

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: P827767

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827767
REPORT IS A COMBINATION OF REPORTS P826121 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-MFL-UNV-L930-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

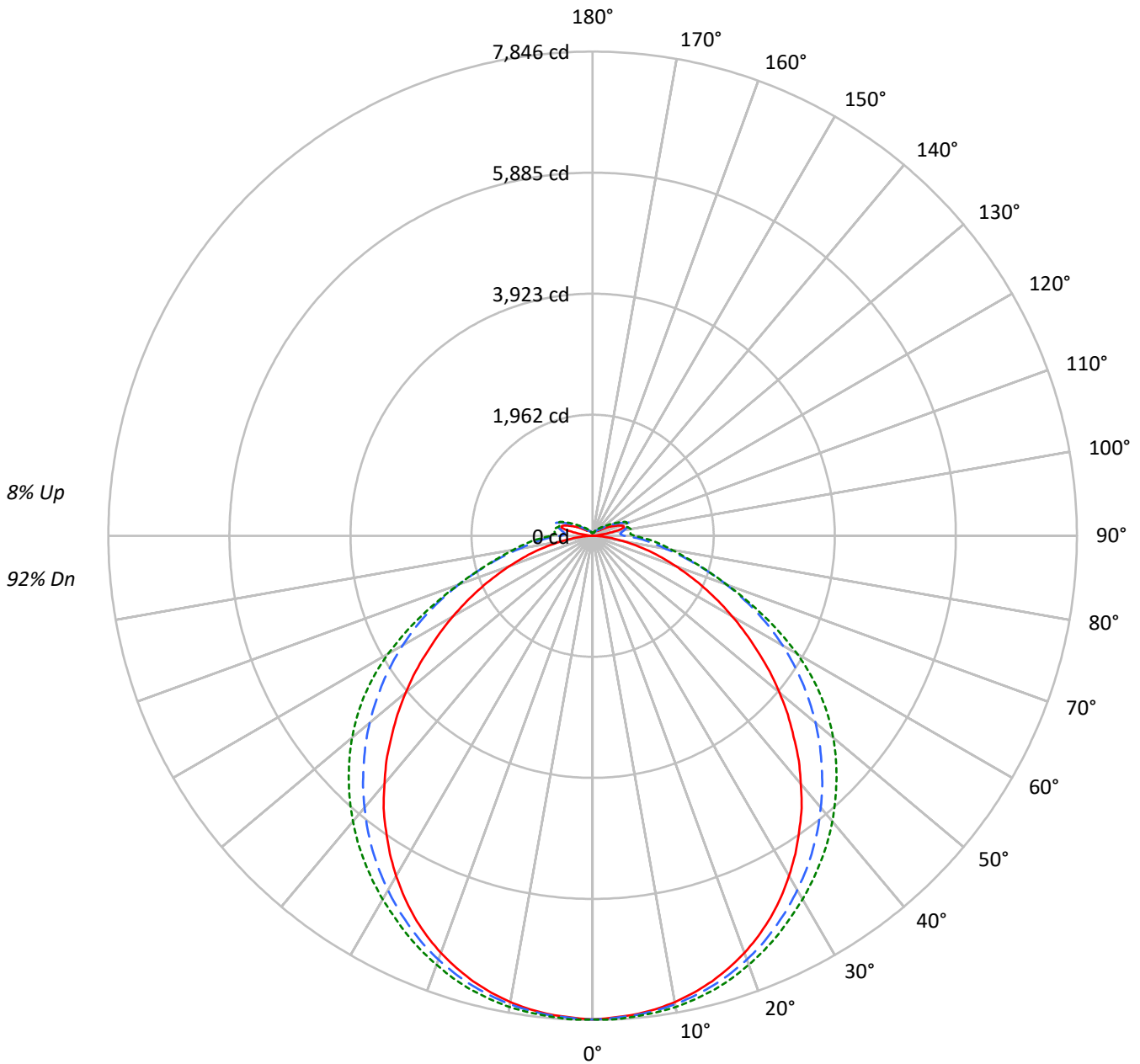
Lumens per Lamp: N/A
Luminaire Lumens: 24687.5 lumens
Efficiency: N/A
Efficacy: 141.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 174.1
Input Voltage (V): NR
Input Current (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									
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	113	113	113	113	107	107	107	100	100	100	95	95	95	92																			
1	106	101	97	93	103	98	94	91	93	89	86	87	85	82	82	80	78	76																			
2	97	88	81	75	93	86	79	74	81	75	71	76	72	68	72	69	65	63																			
3	88	77	69	63	85	75	68	61	71	65	59	67	62	57	64	59	55	53																			
4	80	68	60	53	78	67	58	52	63	56	50	60	54	49	57	52	47	45																			
5	74	61	52	45	71	59	51	45	56	49	44	54	47	42	51	46	41	39																			
6	68	55	46	40	66	54	45	39	51	44	38	49	42	37	46	41	36	34																			
7	63	50	41	35	61	49	40	35	46	39	34	44	38	33	42	36	32	30																			
8	59	45	37	31	57	44	36	31	42	35	30	40	34	29	39	33	29	27																			
9	55	42	33	28	53	41	33	28	39	32	27	37	31	27	36	30	26	24																			
10	52	38	30	25	50	38	30	25	36	29	25	35	28	24	33	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12397	12397	12397
5°	12265	12279	12369
10°	12128	12171	12356
15°	11941	12041	12324
20°	11709	11883	12253
25°	11417	11685	12182
30°	11034	11471	12114
35°	10581	11243	12068
40°	10047	10979	12030
45°	9428	10692	11971
50°	8757	10403	11892
55°	7946	10049	11709
60°	7117	9631	11246
65°	6217	9098	10415
70°	5247	8418	9526
75°	4260	7632	9059
80°	3058	7064	9490
85°	1725	7342	11898



