

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: P828072

Luminaire Tested: **OHBL-30HE-NL-UNV-L935-CD-UPL30**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P828072  
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-L935-CD-UPL30  
Description:  
Light Source: -  
Ballast/Driver: -

**Summary**

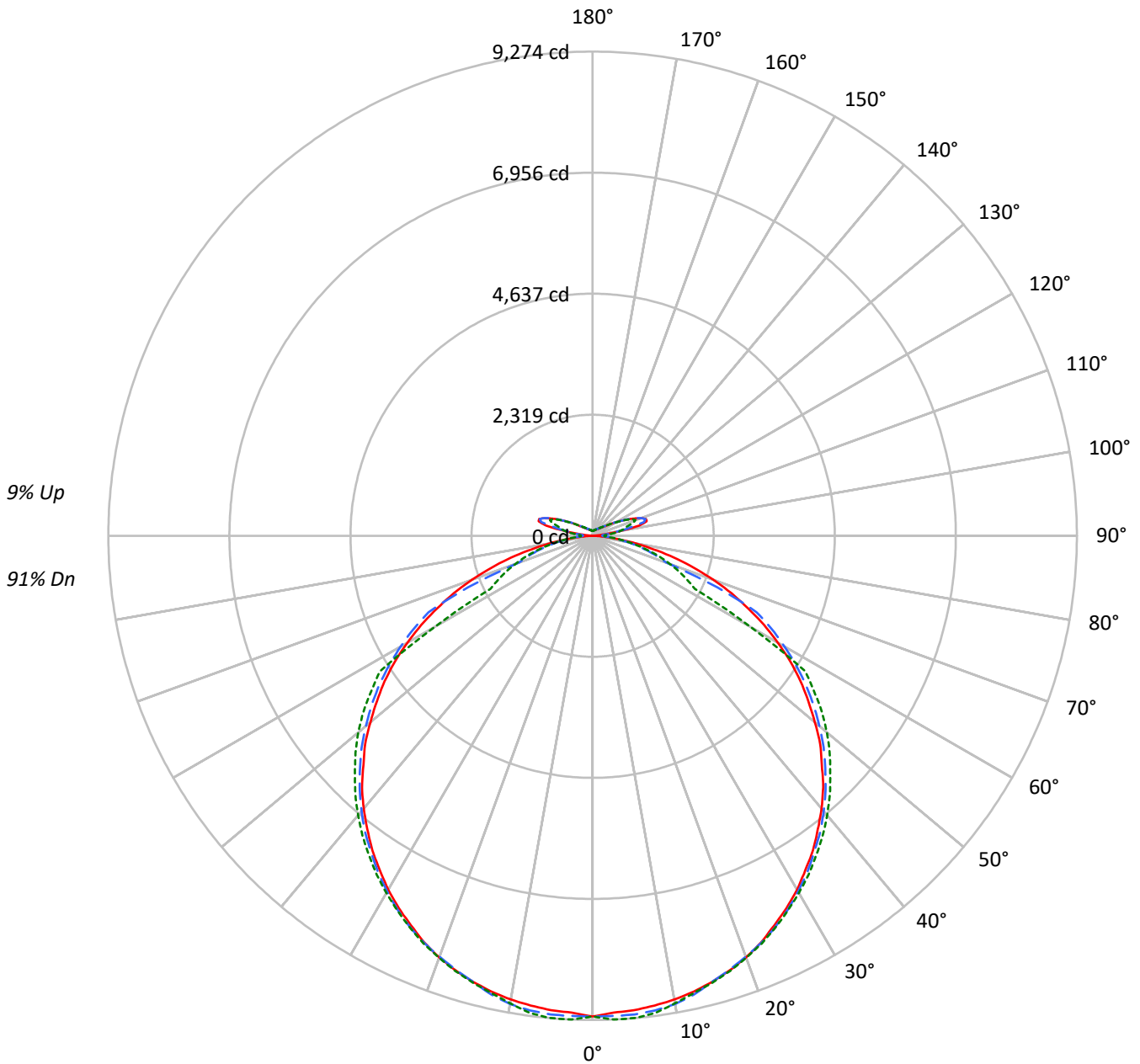
Lumens per Lamp: N/A  
Luminaire Lumens: 28401.6 lumens  
Efficiency: N/A  
Efficacy: 151.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.1')  
CIE Type: Direct

