

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: P828375

Luminaire Tested: **OHBL-30SE-A-UNV-L940-CD-UPL15**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P828375  
REPORT IS A COMBINATION OF REPORTS P826125 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-30SE-A-UNV-L940-CD-UPL15  
Description:  
Light Source: -  
Ballast/Driver: -

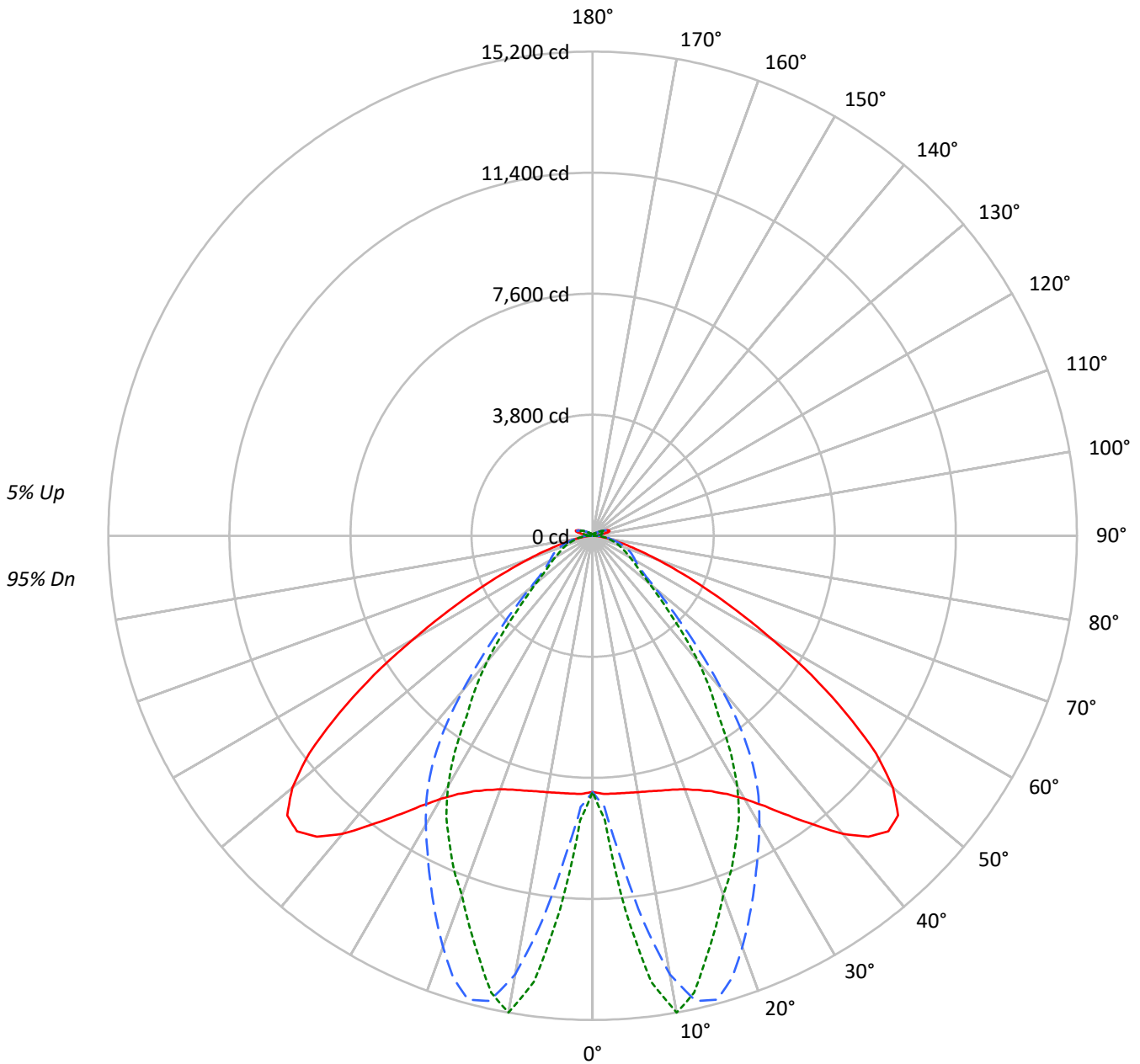
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27132.1 lumens  
Efficiency: N/A  
Efficacy: 147.2 lumens/watt  
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 184.3  
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	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	95																			
1	109	105	102	99	106	103	100	97	98	95	93	93	91	89	89	87	86	83																			
2	101	94	88	84	98	92	87	82	88	83	80	84	80	77	80	77	75	73																			
3	94	85	78	72	91	83	76	71	79	74	69	76	71	68	73	69	66	64																			
4	87	76	69	63	84	75	68	62	72	66	61	69	64	60	66	62	58	56																			
5	81	69	61	55	78	68	61	55	65	59	54	63	57	53	61	56	52	50																			
6	75	63	55	49	73	62	54	49	60	53	48	58	52	48	56	51	47	45																			
7	70	58	50	44	68	57	49	44	55	48	43	53	47	43	51	46	42	40																			
8	65	53	45	40	64	52	45	40	51	44	39	49	43	39	48	42	38	37																			
9	61	49	42	37	60	48	41	36	47	40	36	46	40	36	44	39	35	33																			
10	58	46	38	33	56	45	38	33	44	37	33	42	37	33	41	36	32	31																			