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	742.7	3.0
10°-20°	2130.8	8.6
20°-30°	3222.5	13.1
30°-40°	3868.6	15.7
40°-50°	3995.7	16.2
50°-60°	3594.9	14.6
60°-70°	2708.0	11.0
70°-80°	1635.1	6.6
80°-90°	802.8	3.3
90°-100°	454.4	1.8
100°-110°	600.0	2.4
110°-120°	463.3	1.9
120°-130°	232.0	0.9
130°-140°	117.7	0.5
140°-150°	65.1	0.3
150°-160°	34.5	0.1
160°-170°	14.8	0.1
170°-180°	4.5	0.0
0°-30°	6096.1	24.7
0°-40°	9964.7	40.4
0°-60°	17555.3	71.1
0°-90°	22701.2	92.0
90°-120°	1517.7	6.1
90°-150°	1932.5	7.8
90°-180°	1986.0	8.0
0°-180°	24687.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7839	7839	7839	7839	7839	
5°	7789	7810	7800	7831	7821	740
15°	7474	7510	7545	7608	7616	2107
25°	6826	6900	6998	7108	7125	3140
35°	5836	5972	6218	6406	6444	3648
45°	4606	4838	5243	5529	5588	3556
55°	3263	3601	4148	4460	4514	2926
65°	1991	2398	2935	3081	3046	1978
75°	938	1347	1700	1744	1726	1001
85°	196	516	852	969	986	226
90°	2	219	511	645	674	14
95°	32	194	451	579	615	89
105°	525	583	641	580	567	498
115°	368	397	486	529	529	372
125°	186	201	264	297	302	175
135°	114	122	147	177	186	91
145°	93	92	96	113	119	58
155°	78	81	81	79	81	34
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°	7838.6	7838.6	7838.6	7838.6	7838.6
2.5°	7815.5	7834.7	7823.2	7848.1	7846.2
5°	7788.7	7809.8	7800.2	7830.9	7821.3
7.5°	7742.6	7765.7	7763.7	7798.2	7794.4
10°	7675.4	7700.4	7708.1	7754.1	7754.1
12.5°	7583.4	7616.0	7635.2	7690.8	7692.7
15°	7474.1	7510.5	7545.1	7608.4	7616.0
17.5°	7341.7	7387.8	7435.7	7508.6	7518.1
20°	7192.1	7243.9	7309.1	7385.8	7397.3
22.5°	7019.4	7080.8	7165.2	7255.4	7268.8
25°	6825.6	6900.4	6998.3	7107.7	7124.9
27.5°	6605.1	6691.4	6823.7	6946.5	6961.9
30°	6365.2	6466.9	6631.9	6777.7	6802.6
32.5°	6112.0	6229.0	6432.4	6595.4	6630.0
35°	5835.8	5972.0	6217.5	6405.5	6443.9
37.5°	5563.4	5713.0	5991.1	6206.0	6252.1
