

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: P827704

Luminaire Tested: **OHBL-18HE-NL-UNV-L930-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827704
REPORT IS A COMBINATION OF REPORTS P826159 AND G3-2310-221-8
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-18HE-NL-UNV-L930-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

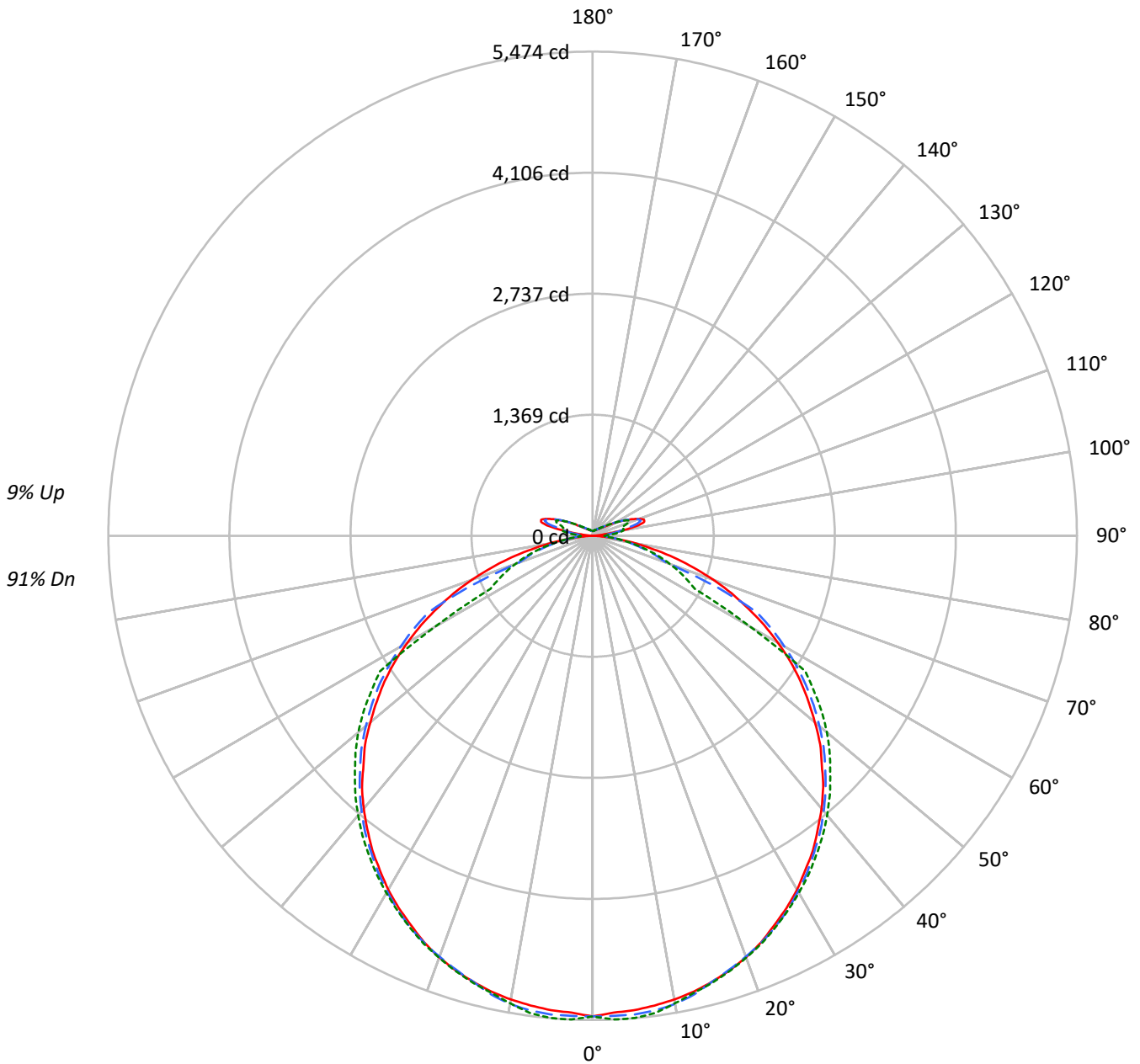
Lumens per Lamp: N/A
Luminaire Lumens: 16703.3 lumens
Efficiency: N/A
Efficacy: 144.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.1')
CIE Type: Direct

