

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: P828027

Luminaire Tested: **OHBL-24HE-A-UNV-L935-CD-UPL12**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828027
REPORT IS A COMBINATION OF REPORTS P826071 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-A-UNV-L935-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

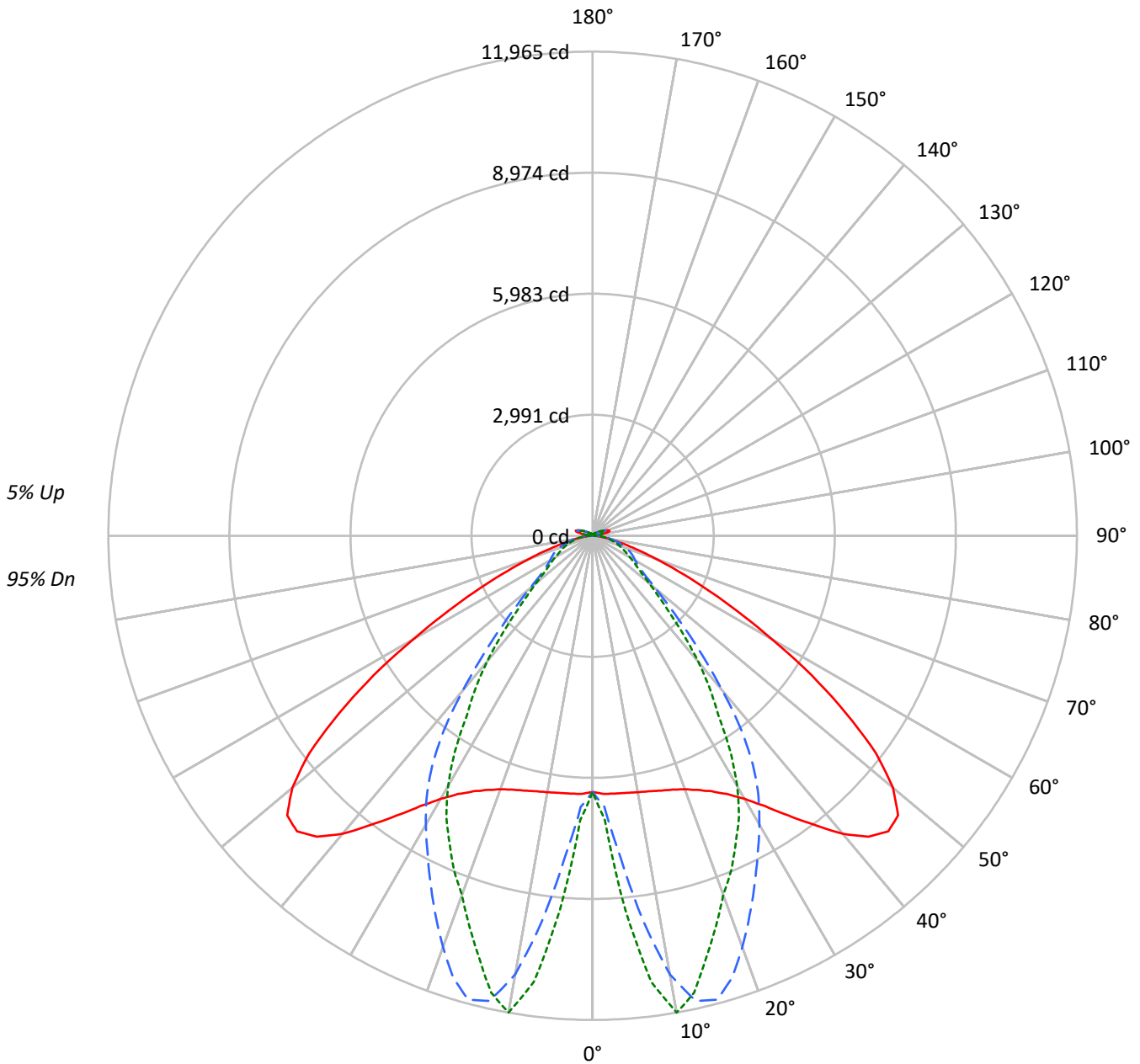
Lumens per Lamp: N/A
Luminaire Lumens: 21355.3 lumens
Efficiency: N/A
Efficacy: 151.0 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 141.4
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	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	95																			
1	109	105	102	99	106	103	100	97	98	95	93	93	91	89	89	87	86	83																			
2	101	94	88	84	98	92	87	82	88	83	80	84	80	77	80	77	75	73																			
3	94	85	78	72	91	83	76	71	79	74	69	76	71	68	73	69	66	64																			
4	87	76	69	63	84	75	68	62	72	66	61	69	64	60	66	62	58	56																			
5	81	69	61	56	78	68	61	55	65	59	54	63	57	53	61	56	52	50																			
6	75	63	55	49	73	62	54	49	60	53	48	58	52	48	56	51	47	45																			
7	70	58	50	44	68	57	49	44	55	48	43	53	47	43	51	46	42	40																			
8	65	53	45	40	64	52	45	40	51	44	39	49	43	39	48	42	38	37																			
9	61	49	42	37	60	48	41	36	47	40	36	46	40	36	44	39	35	33																			
10	58	46	38	33	56	45	38	33	44	37	33	42	37	33	41	36	32	31																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10013	10013	10013
5°	10071	12599	14678
10°	10167	17378	19066
15°	10416	18940	17499
20°	10854	17582	15638
25°	11654	15820	14305
30°	13004	14252	12720
35°	15300	12481	10136
40°	18413	9511	8067
45°	21143	6485	5741
50°	21459	4452	4247
55°	18601	3507	3469
60°	13918	3285	3121
65°	9561	3300	2957
70°	6131	3190	2863
75°	3702	2961	2739
80°	2193	2614	2827
85°	1069	2266	2621



