

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: P827755

Luminaire Tested: **OHBL-24SE-N-UNV-L930-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827755
REPORT IS A COMBINATION OF REPORTS P826248 AND G3-2310-221-6
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-24SE-N-UNV-L930-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

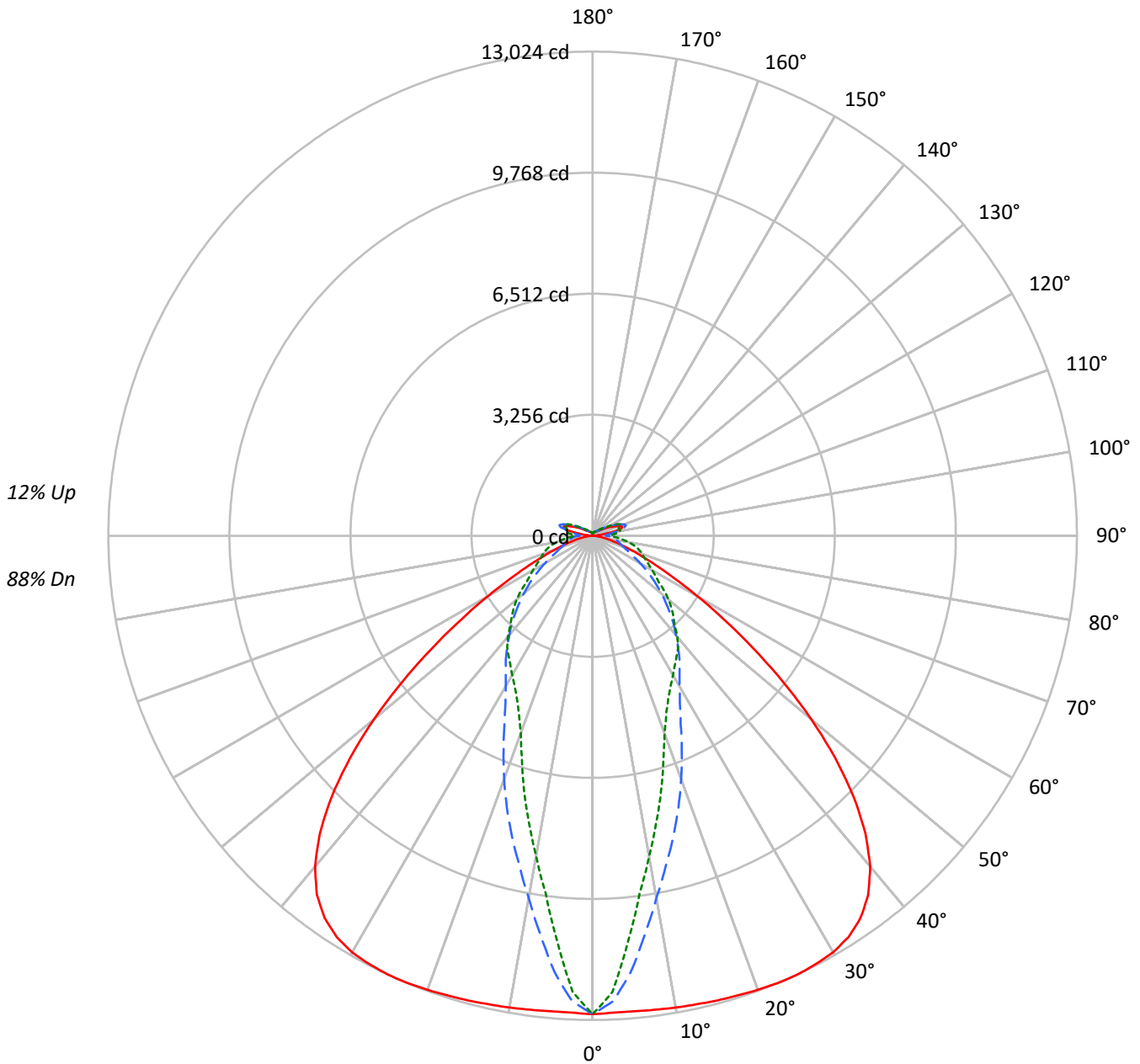
Lumens per Lamp: N/A
Luminaire Lumens: 20945.8 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 155.4
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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	91	91	91	88			88
1	107	102	98	95	103	99	95	92	92	90	87	86	84	82	81	79	78	75			75
2	98	91	84	79	94	88	82	77	82	78	74	77	74	70	73	70	67	64			64
3	90	81	74	68	87	78	72	66	74	68	64	69	65	61	65	62	58	56			56
4	83	73	65	59	80	71	63	58	67	60	56	63	58	54	59	55	52	49			49
5	77	66	58	52	75	64	56	51	61	54	49	57	52	48	54	50	46	44			44
6	72	60	52	46	69	58	51	45	55	49	44	53	47	43	50	45	41	39			39
7	67	55	47	41	65	53	46	41	51	44	40	48	43	38	46	41	37	35			35
8	63	50	43	37	61	49	42	37	47	41	36	45	39	35	43	38	34	32			32
9	59	47	39	34	57	46	38	34	44	37	33	42	36	32	40	35	31	29			29
10	56	43	36	31	54	42	35	31	41	34	30	39	33	29	37	32	29	27			27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21976	21976	21976
5°	21824	20012	18697
10°	21963	16857	15066
15°	22281	14417	12427
20°	22790	12190	10103
25°	23451	10090	8900
30°	24122	8693	8316
35°	24470	7922	7973
40°	23884	7156	7617
45°	21799	6466	7108
50°	18223	5713	6733
55°	13694	5004	6058
60°	9466	4291	5880
65°	6255	3696	5860
70°	4169	3468	6300
75°	2790	3577	6981
80°	1806	3961	7641
85°	929	4956	9111



