

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: P828327

Luminaire Tested: **OHBL-24HE-A-UNV-L940-CD-UPL12**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828327
REPORT IS A COMBINATION OF REPORTS P826071 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-24HE-A-UNV-L940-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

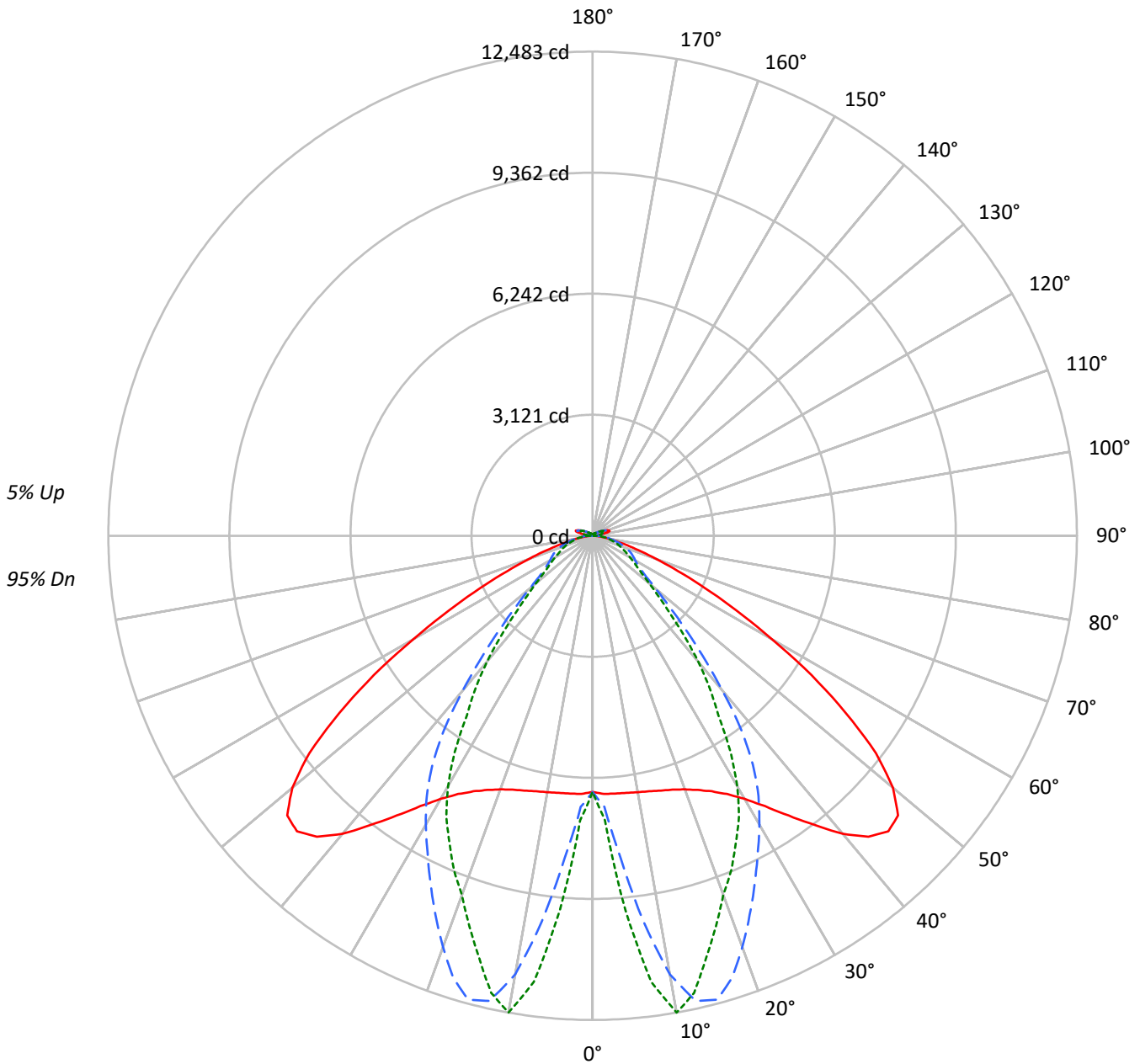
Lumens per Lamp: N/A
Luminaire Lumens: 22280.7 lumens
Efficiency: N/A
Efficacy: 157.6 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 141.4
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	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	95																			
1	109	105	102	99	106	103	100	97	98	95	93	93	91	89	89	87	86	83																			
2	101	94	88	84	98	92	87	82	88	83	80	84	80	77	80	77	75	73																			
3	94	85	78	72	91	83	76	71	79	74	69	76	71	68	73	69	66	64																			
4	87	76	69	63	84	75	68	62	72	66	61	69	64	60	66	62	58	56																			
5	81	69	61	56	78	68	61	55	65	59	54	63	57	53	61	56	52	50																			
6	75	63	55	49	73	62	54	49	60	53	48	58	52	48	56	51	47	45																			
7	70	58	50	44	68	57	49	44	55	48	43	53	47	43	51	46	42	40																			
8	65	53	45	40	64	52	45	40	51	44	39	49	43	39	48	42	38	37																			
9	61	49	42	37	60	48	41	36	47	40	36	46	40	36	44	39	35	33																			
10	58	46	38	33	56	45	38	33	44	37	33	42	37	33	41	36	32	31																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10447	10447	10447
5°	10507	13145	15314
10°	10607	18132	19892
15°	10867	19761	18257
20°	11324	18344	16316
25°	12159	16505	14924
30°	13568	14870	13271
35°	15963	13022	10575
40°	19211	9923	8416
45°	22059	6766	5990
50°	22389	4645	4431
55°	19407	3659	3620
60°	14521	3427	3257
65°	9975	3444	3084
70°	6396	3328	2987
75°	3863	3090	2858
80°	2289	2728	2949
85°	1116	2364	2734