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	826.6	3.9
10°-20°	2917.4	13.7
20°-30°	4299.0	20.1
30°-40°	4517.5	21.2
40°-50°	3456.7	16.2
50°-60°	2087.3	9.8
60°-70°	1273.7	6.0
70°-80°	695.2	3.3
80°-90°	246.7	1.2
90°-100°	99.1	0.5
100°-110°	344.9	1.6
110°-120°	296.3	1.4
120°-130°	142.0	0.7
130°-140°	71.0	0.3
140°-150°	41.3	0.2
150°-160°	24.1	0.1
160°-170°	12.5	0.1
170°-180°	3.8	0.0
0°-30°	8042.9	37.7
0°-40°	12560.5	58.8
0°-60°	18104.5	84.8
0°-90°	20320.2	95.2
90°-120°	740.3	3.5
90°-150°	994.7	4.7
90°-180°	1035.0	4.8
0°-180°	21355.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6332	6332	6332	6332	6332	
5°	6395	6861	8004	8937	9282	611
15°	6520	10154	11868	11074	10814	1854
25°	6967	11785	9475	8578	8366	3256
35°	8439	9438	6902	5748	5412	5353
45°	10329	5385	3180	2798	2680	7804
55°	7638	1826	1447	1342	1337	6750
65°	3062	1156	1065	911	865	3138
75°	815	719	660	544	522	938
85°	121	223	263	240	217	150
90°	2	15	20	26	29	8
95°	21	48	72	97	112	68
105°	431	426	363	258	237	408
115°	300	300	301	298	293	300
125°	147	152	156	154	155	137
135°	85	88	91	92	92	68
145°	62	64	65	66	67	40
155°	50	51	52	52	52	23
165°	43	43	44	44	44	12
175°	39	39	39	39	39	4
180°	38	38	38	38	38	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6331.5	6331.5	6331.5	6331.5	6331.5
2.5°	6383.3	6448.5	6705.3	6972.0	7036.8
5°	6395.0	6860.9	8003.7	8936.8	9281.7
7.5°	6408.6	7529.1	9612.3	10754.8	11120.6
10°	6434.4	8374.0	11006.2	11826.5	11964.7
12.5°	6466.4	9269.2	11773.2	11743.4	11569.1
15°	6519.7	10154.5	11867.8	11074.4	10814.0
17.5°	6575.6	10903.6	11455.6	10346.2	10119.5
20°	6666.5	11459.7	10814.6	9698.9	9441.3
22.5°	6797.7	11765.4	10142.3	9113.6	8945.5
25°	6966.8	11785.2	9474.7	8577.9	8366.2
27.5°	7193.5	11511.8	8834.8	8053.1	7829.4
30°	7501.9	10988.3	8240.2	7420.2	7142.8
32.5°	7920.8	10234.9	7627.1	6656.2	6345.1
35°	8438.9	9437.8	6902.5	5748.3	5412.2
37.5°	9004.2	8552.7	6023.1	4944.3	4748.6
40°	9612.3	7640.7	4980.8	4192.0	4051.9
42.5°	10086.9	6649.2	4012.6	3483.7	3334.6
