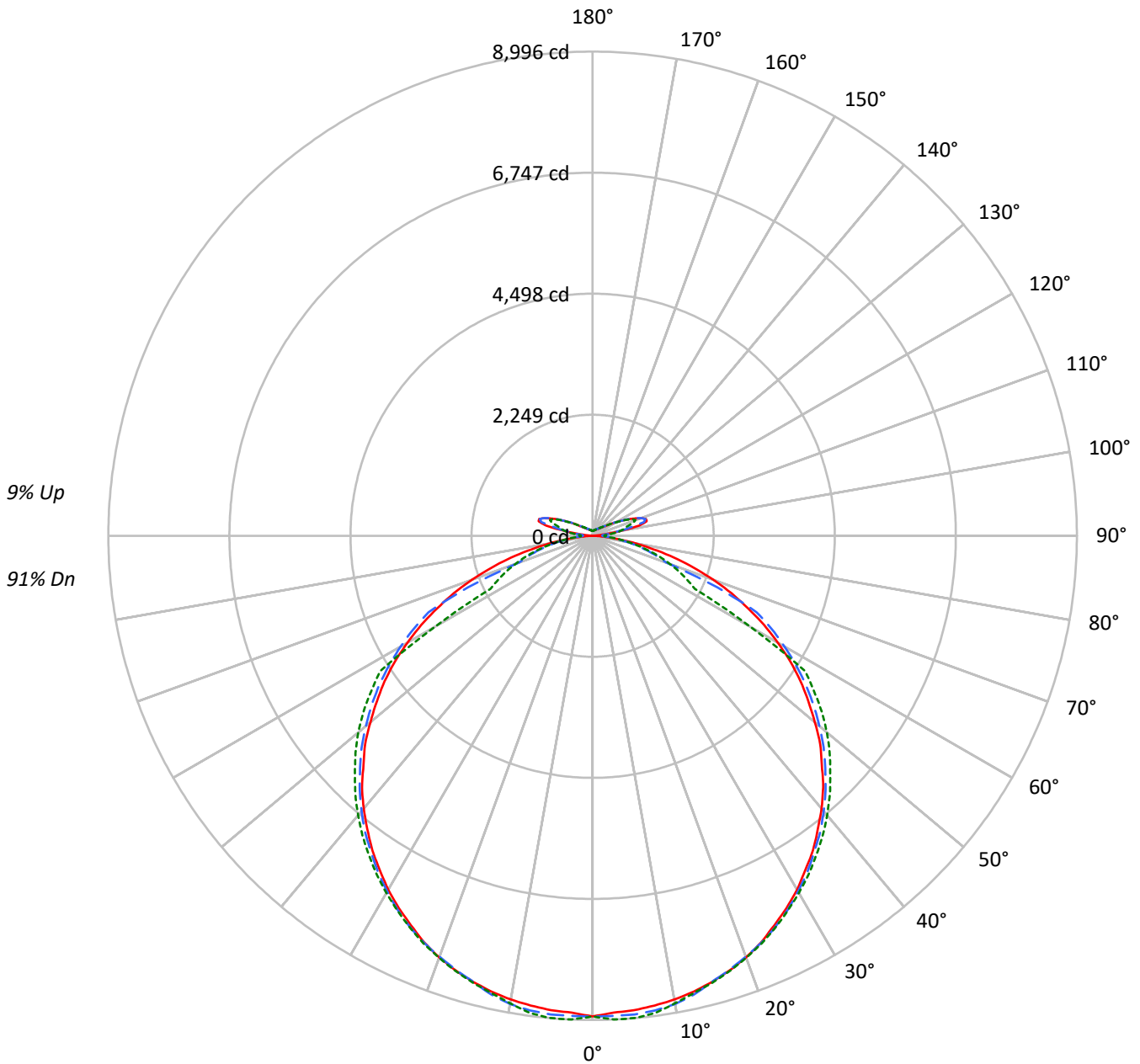
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27549.5 lumens  
Efficiency: N/A  
Efficacy: 147.3 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.1')  
CIE Type: 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