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	862.4	3.9
10°-20°	3043.8	13.7
20°-30°	4485.2	20.1
30°-40°	4713.3	21.2
40°-50°	3606.5	16.2
50°-60°	2177.8	9.8
60°-70°	1328.9	6.0
70°-80°	725.4	3.3
80°-90°	257.3	1.2
90°-100°	103.4	0.5
100°-110°	359.9	1.6
110°-120°	309.1	1.4
120°-130°	148.1	0.7
130°-140°	74.1	0.3
140°-150°	43.1	0.2
150°-160°	25.2	0.1
160°-170°	13.1	0.1
170°-180°	4.0	0.0
0°-30°	8391.5	37.7
0°-40°	13104.7	58.8
0°-60°	18889.0	84.8
0°-90°	21200.7	95.2
90°-120°	772.4	3.5
90°-150°	1037.8	4.7
90°-180°	1080.0	4.8
0°-180°	22280.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6606	6606	6606	6606	6606	
5°	6672	7158	8350	9324	9684	638
15°	6802	10594	12382	11554	11283	1934
25°	7269	12296	9885	8950	8729	3397
35°	8805	9847	7202	5997	5647	5585
45°	10776	5619	3317	2919	2796	8142
55°	7970	1905	1510	1400	1395	7042
65°	3195	1206	1111	951	902	3274
75°	851	750	688	568	545	979
85°	127	233	274	250	227	156
90°	3	16	21	27	30	9
95°	22	50	75	101	116	71
105°	450	444	379	269	247	425
115°	313	313	314	311	306	313
125°	153	159	163	161	162	143
135°	89	91	95	96	96	71
145°	65	67	68	69	70	41
155°	52	53	54	55	55	24
165°	45	45	46	46	46	13
175°	41	41	41	41	41	4
180°	40	40	40	40	40	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6605.9	6605.9	6605.9	6605.9	6605.9
2.5°	6659.9	6727.9	6995.9	7274.1	7341.8
5°	6672.1	7158.2	8350.5	9324.1	9683.9
7.5°	6686.3	7855.3	10028.9	11220.9	11602.5
10°	6713.2	8736.9	11483.2	12339.0	12483.1
12.5°	6746.6	9670.8	12283.4	12252.3	12070.4
15°	6802.2	10594.5	12382.0	11554.3	11282.6
17.5°	6860.5	11376.1	11952.0	10794.6	10558.0
20°	6955.4	11956.3	11283.2	10119.2	9850.5
22.5°	7092.2	12275.3	10581.8	9508.5	9333.1
25°	7268.7	12295.9	9885.2	8949.6	8728.7
27.5°	7505.2	12010.6	9217.6	8402.1	8168.7
30°	7827.0	11464.5	8597.2	7741.8	7452.3
32.5°	8264.1	10678.4	7957.6	6944.6	6620.0
35°	8804.6	9846.7	7201.6	5997.4	5646.7
37.5°	9394.3	8923.3	6284.1	5158.6	4954.4
40°	10028.9	7971.8	5196.6	4373.7	4227.5
42.5°	10524.0	6937.3	4186.5	3634.6	3479.1
