

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: P827771

Luminaire Tested: **OHBL-30HE-NL-UNV-L930-CD-UPL15**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P827771  
REPORT IS A COMBINATION OF REPORTS P826123 AND G3-2310-221-10  
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-UPL15  
Description:  
Light Source: -  
Ballast/Driver: -

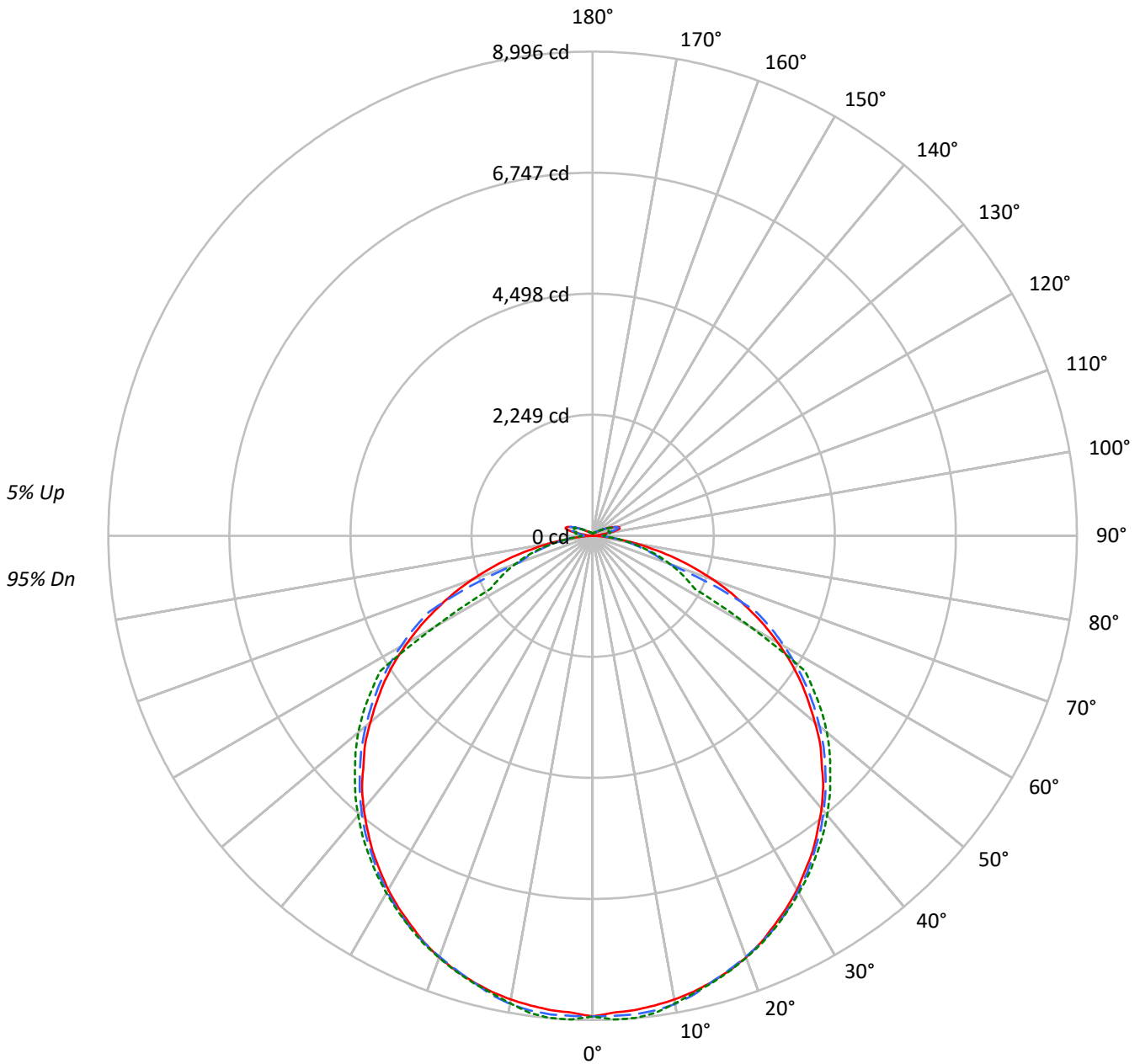
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26301.6 lumens  
Efficiency: N/A  
Efficacy: 151.1 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): 174.1  
Input Voltage (V): NR  
Input Current (Ain): 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	118	118	118	118	114	114	114	114	108	108	108	103	103	103	97	97	97	95																			
1	108	104	99	96	105	101	97	94	96	93	90	91	88	86	86	85	83	80																			
2	99	91	84	79	95	88	82	77	84	79	75	80	76	72	76	73	70	67																			
3	90	80	72	65	87	78	70	65	74	68	63	71	65	61	67	63	59	57																			
4	82	71	62	56	80	69	61	55	66	59	54	63	57	52	60	55	51	49																			
5	76	63	54	48	73	62	53	47	59	52	46	56	50	45	54	49	44	42																			
6	70	57	48	42	68	56	47	41	53	46	41	51	45	40	49	43	39	37																			
7	65	51	43	37	63	50	42	36	48	41	36	46	40	35	45	39	35	33																			
8	60	47	38	33	58	46	38	32	44	37	32	43	36	31	41	35	31	29																			
9	56	43	35	29	55	42	34	29	41	34	29	39	33	28	38	32	28	26																			
10	53	40	32	27	51	39	31	26	38	31	26	36	30	26	35	29	25	24																			