TEST NUMBER: P827772

CATALOG NUMBER: OHBL-30HE-NL-UNV-L930-CD-UPL30

### Luminous Intensity Polar Plot





TEST NUMBER: P827772

CATALOG NUMBER: OHBL-30HE-NL-UNV-L930-CD-UPL30

**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°	14124	14124	14124
5°	13978	14101	14246
10°	13913	14039	14099
15°	13841	13830	13976
20°	13750	13717	13907
25°	13580	13634	13843
30°	13436	13487	13783
35°	13262	13313	13729
40°	13050	13148	13688
45°	12753	12916	13603
50°	12435	12654	13549
55°	12049	12322	13319
60°	11466	11828	10289
65°	10626	11192	6853
70°	9543	5762	6553
75°	7946	5219	6109
80°	5610	4382	5349
85°	2277	3540	4627



TEST NUMBER: P827772

CATALOG NUMBER: OHBL-30HE-NL-UNV-L930-CD-UPL30

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	848.4	3.1
10°-20°	2429.3	8.8
20°-30°	3696.4	13.4
30°-40°	4494.3	16.3
40°-50°	4725.6	17.2
50°-60°	4315.0	15.7
60°-70°	2766.1	10.0
70°-80°	1306.7	4.7
80°-90°	367.6	1.3
90°-100°	287.3	1.0
100°-110°	891.4	3.2
110°-120°	719.5	2.6
120°-130°	336.1	1.2
130°-140°	169.5	0.6
140°-150°	99.1	0.4
150°-160°	58.1	0.2
160°-170°	30.1	0.1
170°-180°	9.2	0.0
0°-30°	6974.2	25.3
0°-40°	11468.5	41.6
0°-60°	20509.0	74.4
0°-90°	24949.4	90.6
90°-120°	1898.1	6.9
90°-150°	2502.7	9.1
90°-180°	2600.0	9.4
0°-180°	27549.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8931	8931	8931	8931	8931	
5°	8848	8882	8928	8976	8995	841
15°	8580	8644	8578	8590	8597	2422
25°	7984	7996	8025	8037	8031	3684
35°	7136	7094	7176	7263	7243	4460
45°	6019	6008	6110	6254	6243	4652
55°	4717	4681	4839	5000	5013	4207
65°	3178	3178	3363	1929	1935	3151
75°	1570	1600	1039	1094	1098	1655
85°	205	260	324	351	332	303
90°	6	121	188	220	217	13
95°	51	138	217	283	293	169
105°	1040	1058	985	746	658	983
115°	721	724	728	726	702	720
125°	351	361	371	361	356	328
135°	206	210	215	219	219	163
145°	150	153	157	158	158	96
155°	120	123	124	126	126	56
165°	104	104	105	107	107	30
175°	94	95	95	95	95	9
180°	93	93	93	93	93	