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

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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	106	106	106	99	99	99	93	93	93	91																			
1	107	103	99	95	103	99	96	92	93	91	88	88	86	83	83	81	79	77																			
2	98	90	83	78	94	87	81	76	82	77	73	77	73	70	73	70	67	64																			
3	89	79	71	65	86	77	69	64	72	66	61	68	63	59	65	61	57	54																			
4	82	70	61	55	79	68	60	54	64	58	52	61	55	51	58	53	49	47																			
5	75	62	54	47	72	61	53	47	58	51	45	55	49	44	52	47	43	40																			
6	69	56	47	41	67	55	47	41	52	45	40	49	43	38	47	42	37	35																			
7	64	51	42	36	62	50	42	36	47	40	35	45	39	34	43	37	33	31																			
8	60	46	38	32	58	45	37	32	43	36	31	41	35	30	39	34	30	28																			
9	56	42	34	29	54	41	34	29	40	33	28	38	32	27	36	31	27	25																			
10	52	39	31	26	50	38	31	26	37	30	25	35	29	25	34	28	24	22																			

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

	0°	45°	90°
0°	14560	14560	14560
5°	14410	14537	14687
10°	14343	14473	14536
15°	14269	14257	14408
20°	14175	14141	14337
25°	14000	14056	14271
30°	13852	13905	14209
35°	13672	13724	14153
40°	13454	13555	14112
45°	13148	13315	14024
50°	12820	13046	13968
55°	12422	12703	13731
60°	11821	12193	10608
65°	10955	11538	7066
70°	9838	5940	6755
75°	8192	5380	6298
80°	5784	4518	5514
85°	2348	3649	4771



