

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: P827740

Luminaire Tested: **OHBL-24HE-NL-UNV-L930-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827740
REPORT IS A COMBINATION OF REPORTS P826243 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-24HE-NL-UNV-L930-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

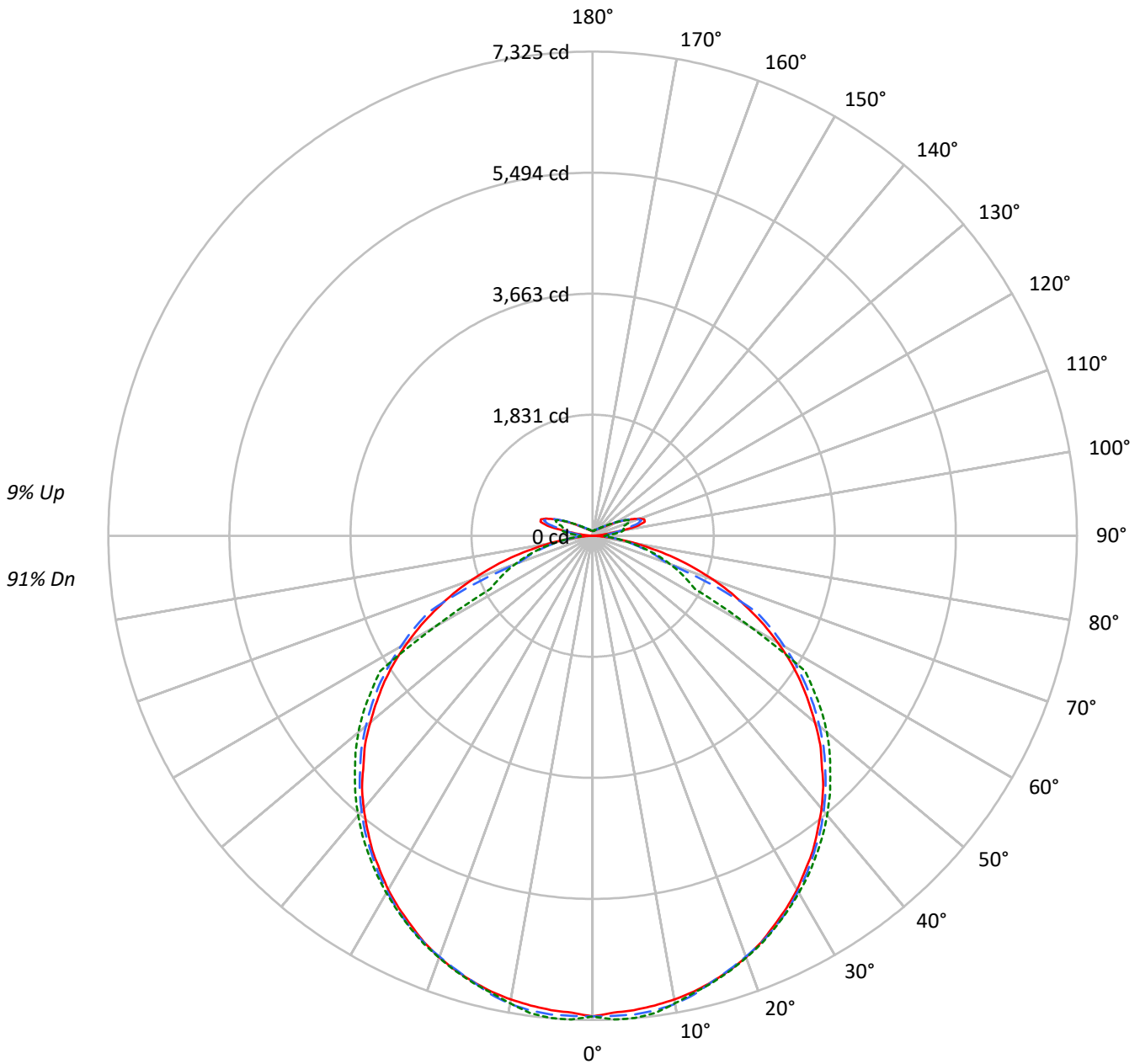
Lumens per Lamp: N/A
Luminaire Lumens: 22371.7 lumens
Efficiency: N/A
Efficacy: 148.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.1')
CIE Type: Direct

Input Watts (W): 150.4
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	117	117	117	117	113	113	113	113	106	106	106	100	100	100	94	94	94	91																			
1	107	103	99	95	104	99	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	72	66	61	69	63	59	65	61	57	55																			
4	82	70	61	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	37	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°	11500	11500	11500
5°	11381	11481	11600
10°	11328	11431	11480
15°	11269	11260	11380
20°	11195	11169	11323
25°	11057	11101	11271
30°	10940	10982	11222
35°	10798	10839	11178
40°	10626	10706	11145
45°	10384	10516	11076
50°	10125	10303	11032
55°	9810	10033	10845
60°	9336	9630	8378
65°	8652	9113	5580
70°	7770	4692	5335
75°	6471	4249	4974
80°	4568	3568	4355
85°	1854	2882	3769



