

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: P827764

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827764
REPORT IS A COMBINATION OF REPORTS P826275 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-30HE-A-UNV-L930-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

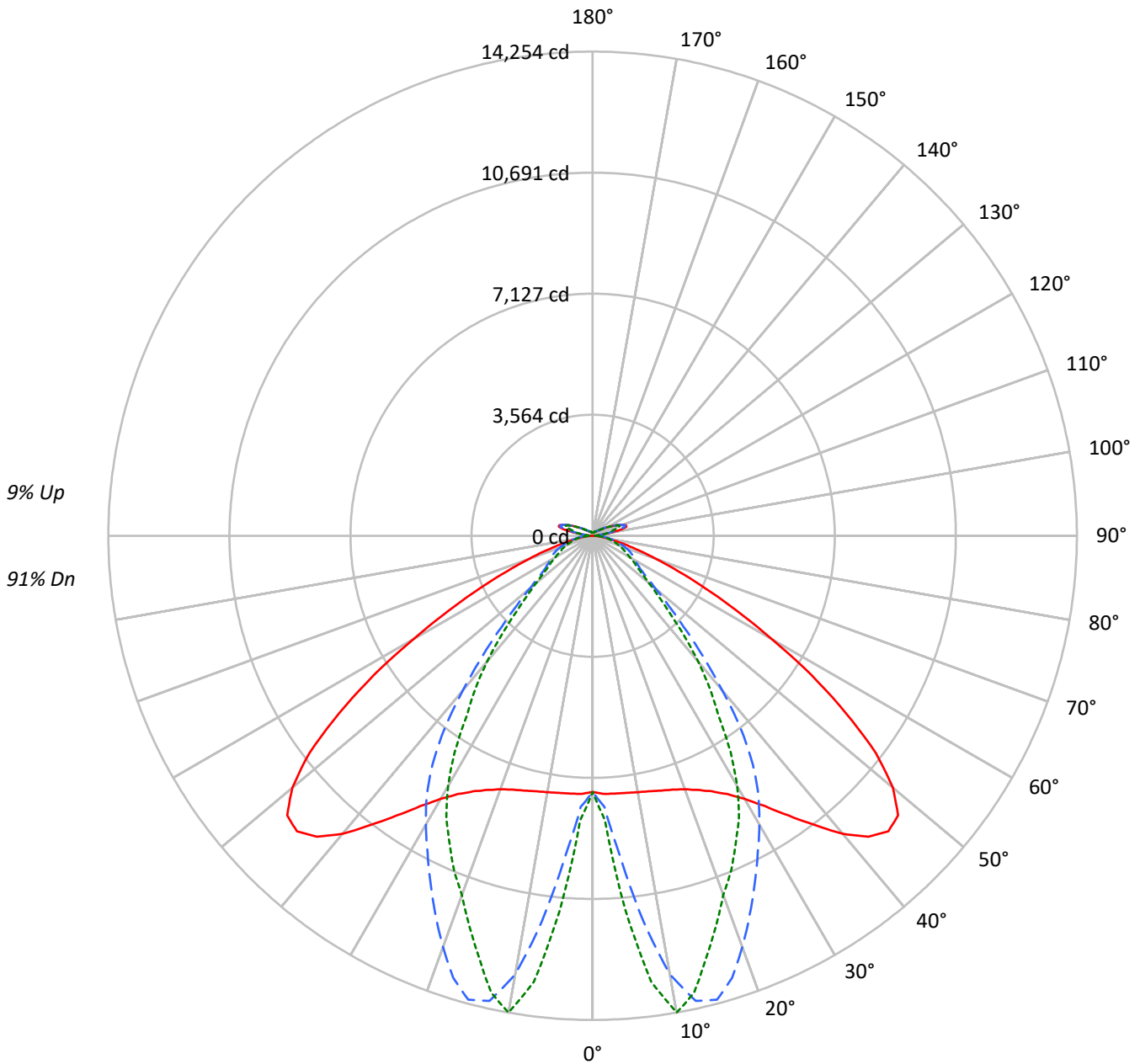
Lumens per Lamp: N/A
Luminaire Lumens: 26680.6 lumens
Efficiency: N/A
Efficacy: 142.7 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 187
Input Voltage (V): NR
Input Current (A_{in}): 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	0
RCR																		
0	117	117	117	117	113	113	113	113	106	106	106	99	99	99	94	94	94	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	68	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	38	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	38	33	55	44	37	32	42	36	32	41	35	31	39	34	31	29

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	3.7
10°-20°	3475.6	13.0
20°-30°	5121.5	19.2
30°-40°	5381.8	20.2
40°-50°	4118.1	15.4
50°-60°	2486.7	9.3
60°-70°	1517.4	5.7
70°-80°	828.2	3.1
80°-90°	296.0	1.1
90°-100°	191.3	0.7
100°-110°	865.1	3.2
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°	9581.7	35.9
0°-40°	14963.6	56.1
0°-60°	21568.3	80.8
0°-90°	24210.0	90.7
90°-120°	1768.6	6.6
90°-150°	2373.2	8.9
90°-180°	2471.0	9.3
0°-180°	26680.6	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°	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°	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°	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)