40°	5244.9	5430.9	5749.4	5987.3	6042.9
42.5°	4945.6	5147.1	5507.7	5766.7	5820.4
45°	4606.0	4838.2	5242.9	5528.8	5588.3
47.5°	4287.6	4539.0	4987.8	5283.3	5344.6
50°	3951.9	4228.1	4715.4	5024.3	5087.6
52.5°	3616.2	3913.5	4433.4	4753.8	4813.2
55°	3263.2	3600.8	4147.6	4460.2	4514.0
57.5°	2935.1	3291.9	3854.1	4151.4	4184.0
60°	2610.9	2981.2	3554.8	3815.7	3827.2
62.5°	2294.4	2683.8	3247.8	3455.1	3439.7
65°	1991.3	2398.0	2935.1	3081.0	3046.4
67.5°	1699.7	2119.9	2614.8	2708.8	2662.7
70°	1423.5	1849.3	2304.0	2351.9	2309.7
72.5°	1179.8	1592.3	1989.4	2029.6	1998.9
75°	938.1	1346.7	1699.7	1743.8	1726.5
77.5°	711.7	1108.8	1433.0	1490.6	1494.4
80°	512.2	892.1	1200.9	1291.1	1302.5
82.5°	337.6	692.5	1007.2	1122.3	1139.5
85°	195.7	516.0	851.7	968.8	986.1
87.5°	84.4	372.2	684.9	790.4	811.5
90°	2.4	219.2	510.7	644.6	673.6
92.5°	13.8	189.6	455.4	585.1	614.3
95°	32.3	194.4	451.0	579.0	614.9
97.5°	145.7	266.3	481.4	594.8	626.5
100°	283.9	394.0	516.0	608.8	629.7
102.5°	449.6	511.8	552.7	592.1	600.7
105°	525.1	583.1	641.1	580.2	566.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	426.8	468.9	555.6	591.0	584.1
115°	367.8	396.6	486.1	528.6	529.1
117.5°	319.6	339.1	419.0	459.6	463.7
120°	269.5	288.0	357.9	394.6	401.5
122.5°	225.8	241.9	309.2	343.2	348.2
125°	185.9	201.4	263.8	296.7	301.6
127.5°	158.9	168.5	224.8	259.3	263.4
130°	139.5	145.5	192.5	225.9	231.7
132.5°	125.8	132.9	167.6	199.1	207.6
135°	114.5	121.6	147.0	177.3	185.8
137.5°	106.4	111.9	130.4	158.1	166.6
140°	100.2	104.6	116.6	140.4	148.9
142.5°	96.5	98.1	103.5	126.3	132.0
145°	92.7	92.5	95.9	112.9	118.7
147.5°	88.7	90.3	91.9	99.6	106.1
150°	84.6	88.2	87.1	89.8	95.5
152.5°	81.4	84.1	83.8	82.0	86.6
155°	78.2	80.9	80.6	78.7	81.4
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°	525.1	581.5	660.6	610.9	561.5
110°	485.5	537.5	620.1	632.6	592.0



(END OF REPORT)