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	690.8	3.1
10°-20°	1978.0	8.8
20°-30°	3009.7	13.5
30°-40°	3659.3	16.4
40°-50°	3847.6	17.2
50°-60°	3513.3	15.7
60°-70°	2252.2	10.1
70°-80°	1063.9	4.8
80°-90°	300.0	1.3
90°-100°	265.5	1.2
100°-110°	672.0	3.0
110°-120°	564.1	2.5
120°-130°	267.8	1.2
130°-140°	134.0	0.6
140°-150°	77.7	0.3
150°-160°	45.3	0.2
160°-170°	23.5	0.1
170°-180°	7.1	0.0
0°-30°	5678.4	25.4
0°-40°	9337.7	41.7
0°-60°	16698.7	74.6
0°-90°	20314.8	90.8
90°-120°	1501.6	6.7
90°-150°	1981.0	8.9
90°-180°	2057.0	9.2
0°-180°	22371.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7271	7271	7271	7271	7271	
5°	7204	7232	7269	7308	7324	685
15°	6986	7038	6984	6994	7000	1972
25°	6501	6511	6534	6544	6539	3000
35°	5810	5776	5842	5914	5897	3631
45°	4901	4892	4975	5092	5083	3788
55°	3840	3811	3940	4071	4082	3425
65°	2588	2588	2738	1571	1576	2565
75°	1278	1303	846	891	894	1348
85°	167	212	264	286	270	247
90°	4	99	155	189	192	10
95°	47	127	223	298	322	135
105°	817	816	703	506	465	776
115°	566	574	578	572	560	569
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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7271.4	7271.4	7271.4	7271.4	7271.4
2.5°	7220.4	7244.6	7271.4	7305.9	7324.9
5°	7203.7	7231.8	7268.9	7308.4	7323.7
7.5°	7168.1	7207.5	7243.3	7271.4	7280.3
10°	7123.4	7170.6	7191.0	7188.4	7182.1
12.5°	7063.4	7113.2	7106.9	7077.4	7082.5
15°	6985.5	7037.8	6984.3	6994.5	6999.6
17.5°	6893.7	6944.8	6882.2	6902.6	6904.0
20°	6786.6	6824.8	6776.3	6792.9	6792.9
22.5°	6657.7	6684.4	6664.1	6675.5	6678.1
25°	6500.8	6510.9	6533.8	6544.1	6538.9
27.5°	6350.3	6337.4	6382.1	6406.3	6393.5
30°	6183.0	6162.7	6214.9	6254.5	6239.2
32.5°	5991.6	5978.9	6038.9	6086.0	6077.1
35°	5810.5	5776.0	5842.3	5913.8	5897.2
37.5°	5596.1	5575.7	5650.9	5726.3	5717.4
40°	5386.8	5352.4	5437.9	5527.2	5518.2
42.5°	5162.3	5121.4	5214.6	5321.9	5311.6
45°	4900.7	4891.8	4974.7	5092.1	5083.2
47.5°	4668.6	4623.9	4739.9	4853.6	4863.8
50°	4387.8	4371.3	4477.2	4615.0	4625.1
52.5°	4113.5	4102.0	4213.0	4352.1	4369.9
55°	3840.4	3811.1	3940.0	4071.4	4081.7
57.5°	3548.3	3517.7	3649.1	3792.1	3813.6
60°	3235.7	3206.3	3350.5	3483.3	2770.0
62.5°	2923.1	2902.6	3053.3	2162.7	1743.0
65°	2587.6	2587.6	2738.0	1570.6	1575.8
67.5°	2273.7	2253.3	2041.5	1411.1	1411.1
70°	1936.8	1944.5	1176.3	1236.4	1237.6
72.5°	1598.7	1626.8	1015.7	1064.1	1066.6
75°	1278.5	1302.7	845.9	890.6	894.4
77.5°	939.1	722.2	680.0	714.6	715.8
80°	659.6	455.5	520.6	553.7	549.9
82.5°	385.3	319.0	381.5	405.8	404.4
85°	167.1	211.8	264.1	285.8	270.5
87.5°	53.5	131.4	164.5	177.3	176.0
90°	4.0	98.9	155.4	189.2	192.4
92.5°	13.7	92.5	160.3	210.1	221.8
95°	46.6	126.7	223.3	297.9	322.1
97.5°	220.0	262.0	313.0	395.7	424.9
100°	448.8	495.3	422.0	467.9	476.5
102.5°	695.9	703.3	523.7	488.6	483.5
105°	817.1	815.9	702.6	506.2	465.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	660.8	673.1	664.0	641.6	606.7
115°	565.8	573.9	577.7	572.3	559.8
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°	820.4	829.9	772.0	600.8	494.5
110°	758.6	769.7	737.1	669.9	581.6



(END OF REPORT)