**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



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	848.4	3.2
10°-20°	2429.3	9.2
20°-30°	3696.4	14.1
30°-40°	4494.3	17.1
40°-50°	4725.6	18.0
50°-60°	4315.0	16.4
60°-70°	2766.1	10.5
70°-80°	1306.7	5.0
80°-90°	365.4	1.4
90°-100°	213.7	0.8
100°-110°	434.1	1.7
110°-120°	357.7	1.4
120°-130°	168.2	0.6
130°-140°	84.1	0.3
140°-150°	48.8	0.2
150°-160°	28.5	0.1
160°-170°	14.8	0.1
170°-180°	4.5	0.0
0°-30°	6974.2	26.5
0°-40°	11468.5	43.6
0°-60°	20509.0	78.0
0°-90°	24947.3	94.9
90°-120°	1005.5	3.8
90°-150°	1306.7	5.0
90°-180°	1354.0	5.1
0°-180°	26301.6	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°	2	106	168	201	202	11
95°	27	104	190	254	273	83
105°	519	522	455	329	302	492
115°	360	363	371	365	348	361
125°	171	180	185	184	183	161
135°	101	104	107	108	109	80
145°	74	75	77	78	78	47
155°	59	60	61	61	62	28
165°	51	51	52	52	52	15
175°	46	46	46	47	47	4
180°	46	46	46	46	46	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	8930.6	8930.6	8930.6	8930.6	<i>8930.6</i>
2.5°	<i>8867.9</i>	<i>8897.7</i>	<i>8930.6</i>	<i>8972.9</i>	<i>8996.3</i>
5°	8847.5	8882.0	8927.5	8976.1	<i>8994.8</i>
7.5°	8803.7	8852.1	8896.1	8930.6	<i>8941.5</i>
10°	8748.8	8806.9	8831.8	8828.7	<i>8820.9</i>
12.5°	8675.1	8736.3	8728.5	8692.3	<i>8698.6</i>
15°	8579.6	8643.8	8578.0	8590.5	<i>8596.8</i>
17.5°	8466.7	8529.5	8452.7	8477.6	<i>8479.3</i>
20°	8335.1	8382.1	8322.5	8343.0	<i>8343.0</i>
22.5°	8176.9	8209.8	8184.7	8198.8	<i>8201.9</i>
25°	7984.1	7996.5	8024.7	8037.3	<i>8031.0</i>
27.5°	7799.3	7783.5	7838.4	7868.2	<i>7852.4</i>
30°	7593.9	7568.8	7633.0	7681.7	<i>7662.9</i>
32.5°	7358.8	7343.2	7416.9	7474.7	<i>7463.8</i>
35°	7136.3	7094.0	7175.5	7263.3	<i>7242.8</i>
37.5°	6873.0	6848.0	6940.4	7033.0	<i>7022.0</i>
40°	6616.0	6573.7	6678.8	6788.4	<i>6777.5</i>
42.5°	6340.3	6290.0	6404.5	6536.3	<i>6523.7</i>
45°	6018.9	6008.0	6109.9	6254.0	<i>6243.1</i>
47.5°	5733.9	5679.0	5821.5	5961.1	<i>5973.7</i>
50°	5389.0	5368.8	5498.8	5668.0	<i>5680.5</i>
52.5°	5052.2	5038.1	5174.3	5345.2	<i>5367.1</i>
55°	4716.7	4680.7	4839.0	5000.4	<i>5013.0</i>
57.5°	4358.0	4320.4	4481.8	4657.4	<i>4683.9</i>
60°	3973.9	3938.0	4115.0	4278.1	<i>3402.1</i>
62.5°	3590.1	3565.0	3750.0	2656.2	<i>2140.7</i>
65°	3178.0	3178.0	3362.7	1929.0	<i>1935.3</i>
67.5°	2792.5	2767.5	2507.4	1733.1	<i>1733.1</i>
70°	2378.8	2388.2	1444.7	1518.5	<i>1520.1</i>
72.5°	1963.5	1998.0	1247.4	1306.8	<i>1310.0</i>
75°	1570.1	1600.0	1038.9	1093.8	<i>1098.4</i>
77.5°	1153.4	886.9	835.2	877.6	<i>879.1</i>
80°	810.1	559.4	639.4	680.1	<i>675.4</i>
82.5°	473.2	391.7	468.5	498.4	<i>496.7</i>
85°	205.2	260.1	324.4	351.1	<i>332.1</i>
87.5°	65.7	161.4	202.1	217.8	<i>216.1</i>
90°	2.4	105.6	167.6	201.4	<i>202.5</i>
92.5°	8.1	91.5	162.6	208.6	<i>218.1</i>
95°	27.2	103.6	190.0	254.3	<i>272.9</i>
97.5°	137.3	184.0	238.5	299.6	<i>317.4</i>
100°	275.6	320.7	290.3	332.1	<i>339.4</i>
102.5°	445.9	445.5	342.5	331.4	<i>328.2</i>
105°	519.4	521.6	455.1	329.0	<i>302.4</i>



