

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: P827729

Luminaire Tested: **OHBL-24HE-A-UNV-L930-CD-UPL36**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827729
REPORT IS A COMBINATION OF REPORTS P826299 AND G3-2310-221-2
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-24HE-A-UNV-L930-CD-UPL36
Description:
Light Source: -
Ballast/Driver: -

Summary

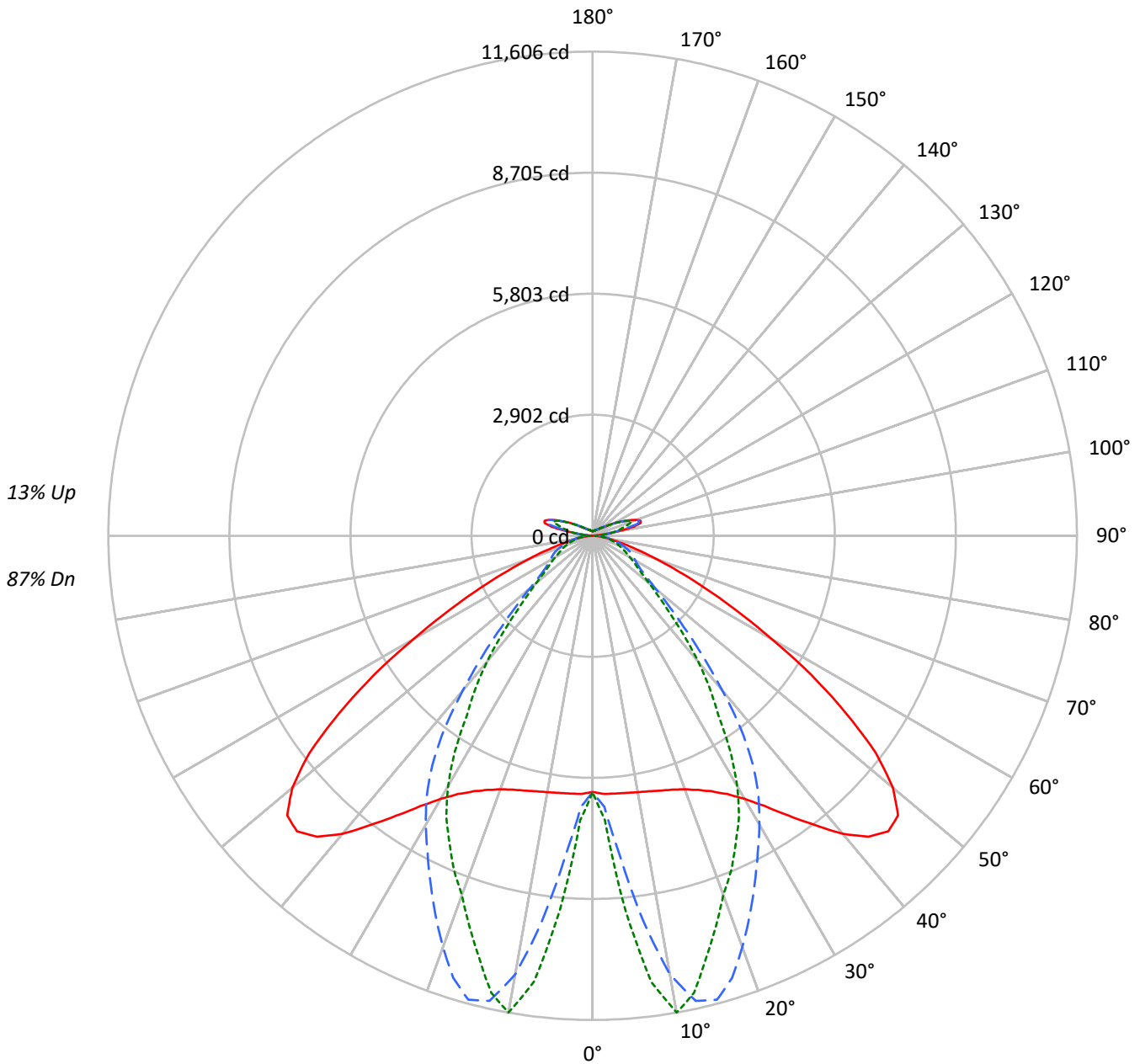
Lumens per Lamp: N/A
Luminaire Lumens: 22603.5 lumens
Efficiency: N/A
Efficacy: 139.7 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 161.8
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				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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	90	90	90	87				87
1	108	104	100	97	104	100	97	94	94	91	89	88	86	84	82	81	79	76				76
2	99	92	87	82	96	89	84	80	84	80	76	79	76	73	74	72	69	67				67
3	92	83	76	70	88	80	74	69	76	70	66	71	67	63	67	64	61	58				58
4	85	75	67	61	82	72	66	60	68	63	58	65	60	56	61	57	54	52				52
5	79	68	60	54	76	66	58	53	62	56	51	59	54	50	56	52	48	46				46
6	73	61	54	48	71	60	53	47	57	51	46	54	49	45	52	47	43	41				41
7	68	56	48	43	66	55	48	42	52	46	41	50	44	40	48	43	39	37				37
8	64	52	44	39	62	50	43	38	48	42	37	46	40	36	44	39	35	34				34
9	60	48	40	35	58	47	40	35	45	38	34	43	37	33	41	36	32	31				31
10	56	44	37	32	54	43	36	32	41	35	31	40	34	30	38	33	30	28				28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9713	9713	9713
5°	9769	12221	14238
10°	9862	16857	18494
15°	10103	18372	16974
20°	10528	17055	15169
25°	11304	15345	13875
30°	12614	13825	12338
35°	14841	12107	9832
40°	17861	9226	7825
45°	20509	6290	5569
50°	20816	4318	4119
55°	18043	3402	3365
60°	13501	3186	3028
65°	9274	3202	2868
70°	5947	3095	2777
75°	3591	2873	2657
80°	2128	2536	2742
85°	1037	2197	2542



