

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: P827991

Luminaire Tested: **OHBL-18HE-A-UNV-L935-CD-UPL12**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827991
REPORT IS A COMBINATION OF REPORTS P826059 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-A-UNV-L935-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

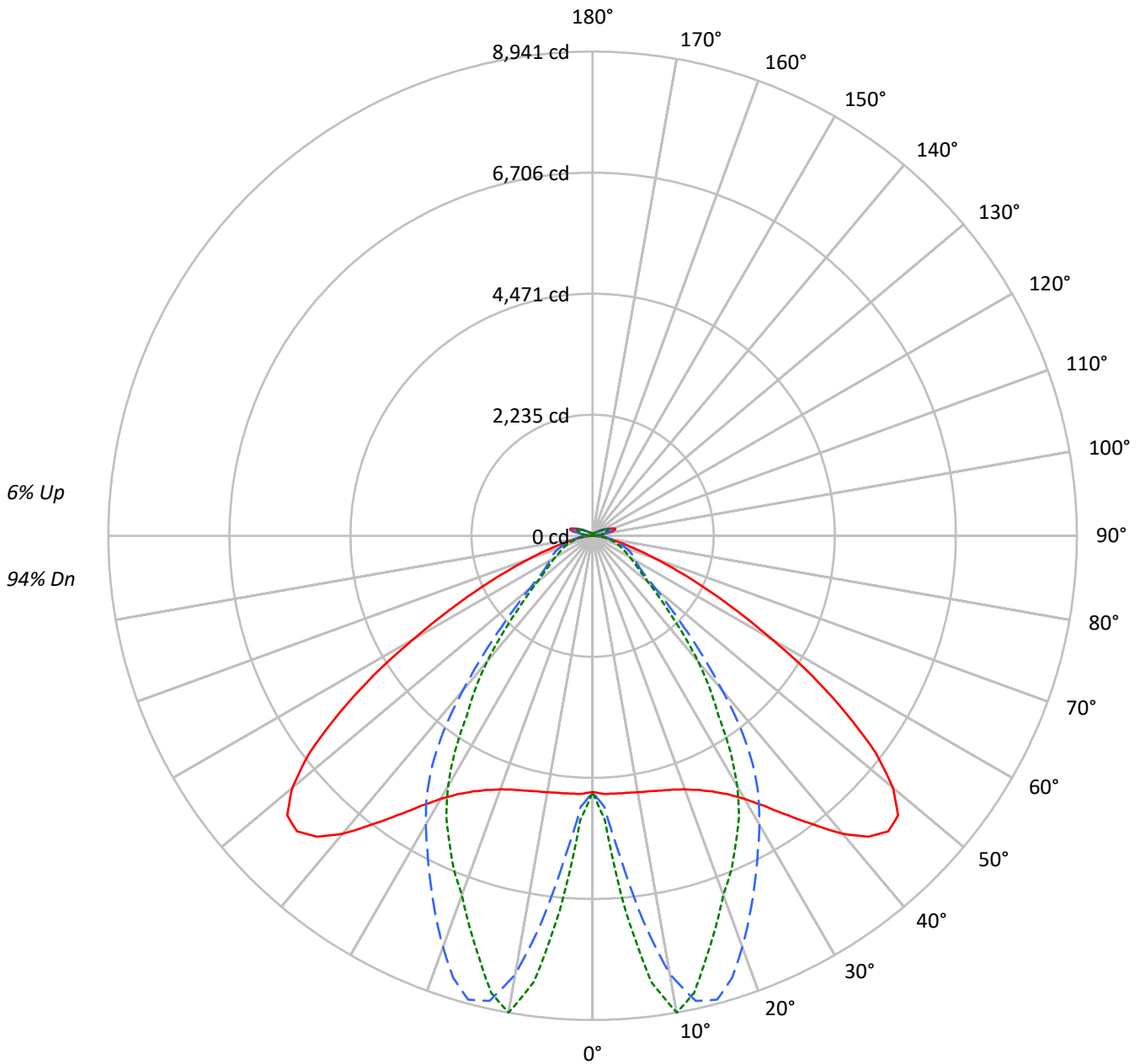
Lumens per Lamp: N/A
Luminaire Lumens: 16221.1 lumens
Efficiency: N/A
Efficacy: 145.6 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