TEST NUMBER: P827772

CATALOG NUMBER: OHBL-30HE-NL-UNV-L930-CD-UPL30

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	8930.6	8930.6	8930.6	8930.6	8930.6
2.5°	8867.9	8897.7	8930.6	8972.9	8996.3
5°	8847.5	8882.0	8927.5	8976.1	8994.8
7.5°	8803.7	8852.1	8896.1	8930.6	8941.5
10°	8748.8	8806.9	8831.8	8828.7	8820.9
12.5°	8675.1	8736.3	8728.5	8692.3	8698.6
15°	8579.6	8643.8	8578.0	8590.5	8596.8
17.5°	8466.7	8529.5	8452.7	8477.6	8479.3
20°	8335.1	8382.1	8322.5	8343.0	8343.0
22.5°	8176.9	8209.8	8184.7	8198.8	8201.9
25°	7984.1	7996.5	8024.7	8037.3	8031.0
27.5°	7799.3	7783.5	7838.4	7868.2	7852.4
30°	7593.9	7568.8	7633.0	7681.7	7662.9
32.5°	7358.8	7343.2	7416.9	7474.7	7463.8
35°	7136.3	7094.0	7175.5	7263.3	7242.8
37.5°	6873.0	6848.0	6940.4	7033.0	7022.0
40°	6616.0	6573.7	6678.8	6788.4	6777.5
42.5°	6340.3	6290.0	6404.5	6536.3	6523.7
45°	6018.9	6008.0	6109.9	6254.0	6243.1
47.5°	5733.9	5679.0	5821.5	5961.1	5973.7
50°	5389.0	5368.8	5498.8	5668.0	5680.5
52.5°	5052.2	5038.1	5174.3	5345.2	5367.1
55°	4716.7	4680.7	4839.0	5000.4	5013.0
57.5°	4358.0	4320.4	4481.8	4657.4	4683.9
60°	3973.9	3938.0	4115.0	4278.1	3402.1
62.5°	3590.1	3565.0	3750.0	2656.2	2140.7
65°	3178.0	3178.0	3362.7	1929.0	1935.3
67.5°	2792.5	2767.5	2507.4	1733.1	1733.1
70°	2378.8	2388.2	1444.7	1518.5	1520.1
72.5°	1963.5	1998.0	1247.4	1306.8	1310.0
75°	1570.1	1600.0	1038.9	1093.8	1098.4
77.5°	1153.4	886.9	835.2	877.6	879.1
80°	810.1	559.4	639.4	680.1	675.4
82.5°	473.2	391.7	468.5	498.4	496.7
85°	205.2	260.1	324.4	351.1	332.1
87.5°	65.7	161.4	202.1	217.8	216.1
90°	5.7	120.9	187.9	220.0	217.0
92.5°	17.0	110.1	178.8	222.3	225.4
95°	50.7	138.4	216.7	282.6	293.1
97.5°	284.5	312.5	316.1	391.8	426.5
100°	558.5	613.4	485.9	522.9	528.6
102.5°	884.0	914.3	726.4	627.3	604.6
105°	1040.0	1057.5	985.4	746.1	658.1



TEST NUMBER: P827772

CATALOG NUMBER: OHBL-30HE-NL-UNV-L930-CD-UPL30

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	837.2	846.8	852.2	837.1	806.6
115°	720.7	723.9	727.7	726.3	702.3
117.5°	601.4	605.4	607.1	600.6	594.1
120°	506.0	513.3	511.7	506.8	500.4
122.5°	422.8	434.9	438.9	430.0	422.8
125°	350.8	361.3	371.0	361.3	356.5
127.5°	297.5	304.7	312.0	311.2	307.2
130°	256.2	262.7	270.8	272.4	271.6
132.5°	228.0	233.6	239.3	241.7	240.9
135°	206.1	210.2	215.0	219.1	219.1
137.5°	186.7	192.4	196.4	199.7	199.7
140°	173.0	177.0	181.1	182.7	183.5
142.5°	160.9	164.1	168.1	169.8	170.6
145°	150.4	152.8	156.8	158.4	158.4
147.5°	140.6	143.9	147.1	148.7	148.7
150°	133.4	135.8	139.0	139.8	140.6
152.5°	126.9	128.5	131.0	132.6	132.6
155°	120.4	122.9	124.5	126.1	126.1
157.5°	115.6	117.2	118.8	119.6	120.4
160°	111.6	112.4	114.0	114.8	115.6
162.5°	106.7	108.3	109.1	109.9	110.7
165°	103.5	104.3	105.1	106.7	106.7
167.5°	100.2	101.0	101.9	102.7	102.7
170°	97.8	98.6	99.4	99.4	99.4
172.5°	95.4	96.2	97.0	97.0	97.0
175°	93.8	94.6	94.6	95.4	95.4
177.5°	93.0	93.8	93.8	93.8	94.6
180°	93.0	93.0	93.0	93.0	93.0



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	1039.2	1061.6	1029.9	896.8	774.1
110°	955.2	976.8	961.3	913.9	846.2



(END OF REPORT)