45°	10776.4	5618.7	3317.4	2919.1	2796.5
47.5°	10678.2	4361.5	2629.9	2319.4	2282.6
50°	10104.5	3220.5	2105.3	1910.7	1895.4
52.5°	9207.7	2400.4	1739.0	1618.6	1592.3
55°	7969.5	1905.3	1510.1	1399.6	1395.4
57.5°	6691.1	1618.6	1370.8	1285.2	1255.5
60°	5327.4	1443.3	1265.0	1168.4	1108.2
62.5°	4175.9	1320.6	1187.5	1056.3	999.9
65°	3195.0	1206.2	1111.0	950.7	902.2
67.5°	2381.8	1097.1	1017.5	839.6	811.3
70°	1735.3	985.3	911.0	746.7	724.3
72.5°	1236.8	873.6	804.5	659.5	634.8
75°	850.7	750.1	688.1	567.7	544.7
77.5°	573.9	624.0	573.3	484.7	475.1
80°	383.3	494.9	463.7	410.7	404.8
82.5°	232.6	359.2	365.9	334.0	317.9
85°	126.6	232.6	274.2	249.9	226.6
87.5°	49.6	128.9	188.9	169.7	159.8
90°	2.6	15.6	20.9	27.0	30.4
92.5°	7.8	20.0	33.0	47.0	51.3
95°	21.7	50.4	74.8	100.9	116.5
97.5°	117.4	127.8	144.3	170.4	179.1
100°	240.0	258.2	214.8	224.3	228.7
102.5°	381.7	376.5	274.7	248.7	244.3
105°	449.5	444.3	379.1	268.7	246.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	363.4	366.0	363.4	349.5	334.7
115°	313.0	313.0	313.9	311.3	306.0
117.5°	262.6	266.0	268.7	266.0	264.3
120°	220.0	225.2	226.9	223.4	223.4
122.5°	185.2	189.5	192.1	189.5	190.4
125°	153.0	159.1	162.6	160.8	161.7
127.5°	127.8	133.0	139.1	138.2	138.2
130°	111.3	114.8	119.1	120.0	120.0
132.5°	99.1	101.7	105.2	106.1	106.9
135°	88.7	91.3	94.8	95.6	95.6
137.5°	81.7	83.5	86.1	86.9	87.8
140°	74.8	77.4	79.1	80.0	80.0
142.5°	69.6	71.3	73.0	73.9	74.8
145°	65.2	66.9	67.8	68.7	69.6
147.5°	60.9	62.6	64.3	64.3	65.2
150°	58.3	59.1	60.0	60.9	60.9
152.5°	54.8	55.6	56.5	57.4	57.4
155°	52.2	53.0	53.9	54.8	54.8
157.5°	49.6	51.3	51.3	52.2	52.2
160°	47.8	48.7	49.6	49.6	49.6
162.5°	46.1	47.0	47.0	47.8	47.8
165°	45.2	45.2	46.1	46.1	46.1
167.5°	43.5	43.5	44.3	44.3	44.3
170°	42.6	42.6	42.6	43.5	43.5
172.5°	41.7	41.7	41.7	41.7	41.7
175°	40.9	40.9	40.9	40.9	40.9
177.5°	40.0	40.9	40.9	40.9	40.9
180°	40.0	40.0	40.0	40.0	40.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	452.1	453.8	418.2	324.3	268.7
110°	413.9	419.9	400.8	365.2	320.8



(END OF REPORT)