

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: P826423

Luminaire Tested: **OHB-30HE-MFL-UNV-L830-CD-UPL15**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P826423  
REPORT IS A COMBINATION OF REPORTS P826097 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: OHB-30HE-MFL-UNV-L830-CD-UPL15  
Description:  
Light Source: -  
Ballast/Driver: -

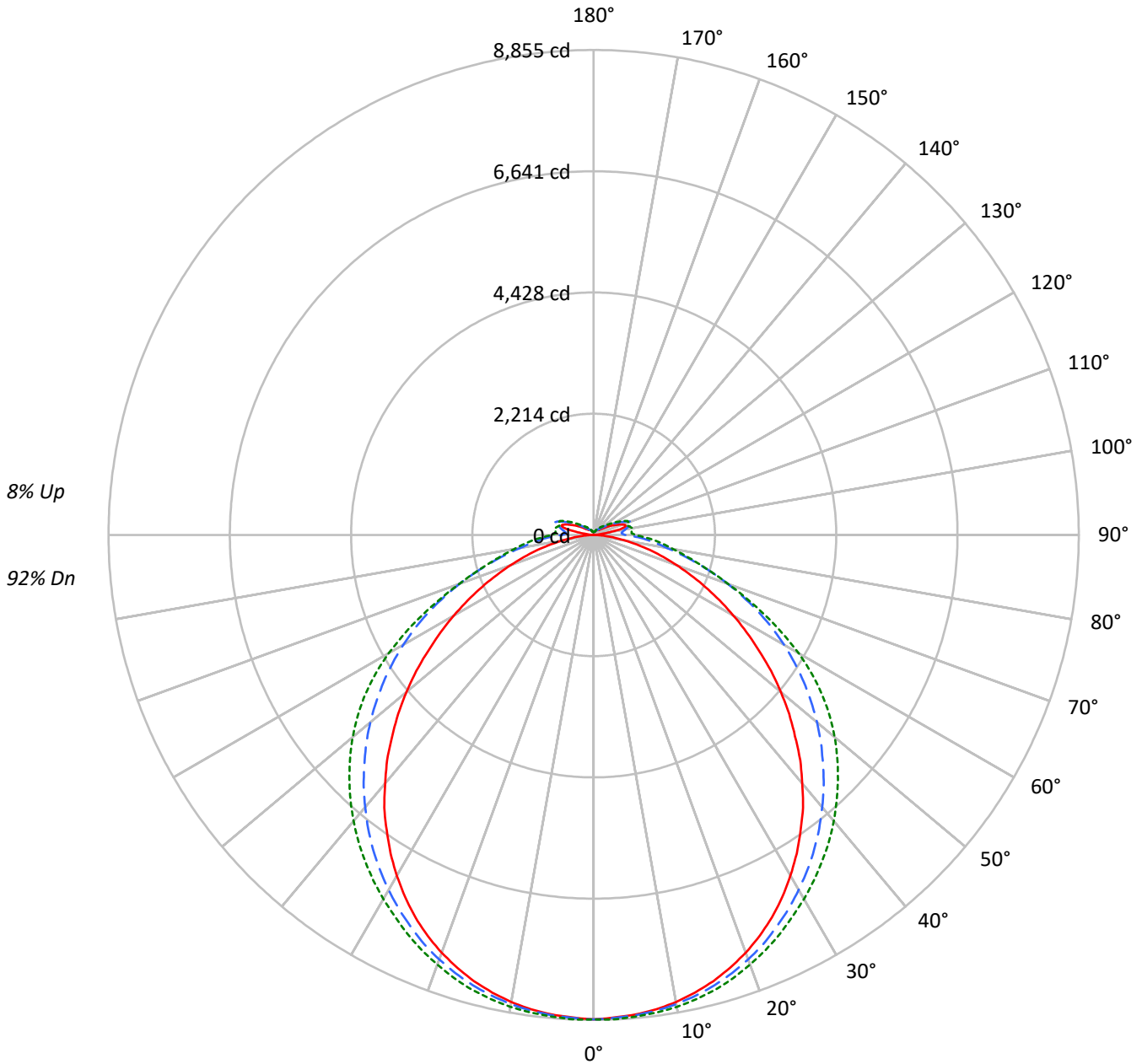
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27889.0 lumens  
Efficiency: N/A  
Efficacy: 155.5 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 1.8' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 179.3  
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	117	117	117	117	113	113	113	113	107	107	107	100	100	100	95	95	95	92																			
1	106	101	97	93	103	98	94	91	93	89	86	87	85	82	82	80	78	76																			
2	97	88	81	75	93	86	79	74	81	75	71	76	72	68	72	68	65	63																			
3	88	77	69	63	85	75	68	61	71	65	59	67	62	57	64	59	55	53																			
4	80	68	60	53	78	67	58	52	63	56	50	60	54	49	57	52	47	45																			
5	74	61	52	45	71	59	51	45	56	49	44	54	47	42	51	46	41	39																			
6	68	55	46	40	66	54	45	39	51	44	38	48	42	37	46	41	36	34																			
7	63	50	41	35	61	49	40	34	46	39	34	44	38	33	42	36	32	30																			
8	59	45	37	31	57	44	36	31	42	35	30	40	34	29	39	33	29	27																			
9	55	42	33	28	53	41	33	28	39	32	27	37	31	26	36	30	26	24																			
10	51	38	30	25	50	38	30	25	36	29	25	35	28	24	33	28	24	22																			

