

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: P827703

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827703
REPORT IS A COMBINATION OF REPORTS P826063 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-NL-UNV-L930-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

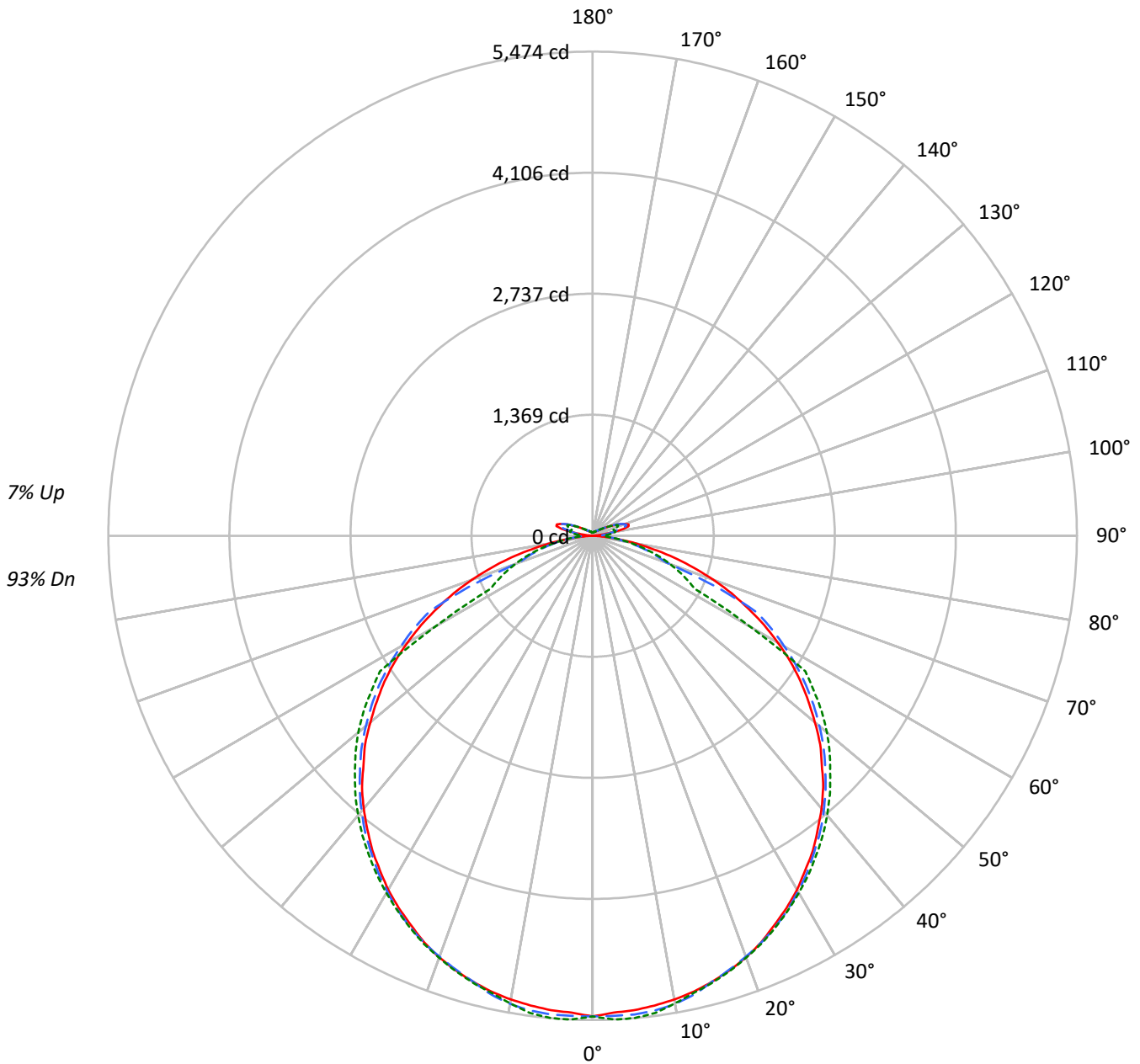
Lumens per Lamp: N/A
Luminaire Lumens: 16263.1 lumens
Efficiency: N/A
Efficacy: 146.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.1')
CIE Type: Direct