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1083.1	5.2
10°-20°	2547.9	12.2
20°-30°	3193.7	15.2
30°-40°	3388.9	16.2
40°-50°	3064.1	14.6
50°-60°	2221.7	10.6
60°-70°	1394.2	6.7
70°-80°	922.6	4.4
80°-90°	536.5	2.6
90°-100°	444.9	2.1
100°-110°	828.4	4.0
110°-120°	667.8	3.2
120°-130°	320.9	1.5
130°-140°	158.4	0.8
140°-150°	91.0	0.4
150°-160°	51.1	0.2
160°-170°	23.5	0.1
170°-180°	7.1	0.0
0°-30°	6824.7	32.6
0°-40°	10213.6	48.8
0°-60°	15499.3	74.0
0°-90°	18352.7	87.6
90°-120°	1941.1	9.3
90°-150°	2511.4	12.0
90°-180°	2593.0	12.4
0°-180°	20945.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12866	12866	12866	12866	12866	
5°	12841	12511	11776	11230	10947	###
15°	12939	10546	8376	7449	7111	3669
25°	13024	8154	5608	4978	4820	6017
35°	12558	5421	4070	3943	3942	7806
45°	9927	3434	2950	3021	3072	7563
55°	5256	2128	1925	2088	2162	4749
65°	1880	1234	1114	1428	1587	1956
75°	580	665	748	1162	1232	647
85°	102	276	547	762	699	122
90°	4	143	355	497	506	10
95°	48	171	418	564	605	137
105°	820	856	886	755	723	779
115°	573	603	702	735	734	577
125°	288	307	363	381	377	269
135°	174	180	201	220	222	137
145°	132	136	141	152	151	83
155°	108	114	117	119	116	48
165°	81	82	82	82	82	23
175°	73	74	74	74	74	7
180°	73	73	73	73	73	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12866.3	12866.3	12866.3	12866.3	12866.3
2.5°	12839.4	12765.9	12536.9	12397.3	12279.7
5°	12840.6	12511.2	11776.4	11230.3	10947.4
7.5°	12859.0	12126.7	10803.0	10005.8	9694.7
10°	12887.1	11650.3	9894.3	9044.5	8754.2
12.5°	12908.0	11114.0	9094.7	8221.6	7903.2
15°	12938.6	10545.8	8375.9	7449.0	7110.9
17.5°	12966.7	10010.6	7665.7	6697.0	6321.1
20°	12994.8	9433.9	6955.4	5957.4	5647.6
22.5°	13021.8	8825.3	6262.3	5383.1	5171.2
25°	13024.3	8154.2	5608.5	4977.8	4819.8
27.5°	12992.4	7458.7	5078.2	4638.6	4540.7
30°	12937.3	6784.0	4666.8	4393.7	4323.9
32.5°	12800.2	6095.8	4348.3	4157.3	4116.9
35°	12557.7	5421.1	4070.4	3943.0	3941.8
37.5°	12175.7	4822.3	3769.2	3747.1	3774.0
40°	11611.1	4298.2	3483.8	3542.6	3542.6
42.5°	10858.0	3842.7	3225.5	3285.5	3269.5
45°	9927.4	3433.6	2949.9	3021.0	3072.4