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

	0°	45°	90°
0°	27362	27362	27362
5°	27072	27033	27201
10°	26769	26726	27073
15°	26356	26373	26902
20°	25845	25956	26643
25°	25201	25453	26381
30°	24354	24913	26119
35°	23354	24340	25896
40°	22177	23686	25679
45°	20811	22977	25397
50°	19328	22254	25054
55°	17540	21381	24459
60°	15708	20358	23247
65°	13722	19072	21236
70°	11581	17452	19059
75°	9402	15574	17617
80°	6751	14059	17585
85°	3807	13951	19892



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	838.2	3.0
10°-20°	2404.7	8.6
20°-30°	3636.8	13.0
30°-40°	4366.0	15.7
40°-50°	4509.3	16.2
50°-60°	4057.0	14.5
60°-70°	3056.1	11.0
70°-80°	1845.4	6.6
80°-90°	906.1	3.2
90°-100°	515.4	1.8
100°-110°	686.4	2.5
110°-120°	530.8	1.9
120°-130°	265.6	1.0
130°-140°	134.7	0.5
140°-150°	74.6	0.3
150°-160°	39.6	0.1
160°-170°	17.0	0.1
170°-180°	5.2	0.0
0°-30°	6879.7	24.7
0°-40°	11245.7	40.3
0°-60°	19812.1	71.0
0°-90°	25619.6	91.9
90°-120°	1732.6	6.2
90°-150°	2207.5	7.9
90°-180°	2269.0	8.1
0°-180°	27889.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8846	8846	8846	8846	8846	
5°	8790	8814	8803	8838	8827	835
15°	8435	8476	8515	8586	8595	2378
25°	7703	7788	7898	8021	8041	3543
35°	6586	6740	7017	7229	7272	4117
45°	5198	5460	5917	6240	6307	4013
55°	3683	4064	4681	5034	5094	3302
65°	2247	2706	3312	3477	3438	2233
75°	1059	1520	1918	1968	1948	1129
85°	221	582	961	1093	1113	255
90°	3	248	577	728	761	16
95°	37	221	511	656	697	102
105°	604	669	733	662	646	573
115°	423	456	557	605	605	427
125°	214	231	302	339	344	201
135°	132	140	168	203	212	104
145°	106	106	110	129	136	67
155°	90	93	92	90	93	39
165°	59	59	60	60	60	17
175°	53	53	53	54	54	5
180°	53	53	53	53	53	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	8846.2	8846.2	8846.2	<i>8846.2</i>	8846.2
2.5°	<i>8820.3</i>	<i>8841.9</i>	<i>8828.9</i>	<i>8857.0</i>	<i>8854.9</i>
5°	8789.9	8813.8	8803.0	<i>8837.6</i>	8826.7
7.5°	8738.0	8764.0	8761.7	<i>8800.7</i>	8796.4
10°	8662.2	8690.4	8699.0	<i>8750.9</i>	8750.9
12.5°	8558.2	8595.1	8616.8	<i>8679.5</i>	8681.7
15°	8434.8	8476.0	8515.0	<i>8586.4</i>	8595.1
17.5°	8285.5	8337.4	8391.6	<i>8473.8</i>	8484.6
20°	8116.6	8175.0	8248.6	<i>8335.3</i>	8348.3
22.5°	7921.7	7991.1	8086.3	<i>8188.1</i>	8203.2
25°	7703.1	7787.5	7897.9	<i>8021.4</i>	8040.8
27.5°	7454.1	7551.6	7700.9	<i>7839.5</i>	7856.8
30°	7183.5	7298.3	7484.5	<i>7649.0</i>	7677.1
32.5°	6897.7	7029.8	7259.3	<i>7443.3</i>	7482.2