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

	0°	45°	90°
0°	13738	13738	13738
5°	13808	17279	20139
10°	13931	23822	26158
15°	14263	25951	24009
20°	14853	24079	21456
25°	15936	21655	19626
30°	17770	19498	17452
35°	20890	17066	13907
40°	25119	12997	11068
45°	28813	8855	7877
50°	29211	6074	5826
55°	25284	4780	4760
60°	18887	4473	4282
65°	12946	4487	4056
70°	8277	4328	3929
75°	4977	4006	3759
80°	2928	3519	3878
85°	1410	3023	3596



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1050.1	3.9
10°-20°	3706.2	13.7
20°-30°	5461.4	20.1
30°-40°	5739.0	21.2
40°-50°	4391.4	16.2
50°-60°	2651.7	9.8
60°-70°	1618.2	6.0
70°-80°	883.2	3.3
80°-90°	313.3	1.2
90°-100°	126.6	0.5
100°-110°	438.7	1.6
110°-120°	377.0	1.4
120°-130°	180.9	0.7
130°-140°	90.4	0.3
140°-150°	52.5	0.2
150°-160°	30.6	0.1
160°-170°	15.9	0.1
170°-180°	4.8	0.0
0°-30°	10217.7	37.7
0°-40°	15956.7	58.8
0°-60°	22999.8	84.8
0°-90°	25814.6	95.1
90°-120°	942.3	3.5
90°-150°	1266.2	4.7
90°-180°	1318.0	4.9
0°-180°	27132.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8044	8044	8044	8044	8044	
5°	8124	8716	10168	11353	11791	777
15°	8282	12900	15077	14069	13738	2355
25°	8851	14972	12037	10897	10628	4136
35°	10721	11990	8769	7303	6876	6801
45°	13122	6841	4039	3554	3405	9914
55°	9704	2320	1839	1704	1699	8575
65°	3890	1469	1353	1158	1098	3986
75°	1036	913	838	691	663	1192
85°	154	283	334	304	276	191
90°	3	19	25	33	37	10
95°	24	63	93	124	144	87
105°	550	542	462	327	300	521
115°	379	379	383	381	373	383
125°	184	194	199	197	196	173
135°	109	112	115	116	117	86
145°	79	81	83	84	84	51
155°	64	64	66	66	67	30
165°	55	55	56	56	56	16
175°	50	50	50	50	50	5
180°	50	50	50	50	50	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	8043.5	8043.5	8043.5	8043.5	8043.5
2.5°	8109.3	8192.2	8518.4	8857.1	8939.5
5°	8124.2	8716.1	10167.8	11353.3	11791.3
7.5°	8141.4	9564.9	12211.4	13662.9	14127.4
10°	8174.2	10638.3	13982.2	15024.3	15199.8
12.5°	8214.9	11775.5	14956.6	14918.7	14697.3
15°	8282.5	12900.2	15076.7	14068.8	13738.1
17.5°	8353.5	13851.9	14553.1	13143.7	12855.8
20°	8469.1	14558.2	13738.8	12321.5	11994.2
22.5°	8635.7	14946.6	12884.7	11577.9	11364.3
25°	8850.6	14971.8	12036.6	10897.4	10628.3
27.5°	9138.6	14624.5	11223.6	10230.6	9946.4
30°	9530.4	13959.5	10468.2	9426.6	9074.0