45°	10328.8	5385.3	3179.6	2797.8	2680.3
47.5°	10234.7	4180.3	2520.7	2223.1	2187.8
50°	9684.8	3086.8	2017.8	1831.3	1816.7
52.5°	8825.2	2300.8	1666.8	1551.4	1526.2
55°	7638.5	1826.2	1447.4	1341.5	1337.4
57.5°	6413.2	1551.4	1313.8	1231.8	1203.3
60°	5106.2	1383.3	1212.5	1119.9	1062.2
62.5°	4002.5	1265.8	1138.2	1012.4	958.4
65°	3062.3	1156.1	1064.8	911.2	864.8
67.5°	2282.8	1051.5	975.2	804.8	777.6
70°	1663.3	944.3	873.2	715.7	694.2
72.5°	1185.4	837.3	771.1	632.1	608.4
75°	815.3	718.9	659.5	544.1	522.1
77.5°	550.1	598.1	549.5	464.6	455.3
80°	367.3	474.3	444.4	393.7	388.0
82.5°	222.9	344.3	350.8	320.1	304.7
85°	121.3	222.9	262.8	239.5	217.2
87.5°	47.5	123.5	181.1	162.7	153.2
90°	2.5	15.0	20.0	25.8	29.2
92.5°	7.5	19.2	31.7	45.0	49.2
95°	20.8	48.3	71.7	96.7	111.7
97.5°	112.5	122.5	138.3	163.3	171.7
100°	230.0	247.5	205.8	215.0	219.2
102.5°	365.8	360.8	263.3	238.3	234.2
105°	430.8	425.8	363.3	257.5	236.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	348.3	350.8	348.3	335.0	320.8
115°	300.0	300.0	300.8	298.3	293.3
117.5°	251.7	255.0	257.5	255.0	253.3
120°	210.8	215.8	217.5	214.2	214.2
122.5°	177.5	181.7	184.2	181.7	182.5
125°	146.7	152.5	155.8	154.2	155.0
127.5°	122.5	127.5	133.3	132.5	132.5
130°	106.7	110.0	114.2	115.0	115.0
132.5°	95.0	97.5	100.8	101.7	102.5
135°	85.0	87.5	90.8	91.7	91.7
137.5°	78.3	80.0	82.5	83.3	84.2
140°	71.7	74.2	75.8	76.7	76.7
142.5°	66.7	68.3	70.0	70.8	71.7
145°	62.5	64.2	65.0	65.8	66.7
147.5°	58.3	60.0	61.7	61.7	62.5
150°	55.8	56.7	57.5	58.3	58.3
152.5°	52.5	53.3	54.2	55.0	55.0
155°	50.0	50.8	51.7	52.5	52.5
157.5°	47.5	49.2	49.2	50.0	50.0
160°	45.8	46.7	47.5	47.5	47.5
162.5°	44.2	45.0	45.0	45.8	45.8
165°	43.3	43.3	44.2	44.2	44.2
167.5°	41.7	41.7	42.5	42.5	42.5
170°	40.8	40.8	40.8	41.7	41.7
172.5°	40.0	40.0	40.0	40.0	40.0
175°	39.2	39.2	39.2	39.2	39.2
177.5°	38.3	39.2	39.2	39.2	39.2
180°	38.3	38.3	38.3	38.3	38.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	433.3	435.0	400.8	310.8	257.5
110°	396.7	402.5	384.2	350.0	307.5



(END OF REPORT)