

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: P828069

Luminaire Tested: **OHBL-30HE-N-UNV-L935-CD-UPL15**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P828069  
REPORT IS A COMBINATION OF REPORTS P826122 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-N-UNV-L935-CD-UPL15  
Description:  
Light Source: -  
Ballast/Driver: -

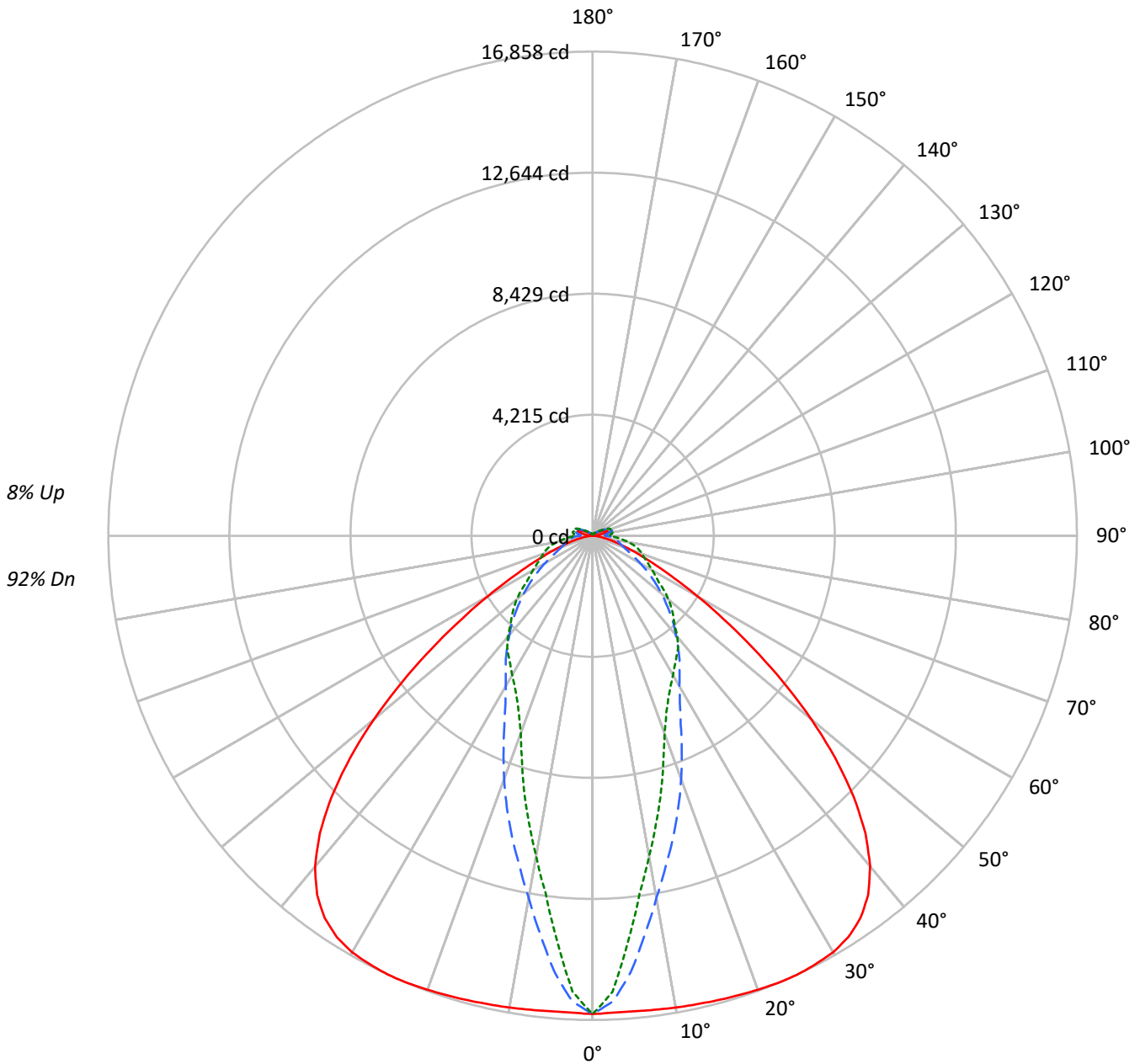
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25844.3 lumens  
Efficiency: N/A  
Efficacy: 148.4 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: Direct  
  
