

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: P826542

Luminaire Tested: **OHBL-24HE-W-UNV-L830-CD-UPL12**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826542
REPORT IS A COMBINATION OF REPORTS P826076 AND G3-2310-221-12
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-24HE-W-UNV-L830-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

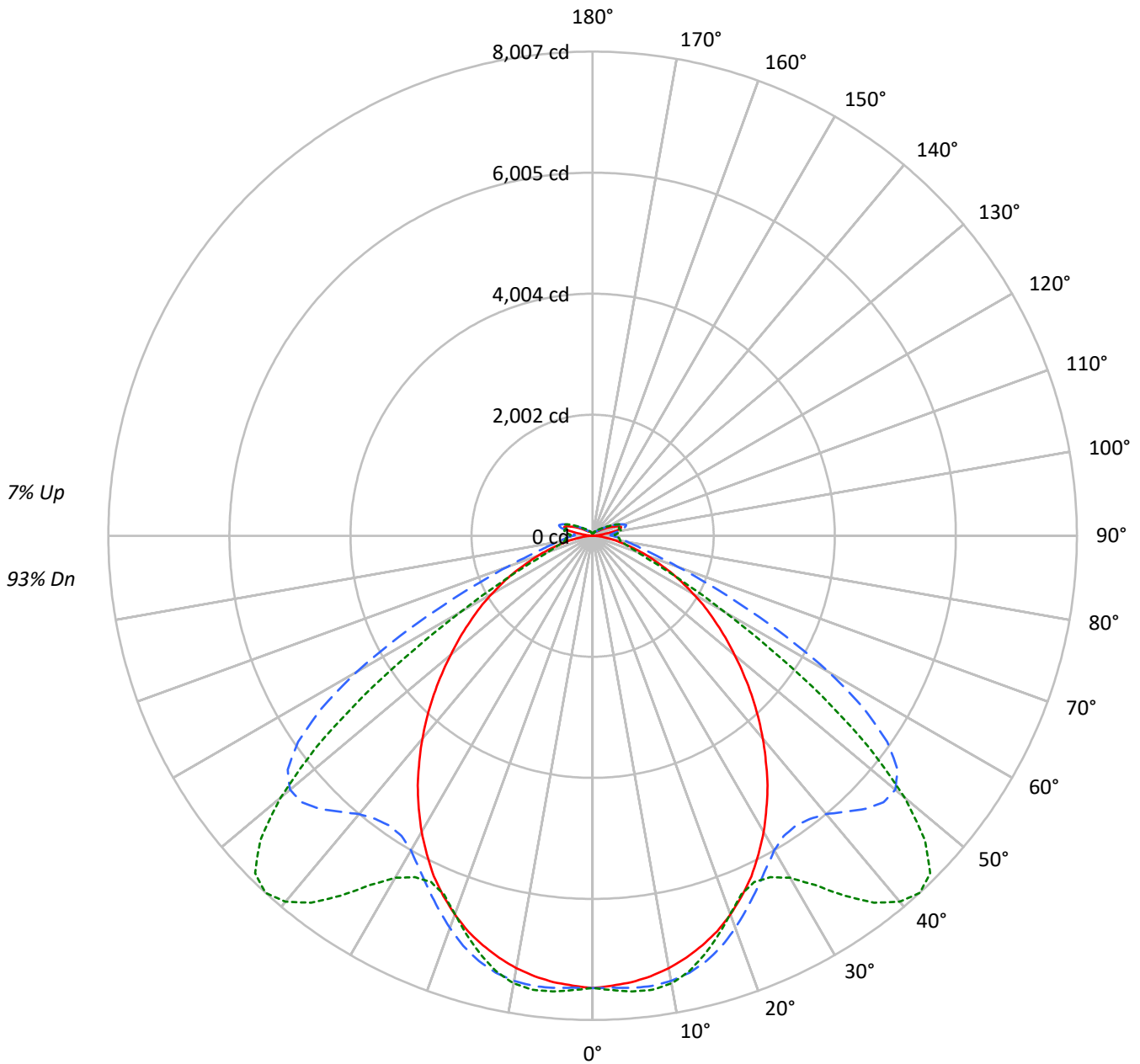
Lumens per Lamp: N/A
Luminaire Lumens: 23552.6 lumens
Efficiency: N/A
Efficacy: 166.6 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 141.4
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									
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	114	114	114	114	107	107	107	101	101	101	96	96	96	93																			
1	108	103	99	95	104	100	96	93	95	92	89	90	87	85	85	83	81	79																			
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	75	72	69	66																			
3	90	79	71	65	86	77	70	64	73	67	62	70	64	60	66	62	58	56																			
4	82	70	62	55	79	68	60	54	65	58	53	62	56	51	59	54	50	48																			
5	75	63	54	47	73	61	53	47	58	51	45	55	49	44	53	48	43	41																			
6	69	56	47	41	67	55	47	41	52	45	40	50	44	39	48	42	38	36																			
7	64	51	42	36	62	50	41	36	47	40	35	45	39	34	43	38	33	31																			
8	59	46	38	32	58	45	37	32	43	36	31	41	35	30	40	34	30	28																			
9	55	42	34	28	54	41	34	28	40	33	28	38	32	27	37	31	27	25																			
10	52	39	31	26	50	38	30	25	37	30	25	35	29	25	34	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11828	11828	11828
5°	11668	11817	11963
10°	11473	11804	11977
15°	11201	11614	11593
20°	10847	11220	11025
25°	10392	10742	10804
30°	9804	10388	11626
35°	9143	10586	13605
40°	8386	11472	15728
45°	7600	13022	16906
50°	6786	14411	15732
55°	6020	14406	12021
60°	5243	12202	7350
65°	4428	8438	4452
70°	3521	5465	3214
75°	2594	3927	2980
80°	1763	3464	3362
85°	1067	3840	5315