Input Watts (W): 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

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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	97	93	95	92	89	90	87	85	85	83	82	79																			
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	75	72	69	66																			
3	90	79	72	65	87	77	70	64	73	67	62	70	65	60	67	62	59	56																			
4	82	70	62	55	79	69	61	55	65	59	53	62	56	52	59	54	50	48																			
5	75	63	54	48	73	61	53	47	59	51	46	56	50	45	53	48	44	42																			
6	70	57	48	41	67	55	47	41	53	46	40	51	44	39	48	43	38	36																			
7	64	51	43	37	62	50	42	36	48	41	35	46	40	35	44	38	34	32																			
8	60	47	38	33	58	46	38	32	44	37	32	42	36	31	40	35	31	29																			
9	56	43	35	29	54	42	34	29	40	33	28	39	32	28	37	32	27	26																			
10	52	39	32	26	51	39	31	26	37	30	26	36	30	25	35	29	25	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	3.2
10°-20°	1478.2	9.1
20°-30°	2249.1	13.8
30°-40°	2734.6	16.8
40°-50°	2875.3	17.7
50°-60°	2625.5	16.1
60°-70°	1683.1	10.3
70°-80°	795.1	4.9
80°-90°	223.0	1.4
90°-100°	154.5	1.0
100°-110°	350.6	2.2
110°-120°	291.8	1.8
120°-130°	137.7	0.8
130°-140°	68.9	0.4
140°-150°	40.1	0.2
150°-160°	23.4	0.1
160°-170°	12.1	0.1
170°-180°	3.7	0.0
0°-30°	4243.5	26.1
0°-40°	6978.2	42.9
0°-60°	12479.1	76.7
0°-90°	15180.3	93.3
90°-120°	796.9	4.9
90°-150°	1043.7	6.4
90°-180°	1083.0	6.7
0°-180°	16263.1	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°	2	68	107	129	130	7
95°	23	74	132	179	193	68
105°	423	424	368	265	244	400
115°	296	298	301	296	285	294
125°	142	148	151	150	150	133
135°	82	85	88	89	89	66
145°	61	62	63	64	65	38
155°	48	49	50	51	51	23
165°	42	42	43	43	43	12
175°	38	38	38	38	38	4
180°	37	37	37	37	37	



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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°	2.4	68.0	107.1	128.9	130.4
92.5°	7.3	60.5	107.0	139.0	144.0
95°	23.0	74.5	132.5	178.6	193.2
97.5°	111.1	138.8	179.0	225.1	235.1
100°	225.0	256.2	229.2	256.2	261.3
102.5°	359.6	363.3	273.5	261.7	258.7
105°	422.7	423.6	367.7	265.1	243.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	343.6	348.0	348.4	332.6	312.1
115°	295.8	297.6	301.3	296.0	285.4
117.5°	244.1	247.4	249.8	247.4	245.7
120°	204.5	209.4	211.0	207.7	207.7
122.5°	172.2	176.2	178.6	176.2	177.0
125°	142.3	147.9	151.2	149.5	150.4
127.5°	118.8	123.7	129.3	128.5	128.5
130°	103.5	106.7	110.7	111.6	111.6
132.5°	92.2	94.6	97.8	98.6	99.4
135°	82.4	84.9	88.1	88.9	88.9
137.5°	76.0	77.6	80.0	80.8	81.6
140°	69.5	71.9	73.6	74.4	74.4
142.5°	64.7	66.3	67.9	68.7	69.5
145°	60.6	62.2	63.0	63.9	64.7
147.5°	56.6	58.2	59.8	59.8	60.6
150°	54.2	55.0	55.8	56.6	56.6
152.5°	50.9	51.7	52.5	53.4	53.4
155°	48.5	49.3	50.1	50.9	50.9
157.5°	46.1	47.7	47.7	48.5	48.5
160°	44.5	45.3	46.1	46.1	46.1
162.5°	42.8	43.6	43.6	44.5	44.5
165°	42.0	42.0	42.8	42.8	42.8
167.5°	40.4	40.4	41.2	41.2	41.2
170°	39.6	39.6	39.6	40.4	40.4
172.5°	38.8	38.8	38.8	38.8	38.8
175°	38.0	38.0	38.0	38.0	38.0
177.5°	37.2	38.0	38.0	38.0	38.0
180°	37.2	37.2	37.2	37.2	37.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	425.1	431.4	402.1	310.1	252.6
110°	390.5	399.0	384.0	347.2	299.2



(END OF REPORT)