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	420.9	429.7	427.0	407.9	382.2
115°	360.2	363.3	371.3	365.0	348.2
117.5°	302.3	300.7	303.9	302.3	300.7
120°	252.2	255.4	256.2	254.6	253.8
122.5°	208.6	215.0	219.1	216.6	215.8
125°	170.6	180.3	185.1	183.5	182.7
127.5°	145.5	151.2	157.6	157.6	156.0
130°	126.1	130.1	135.0	135.8	135.8
132.5°	112.4	115.6	119.6	120.4	121.2
135°	101.0	104.3	106.7	108.3	109.1
137.5°	93.0	94.6	97.8	98.6	99.4
140°	84.9	87.3	89.7	90.5	91.3
142.5°	79.2	80.8	82.4	84.1	84.1
145°	73.6	75.2	76.8	78.4	78.4
147.5°	69.5	71.1	72.8	72.8	73.6
150°	65.5	67.1	67.9	68.7	68.7
152.5°	62.2	63.0	64.7	64.7	65.5
155°	59.0	59.8	61.4	61.4	62.2
157.5°	56.6	57.4	58.2	59.0	59.0
160°	54.2	55.0	55.8	55.8	56.6
162.5°	52.5	53.4	53.4	54.2	54.2
165°	50.9	50.9	51.7	51.7	51.7
167.5°	49.3	49.3	50.1	50.1	50.9
170°	47.7	48.5	48.5	48.5	49.3
172.5°	46.9	46.9	47.7	47.7	47.7
175°	46.1	46.1	46.1	46.9	46.9
177.5°	45.3	46.1	46.1	46.1	46.1
180°	46.1	46.1	46.1	46.1	46.1



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	519.4	528.1	496.4	379.4	311.0
110°	481.5	490.2	473.8	426.5	365.2



(END OF REPORT)