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	714.7	3.0
10°-20°	2023.9	8.6
20°-30°	2961.6	12.6
30°-40°	3846.2	16.3
40°-50°	4696.7	19.9
50°-60°	4136.2	17.6
60°-70°	2155.4	9.2
70°-80°	924.3	3.9
80°-90°	446.8	1.9
90°-100°	319.3	1.4
100°-110°	514.8	2.2
110°-120°	407.5	1.7
120°-130°	200.2	0.9
130°-140°	100.2	0.4
140°-150°	56.2	0.2
150°-160°	30.4	0.1
160°-170°	14.0	0.1
170°-180°	4.2	0.0
0°-30°	5700.2	24.2
0°-40°	9546.4	40.5
0°-60°	18379.3	78.0
0°-90°	21905.8	93.0
90°-120°	1241.5	5.3
90°-150°	1598.2	6.8
90°-180°	1647.0	7.0
0°-180°	23552.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7479	7479	7479	7479	7479	
5°	7410	7466	7506	7573	7565	703
15°	7011	7208	7277	7223	7164	1974
25°	6212	6545	6434	6312	6319	2851
35°	5043	5575	5854	6827	7264	3143
45°	3713	4671	6385	7731	7892	2863
55°	2472	4092	5946	5214	4634	2219
65°	1418	2835	2722	1514	1302	1403
75°	571	1326	874	599	568	623
85°	121	473	445	436	440	135
90°	4	188	316	364	376	10
95°	26	154	314	382	407	79
105°	488	532	557	470	450	462
115°	345	367	430	448	445	345
125°	175	186	229	243	246	162
135°	105	107	127	146	148	83
145°	83	81	84	94	99	52
155°	69	70	67	68	68	30
165°	48	48	49	49	49	14
175°	44	44	44	44	44	4
180°	43	43	43	43	43	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7479.2	7479.2	7479.2	7479.2	7479.2
2.5°	7446.9	7479.2	7480.7	7526.0	7521.1
5°	7409.7	7466.2	7506.5	7572.7	7564.7
7.5°	7348.4	7437.2	7508.2	7580.8	7574.4
10°	7261.3	7382.3	7475.9	7535.6	7516.3
12.5°	7148.3	7308.1	7400.1	7413.0	7375.9
15°	7011.2	7208.1	7277.4	7222.6	7164.4
17.5°	6856.2	7087.0	7111.2	6991.8	6919.2
20°	6662.6	6925.7	6901.5	6736.8	6656.2
22.5°	6448.0	6748.2	6670.7	6498.1	6420.6
25°	6212.5	6544.9	6433.5	6312.5	6318.9
27.5°	5936.5	6314.1	6206.0	6260.9	6364.1
30°	5655.7	6072.1	6005.9	6325.4	6528.7
32.5°	5347.5	5823.5	5883.3	6514.2	6846.6
35°	5042.6	5575.1	5854.2	6827.2	7264.5
37.5°	4705.4	5323.3	5901.0	7188.6	7646.9
40°	4377.7	5078.0	6007.5	7513.0	7900.3
42.5°	4043.7	4858.6	6186.6	7705.0	8006.8
45°	3712.9	4671.4	6385.1	7730.9	7892.2