Input Watts (W): 115.3
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	106	106	106	100	100	100	94	94	94	91																			
1	107	103	99	95	104	100	96	93	94	91	88	88	86	84	83	81	80	77																			
2	98	90	83	78	94	87	81	76	82	77	73	78	74	70	73	70	67	65																			
3	89	79	71	65	86	77	70	64	73	66	61	69	64	59	65	61	57	55																			
4	82	70	62	55	79	68	60	54	64	58	52	61	55	51	58	53	49	47																			
5	75	63	54	47	72	61	53	47	58	51	45	55	49	44	52	47	43	40																			
6	69	56	47	41	67	55	47	41	52	45	40	50	43	39	47	42	38	35																			
7	64	51	42	36	62	50	42	36	47	40	35	45	39	34	43	38	33	31																			
8	60	46	38	32	58	45	37	32	43	36	31	41	35	30	39	34	30	28																			
9	56	42	34	29	54	42	34	29	40	33	28	38	32	27	36	31	27	25																			
10	52	39	31	26	50	38	31	26	37	30	25	35	29	25	34	28	24	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9281	9281	9281
5°	9182	9264	9362
10°	9136	9221	9266
15°	9085	9081	9184
20°	9021	9004	9139
25°	8906	8947	9097
30°	8808	8848	9057
35°	8689	8730	9022
40°	8546	8619	8995
45°	8345	8462	8939
50°	8131	8287	8904
55°	7872	8064	8752
60°	7482	7734	6762
65°	6924	7311	4504
70°	6205	3759	4306
75°	5151	3396	4015
80°	3617	2842	3515
85°	1452	2277	3041