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	874.7	3.1
10°-20°	2504.4	8.8
20°-30°	3810.7	13.4
30°-40°	4633.3	16.3
40°-50°	4871.7	17.2
50°-60°	4448.5	15.7
60°-70°	2851.7	10.0
70°-80°	1347.1	4.7
80°-90°	379.0	1.3
90°-100°	296.2	1.0
100°-110°	918.9	3.2
110°-120°	741.8	2.6
120°-130°	346.5	1.2
130°-140°	174.7	0.6
140°-150°	102.1	0.4
150°-160°	59.8	0.2
160°-170°	31.1	0.1
170°-180°	9.5	0.0
0°-30°	7189.9	25.3
0°-40°	11823.2	41.6
0°-60°	21143.3	74.4
0°-90°	25721.1	90.6
90°-120°	1956.8	6.9
90°-150°	2580.1	9.1
90°-180°	2681.0	9.4
0°-180°	28401.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9207	9207	9207	9207	9207	
5°	9121	9157	9204	9254	9273	867
15°	8845	8911	8843	8856	8863	2497
25°	8231	8244	8273	8286	8279	3798
35°	7357	7313	7397	7488	7467	4598
45°	6205	6194	6299	6447	6436	4796
55°	4863	4826	4989	5155	5168	4337
65°	3276	3276	3467	1989	1995	3248
75°	1619	1650	1071	1128	1132	1706
85°	212	268	334	362	342	313
90°	6	125	194	227	224	13
95°	52	143	223	291	302	174
105°	1072	1090	1016	769	678	1013
115°	743	746	750	749	724	742
125°	362	372	382	372	368	338
135°	212	217	222	226	226	168
145°	155	158	162	163	163	98
155°	124	127	128	130	130	58
165°	107	108	108	110	110	31
175°	97	98	98	98	98	9
180°	96	96	96	96	96	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	9206.8	9206.8	9206.8	9206.8	9206.8
2.5°	9142.2	9172.9	9206.8	9250.4	9274.5
5°	9121.1	9156.7	9203.6	9253.7	9273.0
7.5°	9076.0	9125.9	9171.2	9206.8	9218.1
10°	9019.3	9079.2	9105.0	9101.8	9093.8
12.5°	8943.4	9006.5	8998.5	8961.2	8967.7
15°	8844.9	8911.1	8843.3	8856.2	8862.7
17.5°	8728.6	8793.2	8714.1	8739.8	8741.6
20°	8592.9	8641.3	8579.9	8601.0	8601.0
22.5°	8429.8	8463.7	8437.8	8452.3	8455.6
25°	8231.0	8243.8	8272.9	8285.9	8279.4
27.5°	8040.5	8024.3	8080.8	8111.5	8095.2
30°	7828.8	7802.9	7869.1	7919.3	7899.9
32.5°	7586.4	7570.3	7646.2	7705.9	7694.7
35°	7357.0	7313.4	7397.4	7487.9	7466.8
37.5°	7085.6	7059.8	7155.0	7250.5	7239.2
40°	6820.7	6777.0	6885.3	6998.3	6987.1
42.5°	6536.4	6484.6	6602.6	6738.4	6725.4
45°	6205.1	6193.8	6298.8	6447.4	6436.2
47.5°	5911.2	5854.7	6001.6	6145.4	6158.4
50°	5555.7	5534.8	5668.9	5843.3	5856.2
52.5°	5208.4	5193.9	5334.3	5510.5	5533.1
55°	4862.6	4825.5	4988.7	5155.1	5168.1
57.5°	4492.8	4454.0	4620.4	4801.4	4828.8
60°	4096.8	4059.8	4242.2	4410.4	3507.3
62.5°	3701.1	3675.3	3866.0	2738.3	2206.9
65°	3276.2	3276.2	3466.8	1988.7	1995.2
67.5°	2878.9	2853.1	2584.9	1786.7	1786.7
70°	2452.3	2462.1	1489.4	1565.5	1567.1
72.5°	2024.2	2059.8	1286.0	1347.2	1350.5
75°	1618.7	1649.5	1071.0	1127.7	1132.4
77.5°	1189.1	914.3	861.0	904.8	906.3
80°	835.2	576.8	659.2	701.1	696.3
82.5°	487.8	403.8	483.0	513.8	512.1
85°	211.6	268.2	334.4	361.9	342.4
87.5°	67.8	166.4	208.3	224.6	222.8
90°	5.8	124.7	193.7	226.8	223.8
92.5°	17.5	113.5	184.3	229.2	232.3
95°	52.3	142.7	223.4	291.3	302.2
97.5°	293.2	322.2	325.9	403.9	439.7
100°	575.8	632.3	500.9	539.1	544.9
102.5°	911.3	942.6	748.9	646.7	623.3
105°	1072.2	1090.2	1015.8	769.2	678.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	863.1	873.0	878.6	863.0	831.5
115°	743.0	746.2	750.2	748.8	724.0
117.5°	620.0	624.2	625.8	619.2	612.5
120°	521.7	529.2	527.5	522.5	515.8
122.5°	435.8	448.3	452.5	443.3	435.8
125°	361.7	372.5	382.5	372.5	367.5
127.5°	306.7	314.2	321.7	320.8	316.7
130°	264.2	270.8	279.2	280.8	280.0
132.5°	235.0	240.8	246.7	249.2	248.3
135°	212.5	216.7	221.7	225.8	225.8
137.5°	192.5	198.3	202.5	205.8	205.8
140°	178.3	182.5	186.7	188.3	189.2
142.5°	165.8	169.2	173.3	175.0	175.8
145°	155.0	157.5	161.7	163.3	163.3
147.5°	145.0	148.3	151.7	153.3	153.3
150°	137.5	140.0	143.3	144.2	145.0
152.5°	130.8	132.5	135.0	136.7	136.7
155°	124.2	126.7	128.3	130.0	130.0
157.5°	119.2	120.8	122.5	123.3	124.2
160°	115.0	115.8	117.5	118.3	119.2
162.5°	110.0	111.7	112.5	113.3	114.2
165°	106.7	107.5	108.3	110.0	110.0
167.5°	103.3	104.2	105.0	105.8	105.8
170°	100.8	101.7	102.5	102.5	102.5
172.5°	98.3	99.2	100.0	100.0	100.0
175°	96.7	97.5	97.5	98.3	98.3
177.5°	95.8	96.7	96.7	96.7	97.5
180°	95.8	95.8	95.8	95.8	95.8



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	1071.3	1094.4	1061.8	924.5	798.1
110°	984.8	1007.0	991.0	942.2	872.3



(END OF REPORT)