

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: P827763

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827763
REPORT IS A COMBINATION OF REPORTS P826119 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-A-UNV-L930-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

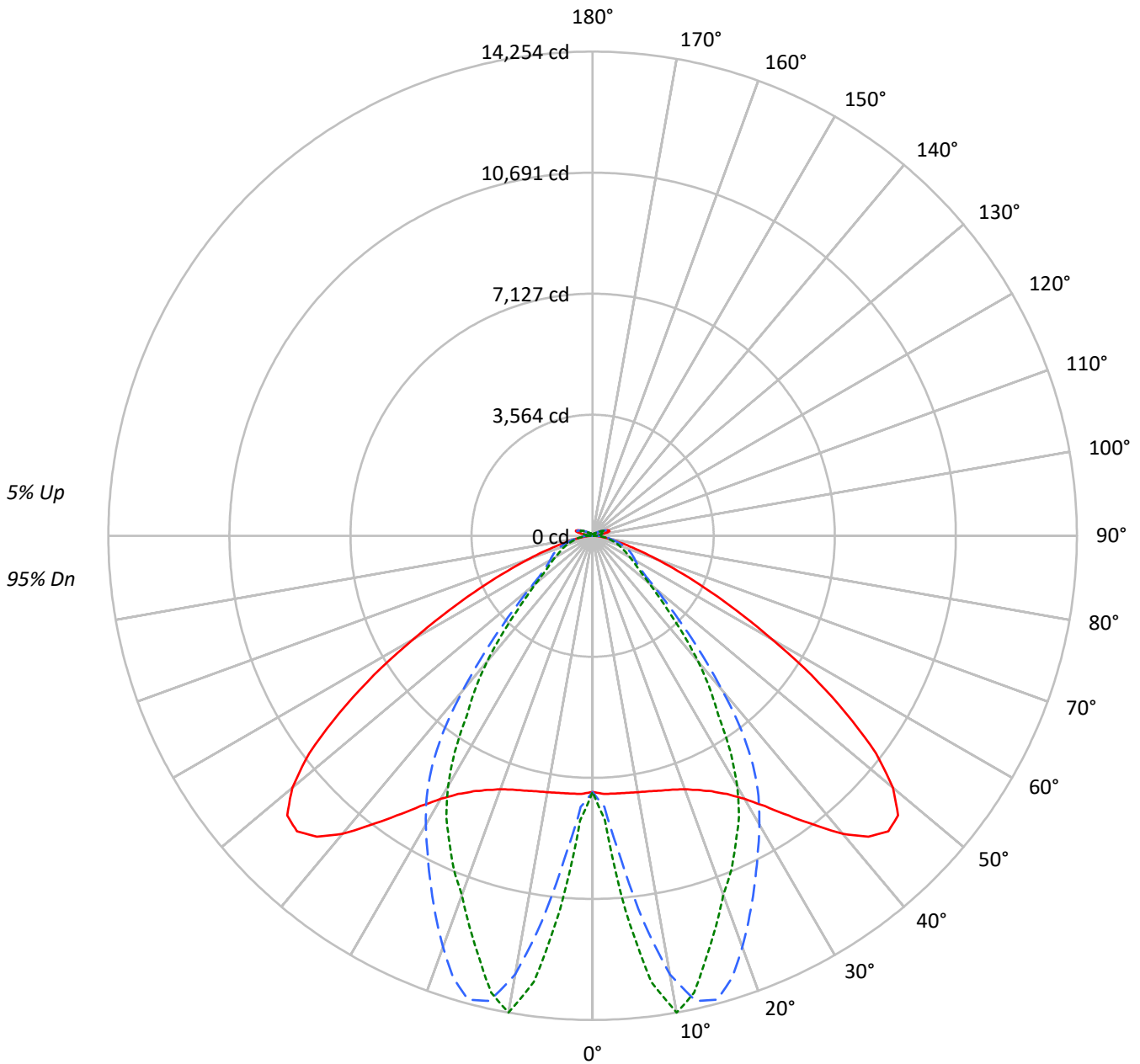
Lumens per Lamp: N/A
Luminaire Lumens: 25432.7 lumens
Efficiency: N/A
Efficacy: 146.1 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 174.1
Input Voltage (V): NR
Input Current (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	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	56	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°	11929	11929	11929
5°	11997	15010	17486
10°	12112	20703	22713
15°	12409	22564	20847
20°	12930	20946	18630
25°	13883	18847	17041
30°	15492	16979	15153
35°	18228	14869	12075
40°	21936	11331	9610
45°	25188	7725	6840
50°	25565	5303	5059
55°	22160	4178	4133
60°	16581	3914	3718
65°	11390	3932	3522
70°	7304	3801	3411
75°	4411	3528	3264
80°	2613	3115	3367
85°	1275	2699	3121