47.5°	8848.6	3073.6	2668.3	2805.4	2876.5
50°	7675.4	2730.7	2411.1	2586.3	2667.1
52.5°	6446.0	2413.6	2160.1	2360.9	2425.8
55°	5255.8	2128.3	1925.0	2087.8	2162.5
57.5°	4178.1	1856.4	1694.8	1849.1	2003.4
60°	3251.2	1622.5	1478.0	1698.5	1852.7
62.5°	2483.4	1414.3	1274.7	1557.7	1711.9
65°	1879.7	1234.3	1114.4	1427.8	1587.0
67.5°	1416.8	1078.8	989.4	1333.5	1489.0
70°	1064.2	928.2	889.0	1274.7	1414.3
72.5°	786.2	789.8	809.5	1223.3	1329.9
75°	580.5	664.9	748.2	1162.1	1231.9
77.5°	415.2	551.0	693.1	1088.6	1113.1
80°	287.8	449.4	635.5	991.9	971.1
82.5°	180.0	360.0	584.1	885.4	827.8
85°	101.6	275.6	547.4	761.7	699.2
87.5°	45.3	205.7	478.8	593.9	554.8
90°	4.0	142.6	355.2	497.0	506.4
92.5°	16.2	131.9	350.9	491.5	514.2
95°	47.8	170.6	418.2	563.9	605.3
97.5°	223.6	306.3	515.1	659.0	700.4
100°	453.6	537.4	623.5	728.6	748.2
102.5°	698.1	744.2	721.2	742.9	746.3
105°	820.5	855.8	885.5	755.2	723.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	665.3	704.5	803.0	824.8	805.0
115°	572.9	603.0	702.2	734.9	733.6
117.5°	493.2	512.4	602.6	632.4	634.4
120°	410.8	434.4	515.2	536.8	532.0
122.5°	346.9	366.4	432.5	451.7	445.6
125°	287.9	307.3	363.2	380.8	377.2
127.5°	244.7	257.6	306.1	324.1	322.0
130°	214.8	223.7	261.2	279.1	279.9
132.5°	190.8	199.0	226.7	247.1	246.3
135°	173.9	179.6	201.2	219.9	221.6
137.5°	160.1	166.3	180.9	199.3	199.3
140°	148.0	153.7	165.1	181.4	182.2
142.5°	138.8	143.2	151.3	165.2	165.2
145°	131.9	136.4	141.2	151.8	151.4
147.5°	124.6	130.3	133.1	140.9	139.7
150°	119.0	124.2	126.7	131.2	130.8
152.5°	113.3	118.6	121.0	124.3	123.0
155°	108.5	113.7	116.6	118.7	116.2
157.5°	89.7	91.3	93.0	93.8	93.8
160°	86.5	87.3	88.9	89.7	89.7
162.5°	83.3	84.1	84.9	85.7	85.7
165°	80.8	81.6	82.4	82.4	82.4
167.5°	78.4	78.4	79.2	80.0	80.0
170°	76.0	76.8	76.8	77.6	77.6
172.5°	74.4	75.2	75.2	75.2	76.0
175°	72.8	73.6	73.6	74.4	74.4
177.5°	72.8	72.8	72.8	72.8	72.8
180°	72.8	72.8	72.8	72.8	72.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	823.8	867.4	940.3	830.5	740.4
110°	761.9	803.6	892.1	875.1	804.5



(END OF REPORT)