Input Watts (W): 174.1  
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				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	107	107	107	100	100	100	95	95	95	95	95	95	92
1	108	103	99	96	104	100	97	93	95	92	89	89	87	85	84	83	81	81	81	81	78
2	99	92	85	80	96	89	83	79	84	80	76	80	76	73	76	73	70	70	70	70	67
3	91	82	74	68	88	80	73	67	76	70	65	72	67	63	68	64	61	61	61	61	59
4	84	74	66	59	82	72	64	59	68	62	57	65	60	55	62	58	54	54	54	54	52
5	78	67	58	52	76	65	57	52	62	55	50	59	54	49	57	52	48	48	48	48	46
6	73	61	52	47	70	59	52	46	57	50	45	54	49	44	52	47	43	43	43	43	41
7	68	56	48	42	66	54	47	41	52	46	41	50	44	40	48	43	39	39	39	39	37
8	64	51	43	38	62	50	43	38	48	42	37	46	41	36	45	40	36	36	36	36	34
9	60	47	40	35	58	46	39	34	45	38	34	43	37	33	42	36	33	33	33	33	31
10	56	44	37	32	55	43	36	32	42	35	31	40	35	31	39	34	30	30	30	30	28

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

	0°	45°	90°
0°	26337	26337	26337
5°	26172	23995	22408
10°	26356	20221	18055
15°	26755	17302	14893
20°	27384	14636	12108
25°	28198	12121	10667
30°	29027	10447	9966
35°	29469	9527	9555
40°	28789	8611	9128
45°	26302	7787	8519
50°	22013	6885	8069
55°	16566	6037	7260
60°	11470	5183	7047
65°	7596	4471	7023
70°	5077	4204	7550
75°	3411	4349	8366
80°	2224	4839	9157
85°	1160	6108	10919