35°	6585.9	6739.6	7016.8	<i>7228.9</i>	7272.3
37.5°	6278.6	6447.4	6761.3	<i>7003.8</i>	7055.8
40°	5919.2	6129.1	6488.5	<i>6757.0</i>	6819.8
42.5°	5581.4	5808.7	6215.7	<i>6508.0</i>	6568.6
45°	5198.2	5460.1	5916.9	<i>6239.6</i>	6306.7
47.5°	4838.8	5122.4	5629.0	<i>5962.4</i>	6031.7
50°	4459.9	4771.7	5321.6	<i>5670.2</i>	5741.6
52.5°	4081.0	4416.6	5003.3	<i>5364.9</i>	5432.0
55°	3682.7	4063.7	4680.8	<i>5033.7</i>	5094.2
57.5°	3312.5	3715.2	4349.5	<i>4685.1</i>	4721.9
60°	2946.6	3364.4	4011.7	<i>4306.2</i>	4319.2
62.5°	2589.4	3028.9	3665.4	<i>3899.2</i>	3881.8
65°	2247.3	2706.2	3312.5	<i>3477.0</i>	3438.0
67.5°	1918.2	2392.4	2950.9	<i>3057.0</i>	3005.0
70°	1606.4	2087.0	2600.2	<i>2654.3</i>	2606.7
72.5°	1331.4	1797.0	2245.2	<i>2290.6</i>	2255.9
75°	1058.7	1519.9	1918.2	<i>1968.0</i>	1948.5
77.5°	803.3	1251.4	1617.3	<i>1682.2</i>	1686.5
80°	578.1	1006.8	1355.3	<i>1457.1</i>	1470.0
82.5°	381.1	781.6	1136.7	<i>1266.5</i>	1286.0
85°	220.8	582.3	961.3	<i>1093.3</i>	1112.9
87.5°	95.3	420.1	772.9	<i>891.9</i>	915.8
90°	2.8	247.8	576.9	<i>728.2</i>	760.9
92.5°	15.8	214.4	514.8	<i>661.4</i>	694.6
95°	36.8	220.7	510.9	<i>656.0</i>	697.0
97.5°	167.5	303.9	547.1	<i>675.5</i>	711.7
100°	326.6	451.3	587.8	<i>692.7</i>	716.5
102.5°	517.4	587.2	630.7	<i>674.6</i>	684.1
105°	604.2	669.4	733.2	<i>661.6</i>	645.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	491.0	538.6	636.3	675.9	667.8
115°	423.0	455.5	556.7	604.6	604.9
117.5°	367.5	389.4	479.8	525.6	530.2
120°	309.8	330.9	409.7	451.1	458.9
122.5°	259.5	277.9	353.9	392.3	397.8
125°	213.7	231.3	301.9	339.0	344.5
127.5°	182.7	193.5	257.2	296.2	300.8
130°	160.3	167.1	220.4	258.0	264.6
132.5°	144.5	152.5	191.9	227.4	237.0
135°	131.5	139.5	168.3	202.7	212.3
137.5°	122.2	128.3	149.4	180.6	190.2
140°	115.0	119.9	133.6	160.5	170.1
142.5°	110.6	112.5	118.7	144.4	150.9
145°	106.4	106.0	110.1	129.3	135.8
147.5°	101.7	103.6	105.4	114.1	121.5
150°	97.1	101.1	99.8	102.9	109.4
152.5°	93.3	96.4	96.1	93.9	99.2
155°	89.6	92.7	92.4	90.2	93.3
157.5°	65.1	66.1	67.0	67.9	67.9
160°	62.3	63.3	64.2	64.2	65.1
162.5°	60.5	61.4	61.4	62.3	62.3
165°	58.6	58.6	59.6	59.6	59.6
167.5°	56.8	56.8	57.7	57.7	58.6
170°	54.9	55.8	55.8	55.8	56.8
172.5°	54.0	54.0	54.9	54.9	54.9
175°	53.0	53.0	53.0	54.0	54.0
177.5°	52.1	53.0	53.0	53.0	53.0
180°	53.0	53.0	53.0	53.0	53.0



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	604.2	668.0	756.3	697.7	640.6
110°	558.6	617.4	710.1	723.2	676.4



(END OF REPORT)