

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: P827773

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827773
REPORT IS A COMBINATION OF REPORTS P826124 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-W-UNV-L930-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

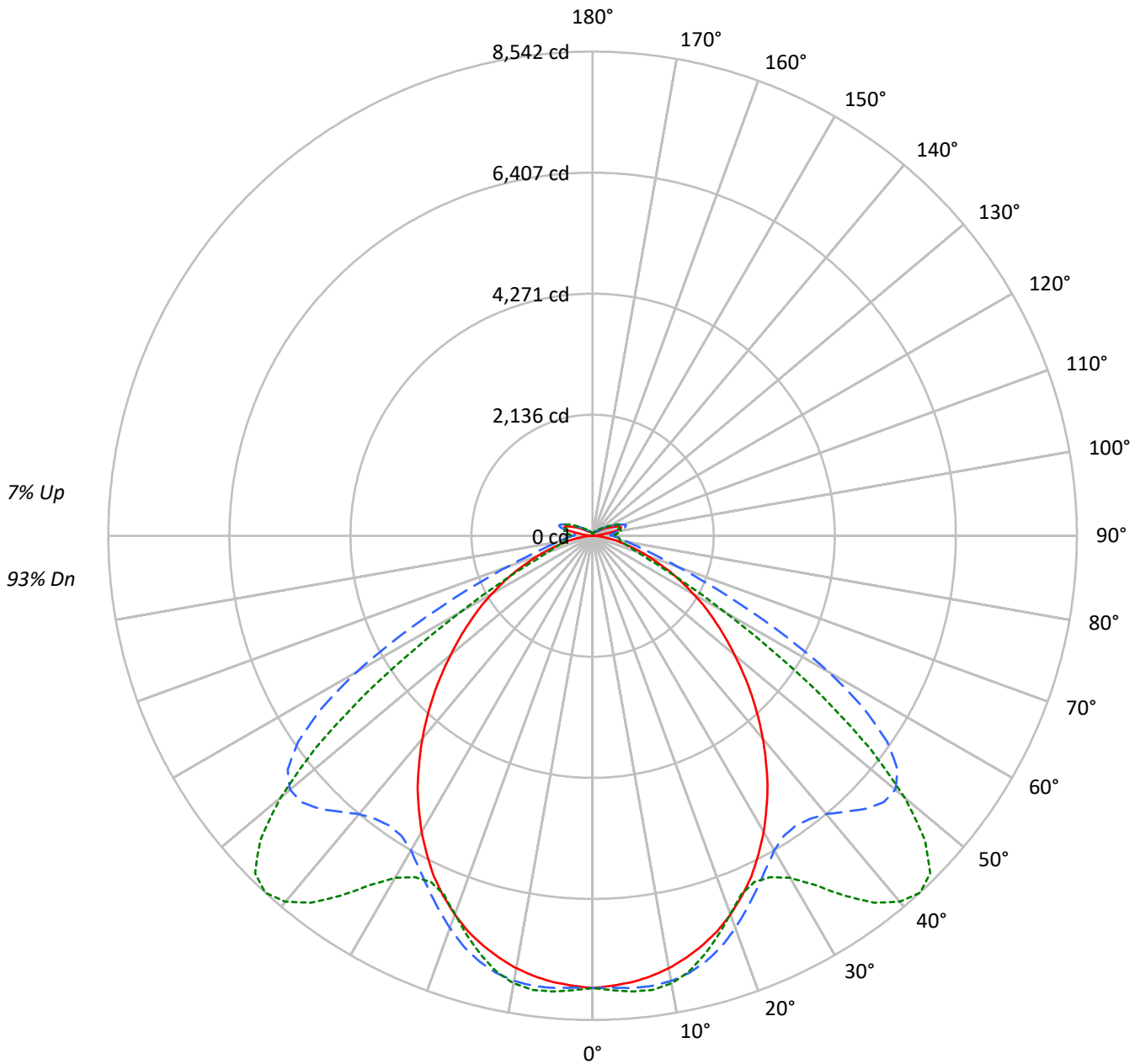
Lumens per Lamp: N/A
Luminaire Lumens: 25119.1 lumens
Efficiency: N/A
Efficacy: 144.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 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	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°	12619	12619	12619
5°	12449	12607	12763
10°	12240	12593	12778
15°	11950	12391	12368
20°	11573	11970	11762
25°	11087	11460	11527
30°	10459	11082	12404
35°	9754	11294	14515
40°	8947	12239	16780
45°	8108	13892	18036
50°	7240	15374	16784
55°	6422	15369	12825
60°	5593	13018	7841
65°	4724	9002	4750
70°	3756	5830	3429
75°	2767	4190	3180
80°	1881	3696	3587
85°	1138	4096	5671



