

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: P827705

Luminaire Tested: **OHBL-18HE-NL-UNV-L930-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827705
REPORT IS A COMBINATION OF REPORTS P826231 AND G3-2310-221-6
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-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

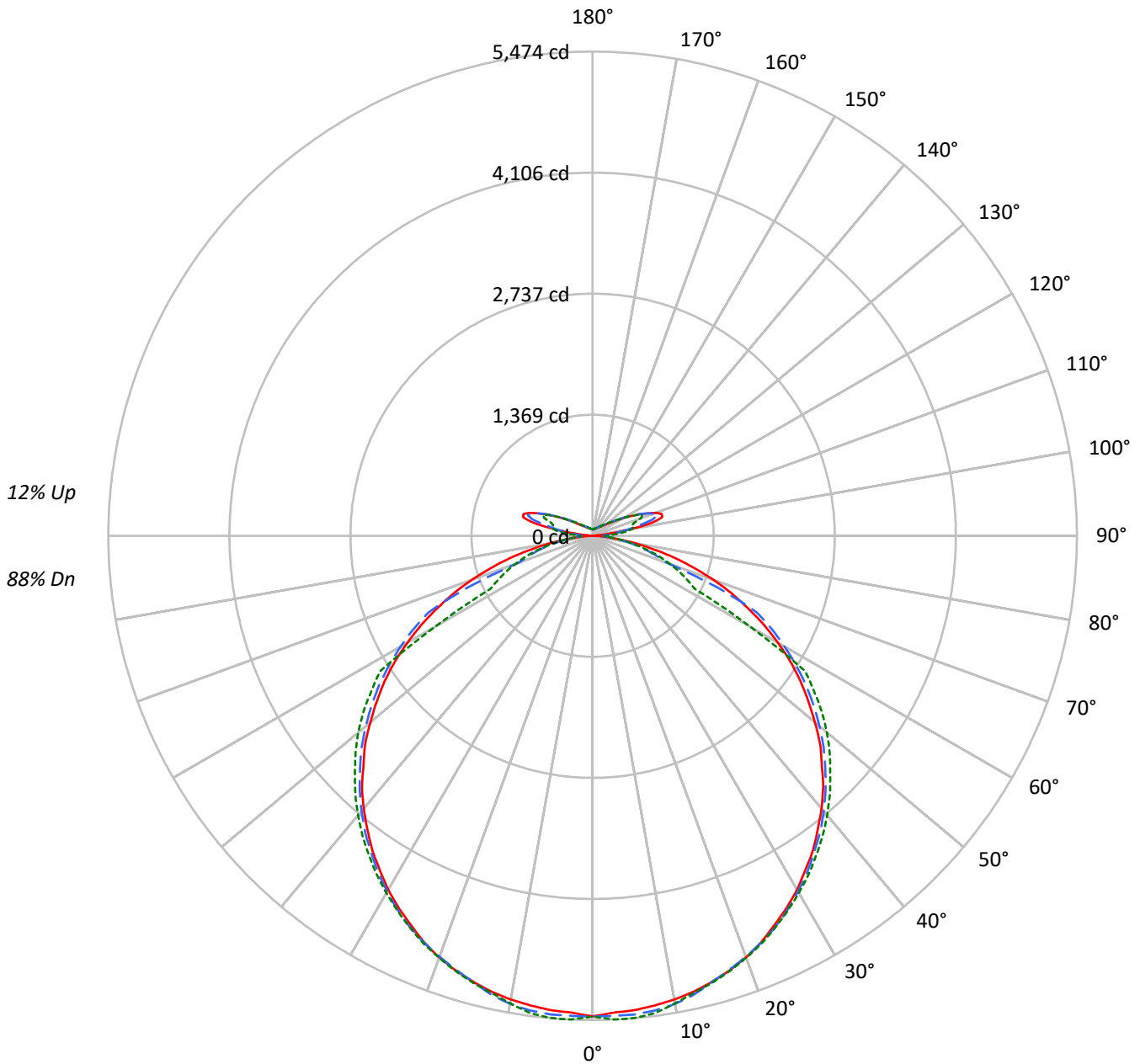
Lumens per Lamp: N/A
Luminaire Lumens: 17212.9 lumens
Efficiency: N/A
Efficacy: 143.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 120.4
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: P827705