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: P827991

CATALOG NUMBER: OHBL-18HE-A-UNV-L935-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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94																			
1	109	105	102	98	106	102	99	96	97	94	92	92	90	88	87	86	84	82																			
2	101	94	88	83	98	92	86	82	87	83	79	83	79	76	79	76	74	71																			
3	93	84	77	72	90	82	76	71	78	73	69	75	71	67	72	68	65	63																			
4	86	76	68	63	84	74	67	62	71	65	60	68	63	59	65	61	57	55																			
5	80	69	61	55	78	67	60	55	65	58	53	62	57	52	60	55	51	49																			
6	75	63	55	49	72	62	54	49	59	53	48	57	51	47	55	50	46	44																			
7	70	57	50	44	68	56	49	44	54	48	43	52	47	42	51	46	42	40																			
8	65	53	45	40	63	52	45	40	50	44	39	48	43	38	47	42	38	36																			
9	61	49	41	36	59	48	41	36	46	40	36	45	39	35	44	38	35	33																			
10	57	45	38	33	56	45	38	33	43	37	33	42	36	32	41	35	32	30																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8081	8081	8081
5°	8123	10164	11847
10°	8195	14013	15387
15°	8390	15265	14123
20°	8737	14164	12622
25°	9374	12738	11545
30°	10453	11470	10266
35°	12289	10039	8181
40°	14776	7645	6510
45°	16949	5209	4634
50°	17183	3573	3427
55°	14873	2812	2800
60°	11110	2631	2519
65°	7615	2639	2386
70°	4869	2546	2311
75°	2928	2356	2211
80°	1723	2071	2281
85°	829	1778	2115



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	617.7	3.8
10°-20°	2180.2	13.4
20°-30°	3212.6	19.8
30°-40°	3376.0	20.8
40°-50°	2583.2	15.9
50°-60°	1559.9	9.6
60°-70°	951.9	5.9
70°-80°	519.6	3.2
80°-90°	185.0	1.1
90°-100°	99.1	0.6
100°-110°	344.9	2.1
110°-120°	296.3	1.8
120°-130°	142.0	0.9
130°-140°	71.0	0.4
140°-150°	41.3	0.3
150°-160°	24.1	0.1
160°-170°	12.5	0.1
170°-180°	3.8	0.0
0°-30°	6010.5	37.1
0°-40°	9386.5	57.9
0°-60°	13529.5	83.4
0°-90°	15185.9	93.6
90°-120°	740.3	4.6
90°-150°	994.7	6.1
90°-180°	1035.0	6.4
0°-180°	16221.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4732	4732	4732	4732	4732	
5°	4779	5127	5981	6678	6936	457
15°	4872	7588	8869	8276	8081	1385
25°	5206	8807	7080	6410	6252	2433
35°	6306	7053	5158	4296	4044	4001
45°	7719	4024	2376	2091	2003	5832
55°	5708	1365	1082	1002	1000	5044
65°	2288	864	796	681	646	2345
75°	609	537	493	407	390	701
85°	91	167	196	179	162	112
90°	2	15	20	26	29	7
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	



TEST NUMBER: P827991

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4731.5	4731.5	4731.5	4731.5	4731.5
2.5°	4770.3	4819.0	5010.9	5210.2	5258.7
5°	4779.0	5127.2	5981.2	6678.5	6936.2
7.5°	4789.2	5626.5	7183.3	8037.1	8310.4
10°	4808.4	6257.9	8225.0	8837.9	8941.2
12.5°	4832.4	6926.9	8798.2	8775.8	8645.6
15°	4872.2	7588.5	8868.8	8275.9	8081.3
17.5°	4913.9	8148.3	8560.8	7731.8	7562.3
20°	4981.9	8563.8	8081.8	7248.1	7055.5
22.5°	5079.9	8792.3	7579.4	6810.6	6685.0
25°	5206.3	8807.1	7080.5	6410.3	6252.1
27.5°	5375.8	8602.8	6602.2	6018.1	5850.9
30°	5606.2	8211.6	6157.9	5545.2	5337.8
32.5°	5919.3	7648.6	5699.8	4974.2	4741.7
35°	6306.4	7052.8	5158.2	4295.8	4044.5
37.5°	6728.8	6391.4	4501.1	3694.9	3548.7
40°	7183.3	5709.9	3722.2	3132.8	3028.0
42.5°	7538.0	4968.9	2998.6	2603.3	2492.0
45°	7718.8	4024.4	2376.1	2090.8	2003.0
47.5°	7648.3	3124.0	1883.7	1661.3	1634.9
50°	7237.5	2306.8	1507.9	1368.5	1357.6
52.5°	6595.2	1719.3	1245.6	1159.3	1140.5
55°	5708.2	1364.7	1081.7	1002.5	999.5
57.5°	4792.6	1159.3	981.8	920.5	899.2
60°	3815.8	1033.8	906.2	836.9	793.8
62.5°	2991.1	945.9	850.5	756.6	716.2
65°	2288.5	863.9	795.8	680.9	646.2
67.5°	1705.9	785.8	728.8	601.4	581.1
70°	1242.9	705.7	652.5	534.8	518.8
72.5°	885.8	625.8	576.2	472.3	454.7
75°	609.3	537.3	492.8	406.6	390.2
77.5°	411.1	447.0	410.7	347.2	340.2
80°	274.5	354.5	332.2	294.2	289.9
82.5°	166.6	257.2	262.2	239.3	227.7
85°	90.7	166.6	196.4	178.9	162.3
87.5°	35.5	92.3	135.3	121.5	114.4
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



TEST NUMBER: P827991

CATALOG NUMBER: OHBL-18HE-A-UNV-L935-CD-UPL12

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)