

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: P827694

Luminaire Tested: **OHBL-18HE-MCL-UNV-L930-CD-UPL12**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P827694
REPORT IS A COMBINATION OF REPORTS P826060 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-18HE-MCL-UNV-L930-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

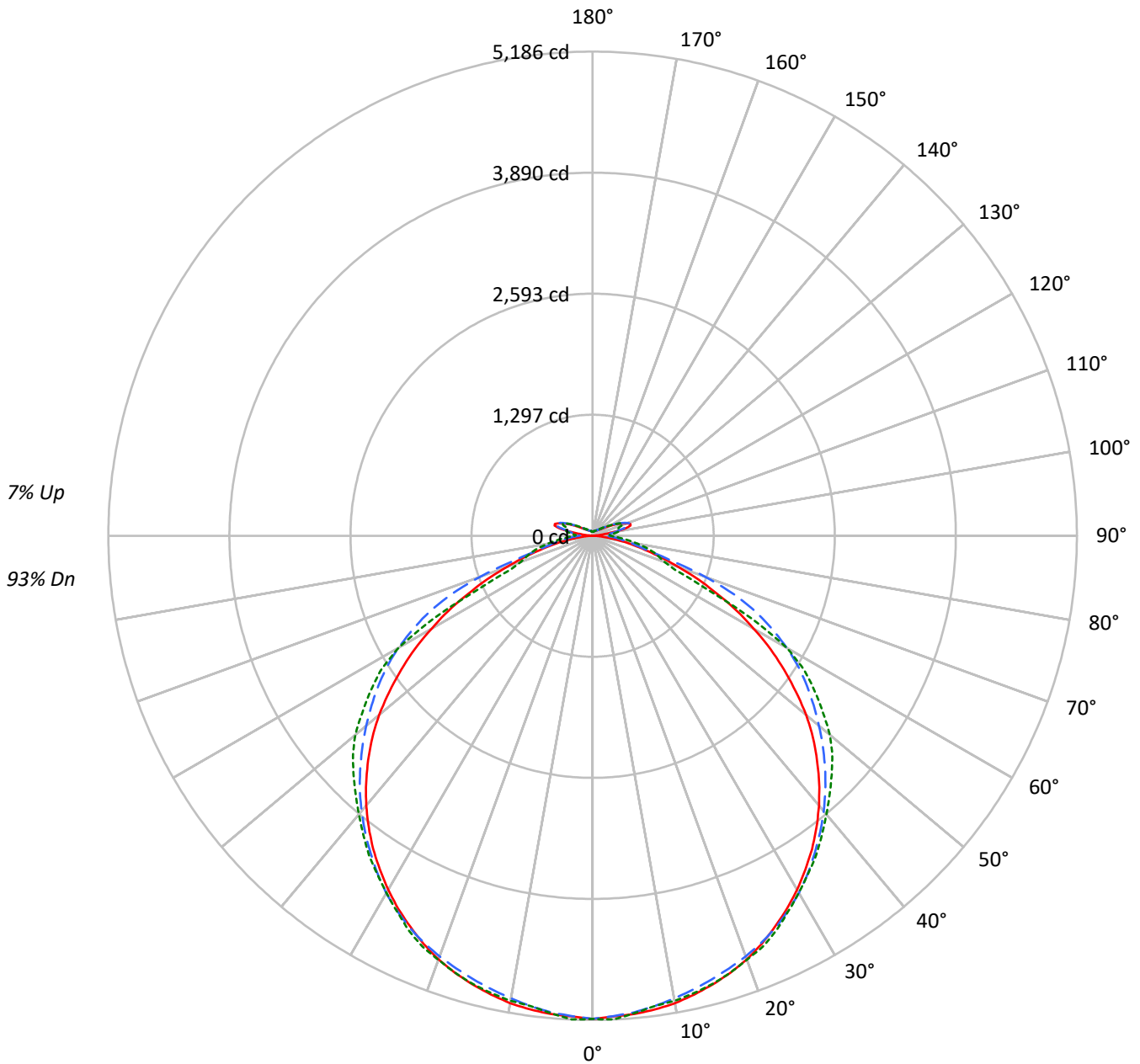
Lumens per Lamp: N/A
Luminaire Lumens: 15633.5 lumens
Efficiency: N/A
Efficacy: 140.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 111.4
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

