

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: P827775

Luminaire Tested: **OHBL-30SE-A-UNV-L930-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827775
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-L930-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

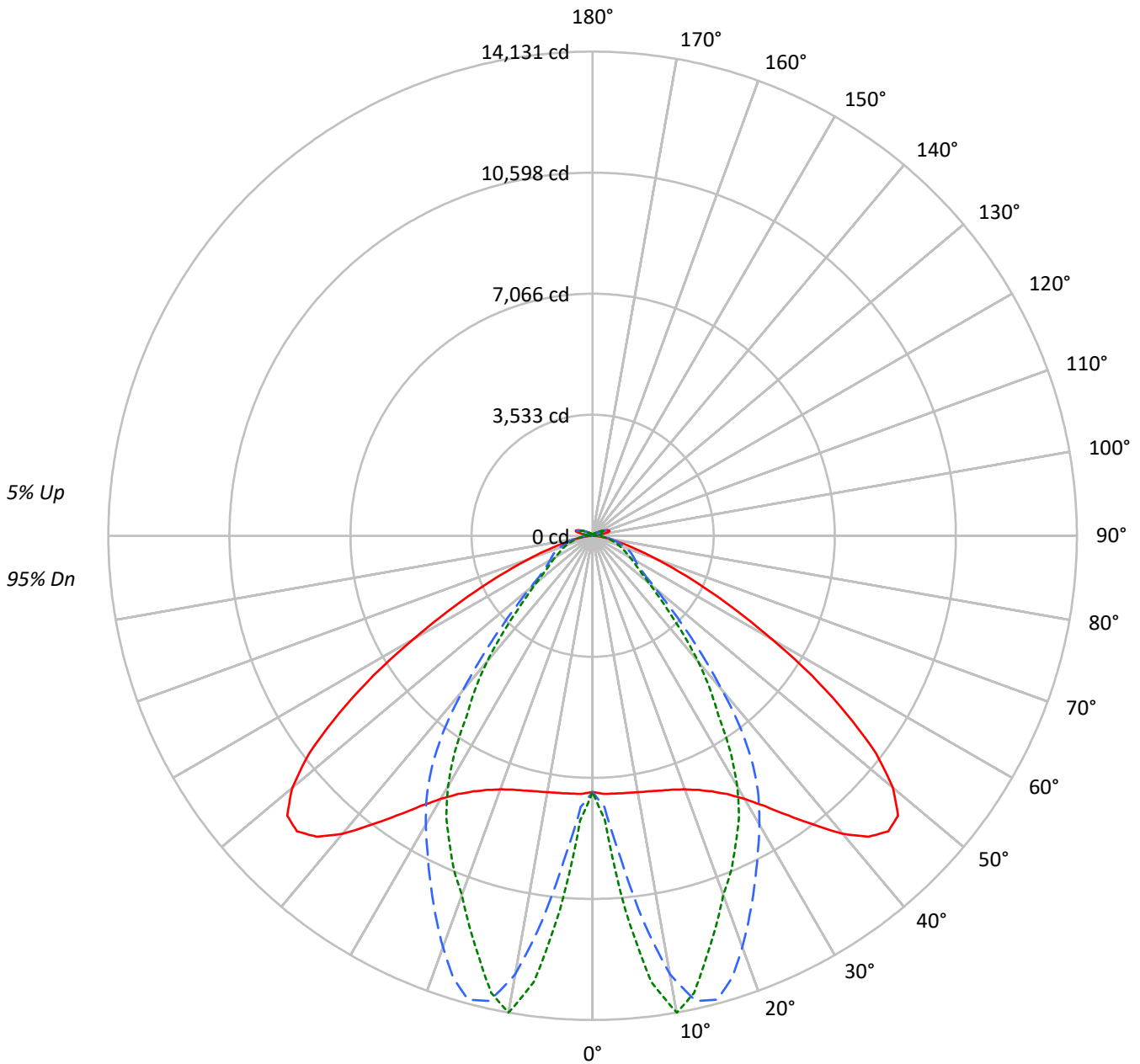
Lumens per Lamp: N/A
Luminaire Lumens: 25225.0 lumens
Efficiency: N/A
Efficacy: 136.9 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 184.3
Input Voltage (V): NR
Input Current (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					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	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°	12773	12773	12773
5°	12838	16064	18723
10°	12952	22148	24320
15°	13261	24127	22321
20°	13809	22386	19948
25°	14816	20133	18247
30°	16521	18128	16225
35°	19422	15866	12929
40°	23353	12083	10290
45°	26788	8232	7324
50°	27157	5647	5417
55°	23507	4444	4425
60°	17559	4158	3981
65°	12036	4171	3771
70°	7695	4024	3653
75°	4628	3724	3495
80°	2723	3272	3605
85°	1310	2810	3344