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	762.5	3.0
10°-20°	2159.2	8.6
20°-30°	3159.6	12.6
30°-40°	4103.4	16.3
40°-50°	5010.8	19.9
50°-60°	4412.7	17.6
60°-70°	2299.5	9.2
70°-80°	986.1	3.9
80°-90°	476.7	1.9
90°-100°	340.2	1.4
100°-110°	546.2	2.2
110°-120°	432.3	1.7
120°-130°	212.6	0.8
130°-140°	106.4	0.4
140°-150°	59.5	0.2
150°-160°	32.2	0.1
160°-170°	14.8	0.1
170°-180°	4.5	0.0
0°-30°	6081.3	24.2
0°-40°	10184.6	40.5
0°-60°	19608.1	78.1
0°-90°	23370.4	93.0
90°-120°	1318.6	5.2
90°-150°	1697.2	6.8
90°-180°	1749.0	7.0
0°-180°	25119.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7979	7979	7979	7979	7979	
5°	7905	7965	8008	8079	8070	750
15°	7480	7690	7764	7705	7644	2106
25°	6628	6982	6864	6734	6741	3042
35°	5380	5948	6246	7284	7750	3353
45°	3961	4984	6812	8248	8420	3054
55°	2637	4366	6344	5562	4944	2367
65°	1513	3025	2904	1615	1389	1497
75°	609	1415	933	639	606	665
85°	129	504	475	465	470	144
90°	4	200	337	389	401	11
95°	26	165	336	407	435	83
105°	518	565	592	498	477	492
115°	363	387	456	476	472	366
125°	183	198	244	259	260	171
135°	111	115	134	155	157	88
145°	87	86	89	101	104	55
155°	73	74	72	72	73	32
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°	7979.2	7979.2	7979.2	7979.2	7979.2
2.5°	7944.8	7979.2	7980.9	8029.1	8023.9
5°	7905.2	7965.4	8008.5	8079.0	8070.4
7.5°	7839.8	7934.4	8010.2	8087.6	8080.7
10°	7746.8	7875.9	7975.7	8039.4	8018.7
12.5°	7626.3	7796.7	7894.8	7908.6	7869.0
15°	7480.0	7690.0	7764.0	7705.4	7643.5
17.5°	7314.7	7560.8	7586.7	7459.3	7381.9
20°	7108.1	7388.7	7362.9	7187.3	7101.2
22.5°	6879.2	7199.3	7116.7	6932.5	6849.9
25°	6627.8	6982.5	6863.6	6734.5	6741.4
27.5°	6333.5	6736.2	6620.9	6679.4	6789.6
30°	6033.9	6478.1	6407.4	6748.3	6965.2
32.5°	5705.1	6212.9	6276.6	6949.7	7304.3
35°	5379.7	5947.8	6245.7	7283.7	7750.2
37.5°	5019.9	5679.3	6295.5	7669.3	8158.3
40°	4670.5	5417.6	6409.2	8015.4	8428.5
42.5°	4314.1	5183.4	6600.3	8220.2	8542.1
45°	3961.2	4983.8	6812.0	8247.7	8419.9
47.5°	3608.3	4815.1	6958.4	8029.1	7950.0
50°	3267.4	4665.3	6968.6	7504.1	7180.4
52.5°	2949.0	4527.6	6779.3	6667.4	6164.8
55°	2637.3	4365.7	6343.7	5562.2	4944.2
57.5°	2353.3	4142.0	5672.4	4374.4	3699.5
60°	2052.0	3838.9	4804.7	3200.3	2668.3
62.5°	1774.9	3461.9	3832.1	2227.6	1917.8
65°	1513.2	3024.7	2904.2	1614.8	1389.3
67.5°	1236.0	2572.0	2143.3	1177.5	1032.9
70°	1019.1	2151.9	1595.8	915.8	831.5
72.5°	797.1	1752.5	1193.0	743.7	697.2
75°	609.4	1415.1	933.1	638.7	606.0
77.5°	449.4	1119.0	750.5	564.6	533.7
80°	315.0	881.4	628.3	504.4	492.4
82.5°	211.8	681.7	535.4	480.3	482.0
85°	129.1	504.4	475.1	464.8	470.0
87.5°	62.0	358.1	408.0	423.5	428.7
90°	4.1	200.2	336.8	388.8	401.4
92.5°	8.1	162.1	312.7	371.9	388.6
95°	26.1	164.9	336.1	407.4	434.6
97.5°	137.7	238.9	388.7	458.5	478.2
100°	277.6	370.0	441.4	496.6	507.4
102.5°	443.3	490.7	491.9	498.2	496.8
105°	518.5	564.6	591.9	498.5	476.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	421.8	458.4	523.5	533.0	521.9
115°	362.8	386.9	455.5	476.3	472.5
117.5°	314.4	331.7	391.7	410.8	410.9
120°	264.2	281.2	332.0	351.1	351.9
122.5°	220.6	235.7	286.2	302.7	303.6
125°	182.6	197.5	243.6	259.2	260.1
127.5°	155.8	163.2	207.6	224.8	224.9
130°	136.4	140.5	176.3	194.3	197.8
132.5°	122.7	125.9	154.1	172.1	176.4
135°	111.4	114.6	134.3	154.8	157.3
137.5°	103.3	104.9	120.2	138.2	142.4
140°	95.2	97.6	106.9	125.0	127.5
142.5°	91.3	91.2	98.0	113.3	115.0
145°	87.3	85.5	88.8	100.8	104.2
147.5°	83.3	83.2	84.8	91.7	94.3
150°	79.2	80.8	78.2	82.4	85.9
152.5°	76.0	76.8	75.0	75.0	79.2
155°	72.8	73.6	71.8	71.8	72.6
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°	520.2	565.8	619.1	539.2	483.7
110°	480.6	522.6	582.5	568.8	522.1



(END OF REPORT)