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	801.8	3.5
10°-20°	2829.9	12.5
20°-30°	4170.0	18.4
30°-40°	4382.0	19.4
40°-50°	3353.0	14.8
50°-60°	2024.7	9.0
60°-70°	1235.5	5.5
70°-80°	674.4	3.0
80°-90°	242.9	1.1
90°-100°	222.4	1.0
100°-110°	1007.3	4.5
110°-120°	833.6	3.7
120°-130°	394.6	1.7
130°-140°	199.8	0.9
140°-150°	116.8	0.5
150°-160°	68.5	0.3
160°-170°	35.6	0.2
170°-180°	10.9	0.0
0°-30°	7801.6	34.5
0°-40°	12183.6	53.9
0°-60°	17561.4	77.7
0°-90°	19714.2	87.2
90°-120°	2063.3	9.1
90°-150°	2774.4	12.3
90°-180°	2889.0	12.8
0°-180°	22603.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6142	6142	6142	6142	6142	
5°	6203	6655	7764	8669	9003	593
15°	6324	9850	11512	10742	10490	1798
25°	6758	11432	9190	8321	8115	3158
35°	8186	9155	6695	5576	5250	5193
45°	10019	5224	3084	2714	2600	7570
55°	7409	1771	1404	1301	1297	6547
65°	2970	1121	1033	884	839	3044
75°	791	697	640	528	506	910
85°	118	216	255	232	211	145
90°	6	40	51	58	59	11
95°	50	100	133	170	183	187
105°	1194	1192	1120	833	753	1135
115°	833	821	828	833	825	842
125°	410	424	434	427	419	386
135°	242	248	255	257	258	192
145°	176	180	184	187	188	112
155°	142	145	147	149	149	67
165°	122	124	124	125	126	35
175°	112	112	112	112	113	11
180°	110	110	110	110	110	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6141.6	6141.6	6141.6	6141.6	6141.6
2.5°	6191.8	6255.0	6504.2	6762.8	6825.7
5°	6203.2	6655.1	7763.6	8668.7	9003.2
7.5°	6216.3	7303.2	9324.0	10432.2	10787.0
10°	6241.4	8122.8	10676.1	11471.7	11605.7
12.5°	6272.4	8991.1	11420.1	11391.1	11222.0
15°	6324.1	9849.9	11511.7	10742.2	10489.6
17.5°	6378.3	10576.5	11111.9	10035.9	9815.9
20°	6466.5	11115.9	10490.1	9407.9	9158.1
22.5°	6593.7	11412.5	9838.1	8840.2	8677.1
25°	6757.8	11431.6	9190.4	8320.6	8115.2
27.5°	6977.7	11166.4	8569.7	7811.5	7594.5
30°	7276.9	10658.7	7993.0	7197.6	6928.5
32.5°	7683.2	9927.9	7398.3	6456.5	6154.7
35°	8185.7	9154.6	6695.4	5575.9	5249.8
37.5°	8734.0	8296.1	5842.4	4796.0	4606.1
40°	9324.0	7411.4	4831.3	4066.2	3930.4
42.5°	9784.3	6449.7	3892.2	3379.2	3234.5
45°	10019.0	5223.8	3084.2	2713.9	2599.9