CATALOG NUMBER: OHBL-18HE-NL-UNV-L930-CD-UPL24

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88			88
1	107	102	98	94	103	99	95	92	92	89	87	86	84	82	81	79	78	75			75
2	97	89	83	77	93	86	81	75	81	76	72	76	72	69	71	68	65	63			63
3	89	79	71	64	85	76	69	63	71	65	61	67	62	58	63	59	56	53			53
4	81	70	61	55	78	67	60	54	64	57	52	60	54	50	56	52	48	45			45
5	75	62	53	47	72	60	52	46	57	50	45	54	48	43	51	46	42	39			39
6	69	56	47	41	66	54	46	40	51	44	39	49	42	38	46	41	37	34			34
7	64	51	42	36	61	49	41	36	47	40	34	44	38	33	42	37	32	30			30
8	59	46	38	32	57	45	37	32	43	36	31	40	34	30	38	33	29	27			27
9	55	42	34	29	53	41	34	28	39	32	28	37	31	27	35	30	26	24			24
10	52	39	31	26	50	38	31	26	36	30	25	34	29	24	33	28	24	22			22

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	3.0
10°-20°	1478.2	8.6
20°-30°	2249.1	13.1
30°-40°	2734.6	15.9
40°-50°	2875.3	16.7
50°-60°	2625.5	15.3
60°-70°	1683.1	9.8
70°-80°	795.1	4.6
80°-90°	225.5	1.3
90°-100°	245.8	1.4
100°-110°	666.6	3.9
110°-120°	562.6	3.3
120°-130°	267.8	1.6
130°-140°	134.0	0.8
140°-150°	77.7	0.5
150°-160°	45.3	0.3
160°-170°	23.5	0.1
170°-180°	7.1	0.0
0°-30°	4243.5	24.7
0°-40°	6978.2	40.5
0°-60°	12479.1	72.5
0°-90°	15182.7	88.2
90°-120°	1474.9	8.6
90°-150°	1954.3	11.4
90°-180°	2030.0	11.8
0°-180°	17212.9	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°	4	81	126	154	158	8
95°	46	117	202	269	293	135
105°	816	812	698	501	460	774
115°	564	572	574	570	559	568
125°	273	288	293	293	290	256
135°	162	165	171	172	174	128
145°	117	120	123	124	124	75
155°	94	95	97	98	98	44
165°	81	82	82	82	82	23
175°	73	74	74	74	74	7
180°	73	73	73	73	73	



TEST NUMBER: P827705

CATALOG NUMBER: OHBL-18HE-NL-UNV-L930-CD-UPL24

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°	4.0	80.9	125.7	154.0	157.9
92.5°	13.7	78.2	134.5	177.8	189.2
95°	45.7	117.4	202.0	269.2	293.4
97.5°	219.4	255.2	297.8	373.0	401.7
100°	448.1	489.8	411.9	451.8	460.1
102.5°	694.3	698.8	517.7	478.3	472.9
105°	815.5	812.4	697.5	501.1	460.5



TEST NUMBER: P827705

CATALOG NUMBER: OHBL-18HE-NL-UNV-L930-CD-UPL24

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	658.9	670.5	660.4	639.0	606.3
115°	564.1	571.7	574.5	570.0	559.4
117.5°	478.5	479.3	482.6	481.8	482.6
120°	396.1	405.0	412.2	408.2	403.4
122.5°	332.2	341.9	346.8	345.2	340.3
125°	273.2	287.8	293.4	292.6	290.2
127.5°	231.2	241.7	249.8	250.6	249.8
130°	201.3	207.7	215.8	216.6	217.4
132.5°	178.6	184.3	190.0	193.2	192.4
135°	161.7	164.9	170.6	172.2	173.8
137.5°	147.9	150.4	155.2	157.6	157.6
140°	135.8	139.0	143.1	144.7	145.5
142.5°	125.3	128.5	131.8	133.4	133.4
145°	117.2	120.4	122.9	123.7	124.5
147.5°	109.9	113.2	114.8	116.4	116.4
150°	104.3	105.9	108.3	109.1	109.9
152.5°	98.6	100.2	102.7	103.5	103.5
155°	93.8	95.4	97.0	97.8	97.8
157.5°	89.7	91.3	93.0	93.8	93.8
160°	86.5	87.3	88.9	89.7	89.7
162.5°	83.3	84.1	84.9	85.7	85.7
165°	80.8	81.6	82.4	82.4	82.4
167.5°	78.4	78.4	79.2	80.0	80.0
170°	76.0	76.8	76.8	77.6	77.6
172.5°	74.4	75.2	75.2	75.2	76.0
175°	72.8	73.6	73.6	74.4	74.4
177.5°	72.8	72.8	72.8	72.8	72.8
180°	72.8	72.8	72.8	72.8	72.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	818.8	826.7	767.5	597.8	493.5
110°	756.7	766.8	733.2	667.3	581.3



(END OF REPORT)