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	516.2	3.1
10°-20°	1478.2	8.8
20°-30°	2249.1	13.5
30°-40°	2734.6	16.4
40°-50°	2875.3	17.2
50°-60°	2625.5	15.7
60°-70°	1683.1	10.1
70°-80°	795.1	4.8
80°-90°	224.1	1.3
90°-100°	196.8	1.2
100°-110°	496.6	3.0
110°-120°	417.4	2.5
120°-130°	198.3	1.2
130°-140°	99.1	0.6
140°-150°	57.5	0.3
150°-160°	33.6	0.2
160°-170°	17.4	0.1
170°-180°	5.3	0.0
0°-30°	4243.5	25.4
0°-40°	6978.2	41.8
0°-60°	12479.1	74.7
0°-90°	15181.3	90.9
90°-120°	1110.8	6.7
90°-150°	1465.7	8.8
90°-180°	1522.0	9.1
0°-180°	16703.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5434	5434	5434	5434	5434	
5°	5383	5404	5432	5462	5473	512
15°	5220	5259	5220	5227	5231	1474
25°	4858	4866	4883	4890	4887	2242
35°	4342	4316	4366	4419	4407	2714
45°	3662	3656	3718	3805	3799	2831
55°	2870	2848	2944	3043	3050	2560
65°	1934	1934	2046	1174	1178	1917
75°	955	974	632	666	668	1007
85°	125	158	197	214	202	185
90°	3	74	115	140	142	8
95°	34	94	167	220	239	98
105°	604	604	521	372	343	573
115°	419	426	428	420	414	422
125°	202	212	217	217	215	190
135°	120	122	126	128	128	95
145°	87	89	91	92	92	55
155°	70	71	72	73	73	33
165°	60	61	61	61	61	17
175°	54	54	55	55	55	5
180°	54	54	54	54	54	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5433.9	5433.9	5433.9	5433.9	5433.9
2.5°	5395.8	5414.0	5433.9	5459.7	5474.0
5°	5383.4	5404.4	5432.1	5461.7	5473.1
7.5°	5356.7	5386.2	5413.0	5433.9	5440.6
10°	5323.4	5358.7	5373.9	5372.0	5367.3
12.5°	5278.5	5315.8	5311.0	5289.0	5292.8
15°	5220.4	5259.4	5219.5	5227.0	5230.9
17.5°	5151.8	5189.9	5143.1	5158.4	5159.3
20°	5071.6	5100.3	5064.0	5076.4	5076.4
22.5°	4975.4	4995.3	4980.1	4988.7	4990.6
25°	4858.1	4865.6	4882.8	4890.5	4886.6
27.5°	4745.6	4736.0	4769.4	4787.5	4777.9
30°	4620.6	4605.4	4644.4	4674.0	4662.6
32.5°	4477.6	4468.1	4512.9	4548.2	4541.5
35°	4342.2	4316.5	4366.1	4419.4	4407.0
37.5°	4182.0	4166.8	4223.0	4279.3	4272.7
40°	4025.7	3999.9	4063.8	4130.5	4123.9
42.5°	3857.9	3827.3	3896.9	3977.1	3969.4
45°	3662.3	3655.7	3717.6	3805.4	3798.7
47.5°	3488.8	3455.5	3542.2	3627.1	3634.8
50°	3279.0	3266.7	3345.9	3448.8	3456.4
52.5°	3074.1	3065.5	3148.4	3252.3	3265.7
55°	2870.0	2848.1	2944.4	3042.6	3050.2
57.5°	2651.7	2628.8	2727.0	2833.9	2850.0
60°	2418.0	2396.1	2503.8	2603.1	2070.1
62.5°	2184.4	2169.2	2281.8	1616.2	1302.5
65°	1933.7	1933.7	2046.1	1173.7	1177.6
67.5°	1699.2	1683.9	1525.6	1054.5	1054.5
70°	1447.4	1453.1	879.1	924.0	924.9
72.5°	1194.7	1215.7	759.0	795.2	797.1
75°	955.4	973.6	632.1	665.6	668.4
77.5°	701.8	539.6	508.2	534.0	535.0
80°	492.9	340.4	389.1	413.8	411.0
82.5°	287.9	238.4	285.1	303.3	302.2
85°	124.9	158.3	197.4	213.6	202.1
87.5°	40.0	98.2	122.9	132.6	131.5
90°	3.2	73.6	115.2	140.2	142.5
92.5°	10.5	68.5	120.8	156.8	164.2
95°	33.5	93.9	167.2	219.9	239.3
97.5°	159.6	192.1	237.2	294.6	309.5
100°	326.9	357.3	315.7	347.5	353.4
102.5°	513.2	521.0	385.1	361.9	358.1
105°	603.7	603.8	521.3	371.8	343.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	492.4	497.5	490.7	474.9	447.9
115°	419.4	426.2	428.2	420.5	413.9
117.5°	353.2	355.7	357.3	355.7	356.5
120°	295.0	300.7	303.9	301.5	299.9
122.5°	246.5	253.8	257.9	255.4	253.8
125°	202.1	211.8	217.4	216.6	215.0
127.5°	171.4	178.6	185.9	185.1	183.5
130°	148.7	154.4	159.2	160.0	160.9
132.5°	133.4	135.8	140.6	141.5	143.1
135°	119.6	122.1	126.1	127.7	128.5
137.5°	109.1	111.6	114.8	116.4	117.2
140°	100.2	102.7	105.1	106.7	107.5
142.5°	93.0	95.4	97.8	98.6	99.4
145°	87.3	88.9	91.3	92.2	92.2
147.5°	81.6	83.3	84.9	86.5	86.5
150°	76.8	78.4	80.0	80.8	81.6
152.5°	73.6	74.4	76.0	76.8	76.8
155°	69.5	71.1	71.9	72.8	72.8
157.5°	67.1	67.9	68.7	69.5	69.5
160°	64.7	64.7	65.5	66.3	66.3
162.5°	62.2	62.2	63.0	63.9	63.9
165°	59.8	60.6	60.6	61.4	61.4
167.5°	58.2	58.2	59.0	59.0	59.8
170°	56.6	56.6	57.4	57.4	57.4
172.5°	55.0	55.8	55.8	55.8	55.8
175°	54.2	54.2	55.0	55.0	55.0
177.5°	53.4	54.2	54.2	54.2	54.2
180°	54.2	54.2	54.2	54.2	54.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	609.4	614.1	571.1	441.8	365.8
110°	559.4	568.7	547.3	495.1	432.5



(END OF REPORT)