TEST NUMBER: P827694

CATALOG NUMBER: OHBL-18HE-MCL-UNV-L930-CD-UPL12

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	95	95	95	93																			
1	107	103	99	95	104	100	96	93	94	91	88	89	87	84	84	82	81	78																			
2	98	90	83	78	95	87	81	76	83	78	73	78	74	71	74	71	68	65																			
3	89	79	71	65	86	77	70	64	73	67	62	69	64	60	66	61	58	55																			
4	82	70	62	55	79	68	60	54	65	58	53	62	56	51	59	54	50	47																			
5	75	63	54	47	73	61	53	47	58	51	45	55	49	44	53	47	43	41																			
6	69	56	48	41	67	55	47	41	52	45	40	50	44	39	48	42	38	36																			
7	64	51	42	36	62	50	42	36	48	40	35	46	39	34	44	38	34	32																			
8	60	46	38	32	58	45	37	32	43	36	31	42	35	31	40	34	30	28																			
9	56	43	34	29	54	42	34	29	40	33	28	38	32	28	37	31	27	25																			
10	52	39	31	26	51	38	31	26	37	30	26	36	29	25	34	29	25	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8839	8839	8839
5°	8738	8707	8766
10°	8664	8571	8705
15°	8566	8468	8684
20°	8468	8402	8646
25°	8321	8335	8610
30°	8163	8233	8489
35°	7981	8072	8445
40°	7757	7906	8372
45°	7465	7714	8375
50°	7085	7496	8376
55°	6518	7280	8142
60°	5797	6968	7618
65°	4885	6393	4904
70°	3840	4980	3633
75°	2776	2948	3808
80°	1817	2439	3838
85°	910	2215	4037



TEST NUMBER: P827694

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	488.0	3.1
10°-20°	1399.2	9.0
20°-30°	2137.0	13.7
30°-40°	2593.0	16.6
40°-50°	2717.7	17.4
50°-60°	2462.6	15.8
60°-70°	1651.1	10.6
70°-80°	741.4	4.7
80°-90°	271.6	1.7
90°-100°	177.2	1.1
100°-110°	372.8	2.4
110°-120°	306.5	2.0
120°-130°	148.3	0.9
130°-140°	76.2	0.5
140°-150°	45.0	0.3
150°-160°	27.0	0.2
160°-170°	14.5	0.1
170°-180°	4.4	0.0
0°-30°	4024.2	25.7
0°-40°	6617.2	42.3
0°-60°	11797.5	75.5
0°-90°	14461.6	92.5
90°-120°	856.5	5.5
90°-150°	1126.0	7.2
90°-180°	1172.0	7.5
0°-180°	15633.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5175	5175	5175	5175	5175	
5°	5141	5159	5123	5139	5132	489
15°	4974	4955	4920	4963	4969	1404
25°	4621	4601	4633	4676	4662	2130
35°	4096	4106	4148	4192	4175	2560
45°	3399	3455	3519	3609	3620	2619
55°	2502	2622	2801	2913	2906	2233
65°	1468	1698	1928	1627	1328	1463
75°	578	838	617	631	672	631
85°	100	191	245	296	310	121
90°	3	78	146	184	194	8
95°	21	87	156	199	217	67
105°	421	430	395	301	283	399
115°	297	300	314	317	314	296
125°	148	154	165	165	167	138
135°	89	92	96	101	102	71
145°	67	70	71	72	74	43
155°	56	58	58	59	58	26
165°	50	50	51	51	51	14
175°	46	46	46	45	45	4
180°	45	45	45	45	45	