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	976.3	3.9
10°-20°	3445.7	13.7
20°-30°	5077.5	20.1
30°-40°	5335.6	21.2
40°-50°	4082.7	16.2
50°-60°	2465.3	9.8
60°-70°	1504.4	6.0
70°-80°	821.1	3.3
80°-90°	291.3	1.2
90°-100°	117.7	0.5
100°-110°	407.9	1.6
110°-120°	350.5	1.4
120°-130°	168.2	0.7
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°	9499.5	37.7
0°-40°	14835.1	58.8
0°-60°	21383.2	84.8
0°-90°	24000.1	95.1
90°-120°	876.1	3.5
90°-150°	1177.2	4.7
90°-180°	1225.0	4.9
0°-180°	25225.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7478	7478	7478	7478	7478	
5°	7553	8104	9453	10555	10962	722
15°	7700	11994	14017	13080	12772	2189
25°	8228	13920	11191	10131	9881	3846
35°	9967	11147	8152	6789	6392	6323
45°	12199	6360	3755	3304	3166	9218
55°	9022	2157	1710	1584	1580	7972
65°	3617	1365	1258	1076	1021	3706
75°	963	849	779	643	617	1108
85°	143	263	310	283	257	177
90°	2	18	23	31	35	9
95°	23	58	86	115	133	81
105°	512	504	430	304	279	484
115°	352	352	356	354	347	356
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°	7478.1	7478.1	7478.1	7478.1	7478.1
2.5°	7539.3	7616.4	7919.6	8234.6	8311.2
5°	7553.1	8103.5	9453.1	10555.3	10962.5
7.5°	7569.2	8892.6	11353.1	12702.6	13134.4
10°	7599.6	9890.5	12999.5	13968.2	14131.4
12.5°	7637.5	10947.8	13905.4	13870.1	13664.2
15°	7700.3	11993.5	14017.0	13080.0	12772.5
17.5°	7766.4	12878.3	13530.2	12219.9	11952.2
20°	7873.8	13535.0	12773.1	11455.5	11151.1
22.5°	8028.7	13896.1	11979.1	10764.1	10565.6
25°	8228.5	13919.5	11190.6	10131.4	9881.2
27.5°	8496.2	13596.6	10434.7	9511.5	9247.3
30°	8860.5	12978.3	9732.4	8764.0	8436.3
32.5°	9355.3	12088.5	9008.4	7861.6	7494.1
35°	9967.2	11146.9	8152.5	6789.3	6392.3
37.5°	10634.8	10101.6	7113.8	5839.8	5608.6
40°	11353.1	9024.4	5882.7	4951.2	4785.7
42.5°	11913.7	7853.3	4739.3	4114.6	3938.5
45°	12199.4	6360.5	3755.4	3304.5	3165.7
47.5°	12088.1	4937.4	2977.2	2625.7	2584.0
50°	11438.7	3645.7	2383.2	2162.9	2145.6
52.5°	10423.5	2717.4	1968.6	1832.3	1802.5
55°	9021.8	2156.9	1709.5	1584.4	1579.6
57.5°	7574.6	1832.3	1551.8	1454.9	1421.2
60°	6030.9	1633.8	1432.1	1322.8	1254.5
62.5°	4727.4	1495.0	1344.3	1195.8	1132.0
65°	3616.9	1365.4	1257.7	1076.2	1021.3
67.5°	2696.2	1242.0	1151.9	950.4	918.4
70°	1964.4	1115.3	1031.3	845.3	820.0
72.5°	1400.0	989.0	910.7	746.5	718.6
75°	963.0	849.2	778.9	642.6	616.7
77.5°	649.7	706.5	649.0	548.7	537.8
80°	433.8	560.3	524.9	465.0	458.2
82.5°	263.3	406.6	414.3	378.1	359.8
85°	143.3	263.3	310.4	282.8	256.6
87.5°	56.1	145.9	213.9	192.1	180.8
90°	2.4	17.8	23.4	30.7	34.8
92.5°	8.1	22.6	37.2	51.7	59.8
95°	22.6	58.2	86.5	114.8	133.4
97.5°	134.2	151.2	164.9	190.0	204.5
100°	272.4	294.2	241.7	253.8	259.5
102.5°	438.1	423.6	312.8	281.3	276.4
105°	511.7	504.4	430.0	303.9	278.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	411.4	417.1	409.8	395.3	380.7
115°	352.4	352.4	355.7	354.0	346.8
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°	511.7	512.5	474.5	365.4	306.4
110°	472.1	476.1	455.1	413.9	363.8



(END OF REPORT)