47.5°	9927.6	4054.9	2445.0	2156.4	2122.1
50°	9394.3	2994.1	1957.3	1776.4	1762.2
52.5°	8560.5	2231.7	1616.7	1504.9	1480.4
55°	7409.3	1771.4	1404.0	1301.3	1297.3
57.5°	6220.8	1504.9	1274.4	1194.9	1167.2
60°	4953.0	1341.8	1176.1	1086.3	1030.3
62.5°	3882.4	1227.8	1104.0	982.0	929.7
65°	2970.5	1121.4	1032.9	883.8	838.8
67.5°	2214.3	1020.0	946.0	780.6	754.3
70°	1613.4	916.0	847.0	694.2	673.4
72.5°	1149.9	812.2	748.0	613.1	590.2
75°	790.9	697.3	639.7	527.8	506.4
77.5°	533.6	580.1	533.0	450.6	441.7
80°	356.3	460.1	431.1	381.9	376.4
82.5°	216.2	333.9	340.2	310.5	295.5
85°	117.7	216.2	254.9	232.3	210.7
87.5°	46.1	119.8	175.7	157.8	148.6
90°	6.5	39.6	50.9	58.2	59.0
92.5°	20.2	48.5	62.2	77.6	82.4
95°	50.1	100.2	133.4	169.8	182.7
97.5°	302.3	325.0	282.1	337.1	356.5
100°	649.1	666.1	516.5	520.6	536.7
102.5°	1016.9	1030.6	814.8	674.2	649.9
105°	1193.9	1191.5	1120.4	833.4	752.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	978.1	980.5	971.6	968.4	942.5
115°	832.6	821.3	827.7	833.4	825.3
117.5°	712.1	704.1	710.5	707.3	698.4
120°	599.0	599.0	607.1	595.7	589.3
122.5°	496.3	507.6	513.3	505.2	494.7
125°	409.8	424.4	434.1	426.8	418.7
127.5°	351.6	356.5	367.8	363.8	363.8
130°	302.3	308.8	317.7	319.3	317.7
132.5°	268.4	274.8	282.9	285.3	287.8
135°	242.5	248.2	254.6	257.0	257.9
137.5°	221.5	226.3	231.2	235.2	236.0
140°	203.7	208.6	213.4	216.6	216.6
142.5°	189.2	194.0	198.0	200.5	200.5
145°	176.2	180.3	184.3	186.7	187.5
147.5°	166.5	169.8	173.8	174.6	175.4
150°	157.6	160.0	163.3	164.9	165.7
152.5°	149.5	152.0	155.2	156.0	156.8
155°	142.3	144.7	147.1	148.7	148.7
157.5°	135.8	138.2	140.6	141.5	141.5
160°	131.0	132.6	135.0	135.0	135.8
162.5°	126.1	127.7	129.3	130.1	131.0
165°	122.1	123.7	124.5	125.3	126.1
167.5°	118.8	119.6	120.4	121.2	121.2
170°	115.6	116.4	117.2	117.2	118.0
172.5°	113.2	114.0	114.8	114.8	114.8
175°	111.6	111.6	112.4	112.4	113.2
177.5°	109.9	110.7	110.7	110.7	111.6
180°	109.9	109.9	109.9	109.9	109.9



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1205.2	1207.6	1178.6	1037.9	897.2
110°	1112.3	1122.8	1104.2	1058.1	994.2



(END OF REPORT)