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	984.7	3.9
10°-20°	3475.6	13.7
20°-30°	5121.5	20.1
30°-40°	5381.8	21.2
40°-50°	4118.1	16.2
50°-60°	2486.7	9.8
60°-70°	1517.4	6.0
70°-80°	828.2	3.3
80°-90°	293.8	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°	9581.7	37.7
0°-40°	14963.6	58.8
0°-60°	21568.3	84.8
0°-90°	24207.8	95.2
90°-120°	876.1	3.4
90°-150°	1177.2	4.6
90°-180°	1225.0	4.8
0°-180°	25432.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7543	7543	7543	7543	7543	
5°	7618	8174	9535	10647	11057	728
15°	7767	12097	14138	13193	12883	2208
25°	8300	14040	11287	10219	9967	3879
35°	10054	11243	8223	6848	6448	6378
45°	12305	6416	3788	3333	3193	9297
55°	9100	2176	1724	1598	1593	8041
65°	3648	1377	1269	1086	1030	3738
75°	971	856	786	648	622	1118
85°	145	266	313	285	259	179
90°	2	18	23	31	35	10
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°	7542.9	7542.9	7542.9	7542.9	7542.9
2.5°	7604.6	7682.2	7988.3	8305.9	8383.1
5°	7618.5	8173.5	9535.0	10646.6	11057.4
7.5°	7634.7	8969.6	11451.4	12812.5	13248.2
10°	7665.4	9976.1	13112.0	14089.2	14253.8
12.5°	7703.6	11042.6	14025.8	13990.1	13782.5
15°	7767.0	12097.4	14138.3	13193.2	12883.0
17.5°	7833.6	12989.8	13647.3	12325.7	12055.6
20°	7942.0	13652.2	12883.6	11554.6	11247.6
22.5°	8098.2	14016.4	12082.8	10857.2	10657.1
25°	8299.7	14040.0	11287.4	10219.1	9966.8
27.5°	8569.8	13714.3	10525.1	9593.9	9327.4
30°	8937.3	13090.6	9816.7	8839.9	8509.3
32.5°	9436.3	12193.1	9086.4	7929.7	7559.0
35°	10053.5	11243.4	8223.1	6848.1	6447.7
37.5°	10726.9	10189.0	7175.4	5890.3	5657.1
40°	11451.4	9102.6	5933.7	4994.0	4827.2
42.5°	12016.8	7921.3	4780.2	4150.2	3972.6
45°	12305.0	6415.7	3787.9	3333.2	3193.1
47.5°	12192.7	4980.1	3002.9	2648.4	2606.4
50°	11537.7	3677.3	2403.9	2181.7	2164.2
52.5°	10513.7	2740.9	1985.7	1848.2	1818.1
55°	9100.0	2175.5	1724.3	1598.2	1593.3
57.5°	7640.2	1848.2	1565.2	1467.5	1433.5
60°	6083.1	1647.9	1444.5	1334.2	1265.4
62.5°	4768.3	1507.9	1355.9	1206.1	1141.8
65°	3648.2	1377.2	1268.6	1085.5	1030.2
67.5°	2719.6	1252.8	1161.8	958.7	926.4
70°	1981.5	1125.0	1040.2	852.6	827.1
72.5°	1412.2	997.5	918.6	753.0	724.8
75°	971.3	856.5	785.7	648.2	622.0
77.5°	655.3	712.5	654.7	553.4	542.4
80°	437.6	565.1	529.5	469.0	462.2
82.5°	265.5	410.1	417.9	381.4	362.9
85°	144.6	265.5	313.1	285.3	258.7
87.5°	56.6	147.2	215.7	193.8	182.4
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)