

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: P827776

Luminaire Tested: **OHBL-30SE-A-UNV-L930-CD-UPL30**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827776
REPORT IS A COMBINATION OF REPORTS P826281 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-30SE-A-UNV-L930-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

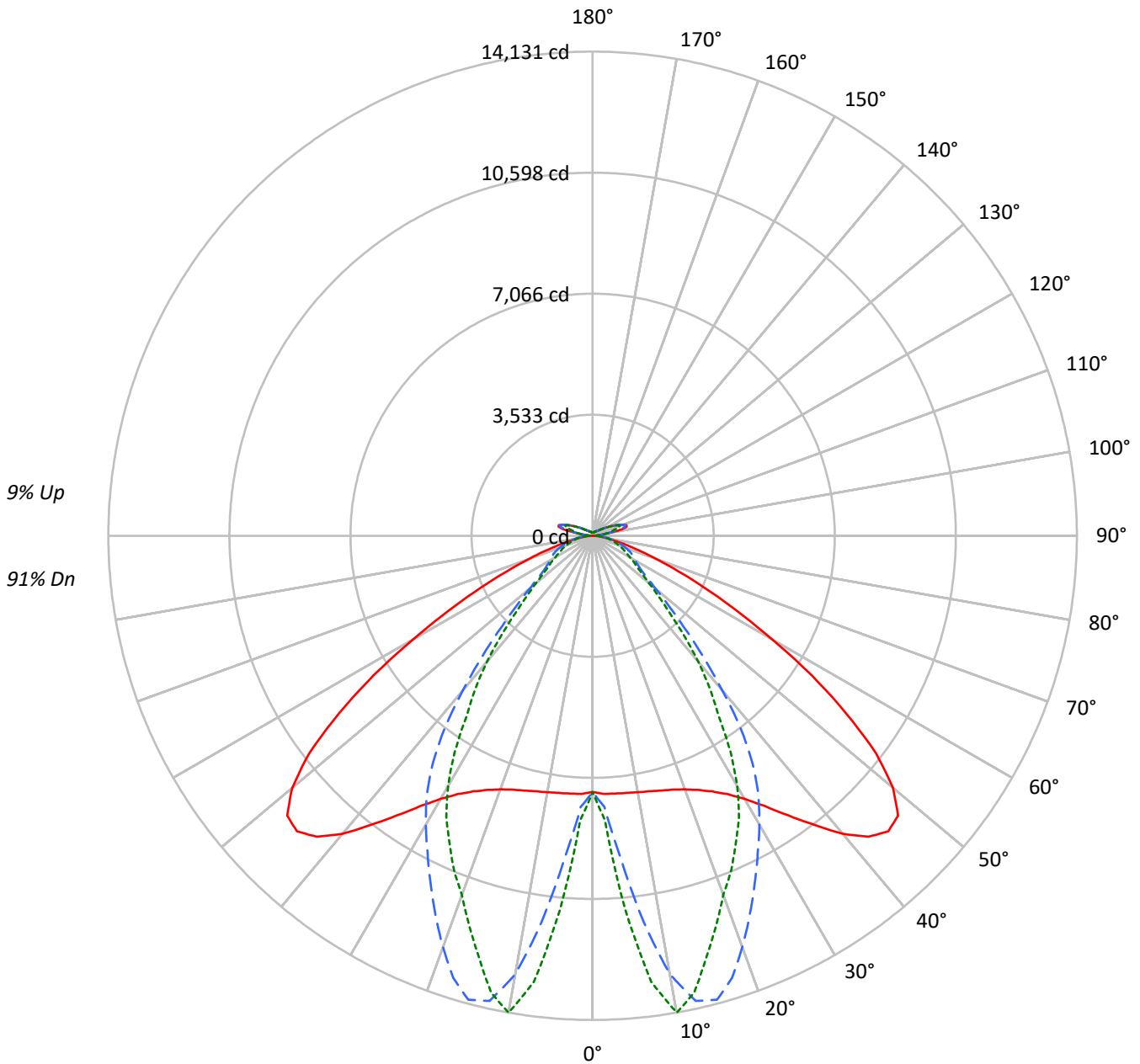
Lumens per Lamp: N/A
Luminaire Lumens: 26472.9 lumens
Efficiency: N/A
Efficacy: 134.2 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 197.2
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									
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	108	104	101	98	105	101	98	95	95	93	90	90	88	86	85	83	82	79																			
2	100	93	87	83	97	91	85	81	86	81	78	81	78	75	77	74	72	69																			
3	93	84	77	71	89	81	75	70	77	72	67	73	69	65	70	66	63	61																			
4	86	75	68	62	83	73	66	61	70	64	59	67	62	58	64	59	56	54																			
5	80	68	60	55	77	67	59	54	64	57	53	61	55	51	58	54	50	48																			
6	74	62	54	49	72	61	53	48	58	52	47	56	50	46	53	49	45	43																			
7	69	57	49	44	67	56	48	43	53	47	42	51	46	41	49	44	40	39																			
8	65	52	45	39	63	51	44	39	49	43	38	47	42	37	46	41	37	35																			
9	60	48	41	36	59	47	40	35	46	39	35	44	38	34	42	37	34	32																			
10	57	45	37	33	55	44	37	32	42	36	32	41	35	31	39	34	31	29																			