32.5°	10062.6	13002.4	9689.4	8456.0	8060.7
35°	10720.7	11989.6	8768.9	7302.6	6875.6
37.5°	11438.8	10865.3	7651.6	6281.3	6032.6
40°	12211.4	9706.7	6327.5	5325.5	5147.5
42.5°	12814.4	8447.0	5097.6	4425.6	4236.3
45°	13121.7	6841.4	4039.4	3554.4	3405.0
47.5°	13002.0	5310.7	3202.3	2824.2	2779.4
50°	12303.5	3921.4	2563.4	2326.5	2307.9
52.5°	11211.6	2922.8	2117.4	1970.9	1938.8
55°	9703.9	2319.9	1838.8	1704.2	1699.1
57.5°	8147.3	1970.9	1669.1	1564.9	1528.7
60°	6486.8	1757.3	1540.4	1422.8	1349.3
62.5°	5084.8	1608.0	1445.9	1286.2	1217.6
65°	3890.3	1468.7	1352.8	1157.6	1098.5
67.5°	2900.0	1335.9	1239.0	1022.3	987.9
70°	2112.9	1199.7	1109.2	909.2	882.0
72.5°	1505.9	1063.8	979.6	802.9	772.9
75°	1035.8	913.4	837.8	691.2	663.3
77.5°	698.8	759.9	698.1	590.2	578.4
80°	466.6	602.6	564.6	500.1	492.9
82.5°	283.2	437.3	445.6	406.6	387.0
85°	154.2	283.2	333.9	304.2	276.0
87.5°	60.3	156.9	230.1	206.6	194.5
90°	2.6	19.1	25.2	33.0	37.4
92.5°	8.7	24.3	40.0	55.6	64.3
95°	24.3	62.6	93.0	123.5	143.5
97.5°	144.3	162.6	177.4	204.3	220.0
100°	293.0	316.5	260.0	273.0	279.1
102.5°	471.2	455.6	336.5	302.6	297.4
105°	550.4	542.5	462.5	326.9	300.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	442.5	448.6	440.8	425.2	409.5
115°	379.1	379.1	382.6	380.8	373.0
117.5°	325.2	323.4	326.9	325.2	323.4
120°	271.3	274.7	275.6	273.9	273.0
122.5°	224.3	231.3	235.6	233.0	232.1
125°	183.5	193.9	199.1	197.4	196.5
127.5°	156.5	162.6	169.5	169.5	167.8
130°	135.6	140.0	145.2	146.1	146.1
132.5°	120.9	124.3	128.7	129.5	130.4
135°	108.7	112.2	114.8	116.5	117.4
137.5°	100.0	101.7	105.2	106.1	106.9
140°	91.3	93.9	96.5	97.4	98.2
142.5°	85.2	86.9	88.7	90.4	90.4
145°	79.1	80.9	82.6	84.3	84.3
147.5°	74.8	76.5	78.2	78.2	79.1
150°	70.4	72.2	73.0	73.9	73.9
152.5°	66.9	67.8	69.6	69.6	70.4
155°	63.5	64.3	66.1	66.1	66.9
157.5°	60.9	61.7	62.6	63.5	63.5
160°	58.3	59.1	60.0	60.0	60.9
162.5°	56.5	57.4	57.4	58.3	58.3
165°	54.8	54.8	55.6	55.6	55.6
167.5°	53.0	53.0	53.9	53.9	54.8
170°	51.3	52.2	52.2	52.2	53.0
172.5°	50.4	50.4	51.3	51.3	51.3
175°	49.6	49.6	49.6	50.4	50.4
177.5°	48.7	49.6	49.6	49.6	49.6
180°	49.6	49.6	49.6	49.6	49.6



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	550.4	551.2	510.4	393.0	329.5
110°	507.8	512.1	489.5	445.2	391.2



(END OF REPORT)