TEST NUMBER: P827694

CATALOG NUMBER: OHBL-18HE-MCL-UNV-L930-CD-UPL12

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5175.0	5175.0	5175.0	5175.0	5175.0
2.5°	5154.0	5175.8	5148.8	5177.9	5185.5
5°	5141.3	5159.3	5123.4	5139.1	5132.4
7.5°	5118.1	5124.1	5081.4	5094.2	5080.7
10°	5083.7	5080.7	5030.6	5055.2	5058.2
12.5°	5032.8	5023.8	4978.9	5016.4	5017.1
15°	4974.4	4955.0	4919.8	4963.2	4969.2
17.5°	4907.1	4881.7	4858.5	4914.6	4905.6
20°	4828.5	4798.6	4794.1	4855.5	4833.0
22.5°	4731.3	4708.1	4718.6	4776.9	4762.7
25°	4621.2	4601.0	4633.2	4675.9	4662.4
27.5°	4505.2	4493.3	4530.0	4562.9	4536.7
30°	4378.1	4371.3	4420.0	4446.9	4414.0
32.5°	4239.6	4241.9	4288.3	4324.9	4294.3
35°	4096.0	4105.7	4147.6	4191.8	4175.3
37.5°	3938.1	3959.8	4001.7	4051.9	4034.6
40°	3771.2	3802.6	3849.0	3909.7	3894.0
42.5°	3590.9	3630.5	3690.4	3757.8	3756.2
45°	3399.4	3454.7	3519.1	3608.9	3620.1
47.5°	3200.3	3262.4	3344.0	3463.7	3480.9
50°	2984.0	3061.9	3163.7	3307.3	3317.8
52.5°	2743.2	2849.4	2984.0	3121.8	3109.0
55°	2501.5	2621.9	2800.7	2913.0	2906.3
57.5°	2260.5	2395.9	2612.9	2693.0	2692.2
60°	1991.1	2162.5	2399.7	2460.2	2400.4
62.5°	1742.0	1926.0	2172.2	2128.0	1923.0
65°	1468.1	1697.8	1927.6	1626.7	1328.2
67.5°	1224.9	1464.4	1637.2	1114.1	954.0
70°	980.2	1244.3	1276.5	826.8	815.6
72.5°	763.2	1044.6	880.7	707.9	743.7
75°	577.6	838.1	616.6	630.8	672.0
77.5°	421.3	643.5	479.7	553.0	586.6
80°	289.5	455.7	391.3	464.6	487.8
82.5°	181.8	300.8	313.6	374.1	398.1
85°	99.5	190.8	244.7	295.5	309.8
87.5°	41.1	115.3	187.0	228.2	240.2
90°	3.2	78.2	145.8	183.7	194.4
92.5°	8.0	67.3	133.9	171.6	180.9
95°	20.9	86.6	156.3	199.3	216.8
97.5°	110.7	150.3	206.8	246.0	257.0
100°	225.4	266.3	260.3	281.9	288.2
102.5°	357.8	370.9	306.3	292.5	290.8
105°	420.9	430.3	395.1	301.4	283.4



TEST NUMBER: P827694

CATALOG NUMBER: OHBL-18HE-MCL-UNV-L930-CD-UPL12

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	343.1	350.8	363.3	357.1	344.9
115°	297.0	300.0	313.5	317.1	313.7
117.5°	250.1	254.9	268.4	270.5	270.4
120°	210.5	216.1	227.5	228.0	228.7
122.5°	178.2	182.2	192.9	194.2	195.7
125°	147.5	153.9	164.7	165.2	166.8
127.5°	124.8	129.7	141.3	142.8	143.5
130°	109.4	113.4	121.2	125.0	125.0
132.5°	98.9	102.1	107.5	111.3	112.1
135°	89.2	92.4	96.4	100.9	101.6
137.5°	83.5	85.1	87.5	92.1	93.6
140°	77.0	79.5	80.3	84.1	84.9
142.5°	71.4	73.8	74.6	77.7	79.2
145°	67.3	69.8	70.6	72.1	73.6
147.5°	64.1	65.7	67.3	67.3	68.9
150°	61.7	62.5	63.3	64.1	64.1
152.5°	58.4	59.3	60.1	60.9	60.9
155°	56.0	57.6	58.4	59.2	58.4
157.5°	53.6	55.9	55.9	56.7	56.7
160°	52.0	53.5	54.3	54.3	54.3
162.5°	51.1	51.9	51.9	52.7	52.7
165°	50.3	50.3	51.1	51.1	51.1
167.5°	48.7	49.4	49.5	49.5	49.5
170°	47.9	47.9	47.9	47.9	47.9
172.5°	47.0	47.0	47.0	46.3	46.3
175°	46.2	46.2	45.5	44.7	44.7
177.5°	46.2	46.2	45.5	44.7	44.0
180°	44.7	44.7	44.7	44.7	44.7



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	424.1	436.2	425.5	345.6	295.4
110°	389.3	402.4	403.4	376.9	337.2



(END OF REPORT)