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1401.8	5.4
10°-20°	3297.8	12.8
20°-30°	4133.7	16.0
30°-40°	4386.3	17.0
40°-50°	3965.9	15.3
50°-60°	2875.6	11.1
60°-70°	1804.6	7.0
70°-80°	1194.2	4.6
80°-90°	691.2	2.7
90°-100°	454.7	1.8
100°-110°	650.6	2.5
110°-120°	503.3	1.9
120°-130°	242.1	0.9
130°-140°	118.3	0.5
140°-150°	67.6	0.3
150°-160°	36.9	0.1
160°-170°	15.2	0.1
170°-180°	4.6	0.0
0°-30°	8833.3	34.2
0°-40°	13219.6	51.2
0°-60°	20061.1	77.6
0°-90°	23751.0	91.9
90°-120°	1608.5	6.2
90°-150°	2036.6	7.9
90°-180°	2093.0	8.1
0°-180°	25844.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	16653	16653	16653	16653	16653	
5°	16620	16194	15242	14536	14170	###
15°	16747	13650	10841	9641	9204	4749
25°	16858	10554	7259	6443	6238	7788
35°	16254	7017	5268	5104	5102	10104
45°	12849	4444	3818	3910	3977	9788
55°	6803	2755	2492	2702	2799	6146
65°	2433	1598	1442	1848	2054	2532
75°	751	861	968	1504	1594	837
85°	132	357	708	986	905	158
90°	2	167	435	610	619	10
95°	30	165	450	610	651	89
105°	540	590	706	662	646	512
115°	381	412	544	587	584	384
125°	195	211	281	303	301	183
135°	120	126	150	174	174	95
145°	95	98	103	117	116	60
155°	80	85	89	90	88	34
165°	52	52	53	53	53	15
175°	48	48	48	48	48	5
180°	48	48	48	48	48	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	16653.2	16653.2	16653.2	16653.2	16653.2
2.5°	16618.3	16523.2	16226.8	16046.1	15893.9
5°	16619.8	16193.5	15242.5	14535.7	14169.5
7.5°	16643.6	15695.8	13982.5	12950.7	12548.1
10°	16680.1	15079.2	12806.4	11706.5	11330.8
12.5°	16707.0	14385.1	11771.5	10641.4	10229.3
15°	16746.7	13649.7	10841.1	9641.2	9203.8
17.5°	16783.1	12957.0	9921.8	8668.1	8181.6
20°	16819.6	12210.5	9002.6	7710.8	7309.8
22.5°	16854.4	11422.8	8105.5	6967.5	6693.2
25°	16857.6	10554.2	7259.1	6442.8	6238.4
27.5°	16816.4	9654.0	6572.8	6003.8	5877.0
30°	16745.1	8780.7	6040.2	5686.8	5596.5
32.5°	16567.6	7889.9	5628.2	5380.9	5328.6
35°	16253.8	7016.6	5268.4	5103.6	5102.0
37.5°	15759.2	6241.6	4878.5	4850.0	4884.8
40°	15028.6	5563.2	4509.2	4585.2	4585.2
42.5°	14053.8	4973.6	4174.8	4252.4	4231.8
45°	12849.2	4444.3	3818.2	3910.1	3976.7
47.5°	11452.9	3978.2	3453.6	3631.2	3723.1
50°	9934.5	3534.4	3120.8	3347.4	3452.0
52.5°	8343.2	3123.9	2795.8	3055.8	3139.8
55°	6802.7	2754.7	2491.6	2702.3	2799.0
57.5°	5407.8	2402.8	2193.6	2393.2	2593.0
60°	4208.1	2100.1	1913.1	2198.3	2398.0
62.5°	3214.2	1830.6	1649.9	2016.1	2215.8
65°	2432.9	1597.7	1442.3	1848.1	2054.1
67.5°	1833.8	1396.3	1280.7	1726.0	1927.3
70°	1377.3	1201.4	1150.7	1649.9	1830.6
72.5°	1017.6	1022.3	1047.7	1583.3	1721.2
75°	751.2	860.7	968.4	1504.1	1594.5
77.5°	537.3	713.2	897.1	1409.0	1440.8
80°	372.5	581.7	822.6	1283.8	1256.8
82.5°	233.0	466.0	756.0	1145.9	1071.4
85°	131.6	356.6	708.5	985.8	905.0
87.5°	58.7	266.2	619.8	768.7	718.0
90°	2.5	167.3	434.7	610.2	619.1
92.5°	11.5	147.0	417.2	582.8	606.9
95°	29.7	164.6	450.5	609.7	651.0
97.5°	146.2	247.8	509.2	652.3	686.3
100°	290.3	385.8	561.4	681.7	703.3
102.5°	462.8	512.8	609.4	672.0	679.7
105°	540.2	589.8	706.4	662.0	645.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	440.0	483.9	620.6	657.9	650.8
115°	380.8	412.5	544.2	586.9	584.2
117.5°	330.7	352.8	468.7	506.6	506.5
120°	279.0	301.3	397.3	428.9	428.1
122.5°	234.0	253.3	336.8	361.2	358.8
125°	194.8	211.2	281.2	303.2	300.8
127.5°	167.4	176.4	235.4	257.6	254.3
130°	147.4	154.8	197.8	220.8	220.8
132.5°	131.7	138.2	170.9	193.9	194.8
135°	120.0	126.5	149.6	173.5	174.3
137.5°	111.7	118.1	134.1	155.6	156.4
140°	103.3	109.0	121.0	140.9	141.8
142.5°	99.1	102.3	110.3	127.9	127.9
145°	94.8	98.1	102.9	117.2	115.7
147.5°	90.7	95.5	98.8	106.7	105.9
150°	86.5	92.9	93.8	99.3	97.8
152.5°	83.2	88.8	90.4	93.6	92.8
155°	79.8	85.4	88.7	90.2	87.9
157.5°	58.3	59.2	60.0	60.8	60.8
160°	55.8	56.7	57.5	57.5	58.3
162.5°	54.2	55.0	55.0	55.8	55.8
165°	52.5	52.5	53.3	53.3	53.3
167.5°	50.8	50.8	51.7	51.7	52.5
170°	49.2	50.0	50.0	50.0	50.8
172.5°	48.3	48.3	49.2	49.2	49.2
175°	47.5	47.5	47.5	48.3	48.3
177.5°	46.7	47.5	47.5	47.5	47.5
180°	47.5	47.5	47.5	47.5	47.5



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	540.2	593.3	730.1	688.9	639.2
110°	500.9	549.5	689.5	705.6	665.1



(END OF REPORT)