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	3.7
10°-20°	3445.7	13.0
20°-30°	5077.5	19.2
30°-40°	5335.6	20.2
40°-50°	4082.7	15.4
50°-60°	2465.3	9.3
60°-70°	1504.4	5.7
70°-80°	821.1	3.1
80°-90°	293.5	1.1
90°-100°	191.3	0.7
100°-110°	865.1	3.3
110°-120°	712.2	2.7
120°-130°	336.1	1.3
130°-140°	169.5	0.6
140°-150°	99.1	0.4
150°-160°	58.1	0.2
160°-170°	30.1	0.1
170°-180°	9.2	0.0
0°-30°	9499.5	35.9
0°-40°	14835.1	56.0
0°-60°	21383.2	80.8
0°-90°	24002.2	90.7
90°-120°	1768.6	6.7
90°-150°	2373.2	9.0
90°-180°	2471.0	9.3
0°-180°	26472.9	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°	6	33	44	49	49	12
95°	46	93	113	143	154	167
105°	1032	1040	960	721	634	975
115°	713	713	712	715	701	715
125°	351	361	371	361	356	328
135°	206	210	215	219	219	163
145°	150	153	157	158	158	96
155°	120	123	124	126	126	56
165°	104	104	105	107	107	30
175°	94	95	95	95	95	9
180°	93	93	93	93	93	



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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°	5.7	33.1	43.6	49.3	49.3
92.5°	17.0	41.2	53.4	65.5	67.1
95°	46.1	93.0	113.2	143.1	153.6
97.5°	281.3	279.7	242.5	282.1	313.6
100°	555.3	586.8	437.3	444.6	448.6
102.5°	876.2	892.4	696.8	577.2	552.9
105°	1032.2	1040.3	960.3	721.0	634.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	827.7	834.2	835.0	824.5	805.1
115°	713.0	713.0	712.1	715.4	700.8
117.5°	601.4	605.4	607.1	600.6	594.1
120°	506.0	513.3	511.7	506.8	500.4
122.5°	422.8	434.9	438.9	430.0	422.8
125°	350.8	361.3	371.0	361.3	356.5
127.5°	297.5	304.7	312.0	311.2	307.2
130°	256.2	262.7	270.8	272.4	271.6
132.5°	228.0	233.6	239.3	241.7	240.9
135°	206.1	210.2	215.0	219.1	219.1
137.5°	186.7	192.4	196.4	199.7	199.7
140°	173.0	177.0	181.1	182.7	183.5
142.5°	160.9	164.1	168.1	169.8	170.6
145°	150.4	152.8	156.8	158.4	158.4
147.5°	140.6	143.9	147.1	148.7	148.7
150°	133.4	135.8	139.0	139.8	140.6
152.5°	126.9	128.5	131.0	132.6	132.6
155°	120.4	122.9	124.5	126.1	126.1
157.5°	115.6	117.2	118.8	119.6	120.4
160°	111.6	112.4	114.0	114.8	115.6
162.5°	106.7	108.3	109.1	109.9	110.7
165°	103.5	104.3	105.1	106.7	106.7
167.5°	100.2	101.0	101.9	102.7	102.7
170°	97.8	98.6	99.4	99.4	99.4
172.5°	95.4	96.2	97.0	97.0	97.0
175°	93.8	94.6	94.6	95.4	95.4
177.5°	93.0	93.8	93.8	93.8	94.6
180°	93.0	93.0	93.0	93.0	93.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1031.4	1046.0	1008.0	882.7	769.5
110°	945.8	962.7	942.5	901.3	844.7



(END OF REPORT)