47.5°	3382.1	4513.3	6522.3	7526.0	7451.7
50°	3062.6	4372.9	6531.9	7033.8	6730.4
52.5°	2764.1	4243.8	6354.4	6249.5	5778.4
55°	2472.0	4092.1	5946.2	5213.6	4634.4
57.5°	2205.8	3882.4	5316.9	4100.2	3467.6
60°	1923.5	3598.4	4503.6	2999.7	2501.1
62.5°	1663.6	3245.0	3591.9	2088.0	1797.6
65°	1418.4	2835.1	2722.2	1513.5	1302.2
67.5°	1158.5	2410.8	2009.0	1103.7	968.2
70°	955.3	2017.0	1495.9	858.4	779.3
72.5°	747.1	1642.7	1118.2	697.1	653.5
75°	571.2	1326.4	874.5	598.6	568.0
77.5°	421.2	1048.8	703.5	529.3	500.3
80°	295.3	826.1	588.9	472.8	461.5
82.5°	198.5	639.0	501.8	450.2	451.8
85°	121.1	472.8	445.4	435.7	440.5
87.5°	58.1	335.7	382.5	397.0	401.8
90°	4.4	187.8	316.0	364.5	376.3
92.5°	8.4	152.1	293.5	350.4	363.1
95°	26.5	154.0	314.0	382.3	407.1
97.5°	128.9	219.1	364.2	434.1	448.2
100°	261.7	347.4	417.0	467.6	477.1
102.5°	413.4	465.8	461.8	469.5	468.1
105°	487.5	532.0	557.4	469.8	449.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	398.6	430.5	495.4	503.2	490.6
115°	344.7	367.3	429.5	447.7	445.4
117.5°	292.3	313.8	369.8	386.4	386.2
120°	246.7	265.2	313.9	329.5	331.1
122.5°	209.5	222.2	268.6	283.5	286.1
125°	175.0	186.4	228.9	243.2	245.7
127.5°	146.5	153.6	195.7	210.9	212.5
130°	128.8	132.5	166.2	183.3	186.5
132.5°	115.8	118.6	144.9	161.9	166.1
135°	104.6	107.4	127.2	145.9	147.6
137.5°	97.2	99.0	113.1	130.2	134.4
140°	89.7	92.5	100.8	117.9	119.5
142.5°	85.7	86.0	92.7	106.5	109.1
145°	82.7	81.3	83.8	94.5	98.6
147.5°	78.1	78.3	80.1	86.6	89.1
150°	75.3	76.2	73.9	78.1	81.2
152.5°	71.6	72.5	70.2	71.1	74.4
155°	68.8	69.7	67.4	68.3	68.3
157.5°	53.0	54.9	54.9	55.8	55.8
160°	51.2	52.1	53.0	53.0	53.0
162.5°	49.3	50.2	50.2	51.2	51.2
165°	48.4	48.4	49.3	49.3	49.3
167.5°	46.5	46.5	47.5	47.5	47.5
170°	45.6	45.6	45.6	46.5	46.5
172.5°	44.7	44.7	44.7	44.7	44.7
175°	43.7	43.7	43.7	43.7	43.7
177.5°	42.8	43.7	43.7	43.7	43.7
180°	42.8	42.8	42.8	42.8	42.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	492.0	535.8	583.2	510.0	453.7
110°	451.0	493.0	548.4	536.1	491.8



(END OF REPORT)