

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: P827734

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827734
REPORT IS A COMBINATION OF REPORTS P826241 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-MFL-UNV-L930-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

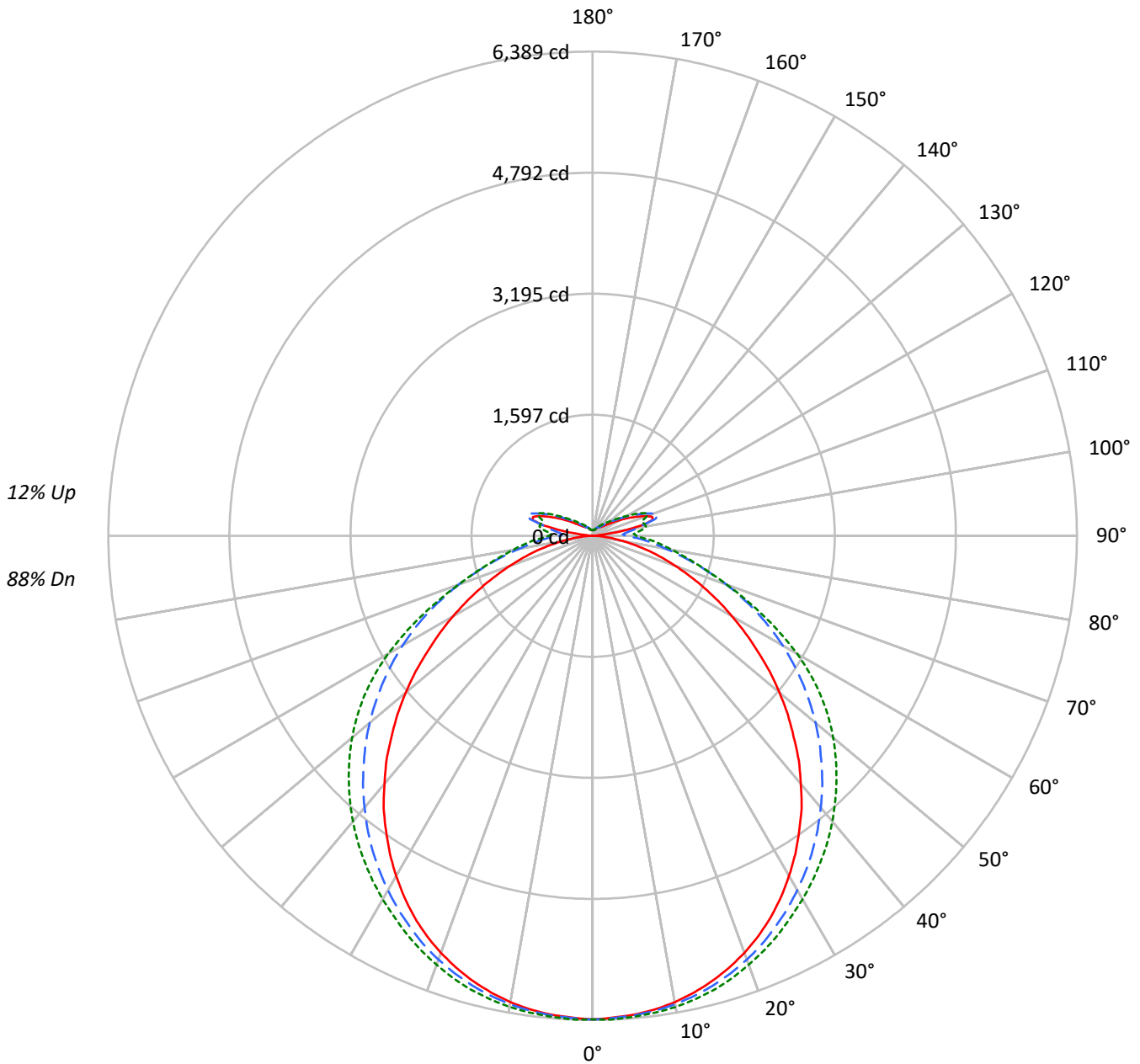
Lumens per Lamp: N/A
Luminaire Lumens: 21058.1 lumens
Efficiency: N/A
Efficacy: 140.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Semi-Direct

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				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	104	104	104	97	97	97	91	91	91	88				88
1	105	100	96	92	101	97	93	89	91	87	84	85	82	80	79	77	75	72				72
2	96	87	81	75	92	84	78	73	79	74	69	74	70	66	69	66	63	60				60
3	87	77	69	62	84	74	67	61	69	63	58	65	60	56	61	57	53	50				50
4	80	68	59	52	77	66	58	51	62	55	49	58	52	47	54	50	46	43				43
5	73	61	52	45	70	59	50	44	55	48	43	52	46	41	49	44	40	37				37
6	68	54	46	39	65	53	45	39	50	43	37	47	41	36	44	39	35	32				32
7	63	49	41	35	60	48	40	34	45	38	33	43	37	32	40	35	31	29				29
8	58	45	37	31	56	44	36	30	41	34	29	39	33	28	37	32	28	26				26
9	54	41	33	28	52	40	32	27	38	31	26	36	30	26	34	29	25	23				23
10	51	38	30	25	49	37	30	25	35	29	24	33	27	23	32	26	23	21				21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10094	10094	10094
5°	9987	9998	10071
10°	9875	9910	10061
15°	9723	9805	10035
20°	9534	9676	9977
25°	9297	9514	9919
30°	8984	9340	9864
35°	8615	9154	9826
40°	8181	8940	9796
45°	7677	8706	9747
50°	7130	8471	9683
55°	6470	8182	9534
60°	5795	7842	9157
65°	5062	7408	8480
70°	4272	6854	7757
75°	3469	6214	7377
80°	2491	5752	7727
85°	1404	5979	9687



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	604.8	2.9
10°-20°	1735.0	8.2
20°-30°	2623.9	12.5
30°-40°	3150.0	15.0
40°-50°	3253.5	15.4
50°-60°	2927.1	13.9
60°-70°	2204.9	10.5
70°-80°	1331.4	6.3
80°-90°	656.2	3.1
90°-100°	461.5	2.2
100°-110°	807.1	3.8
110°-120°	650.0	3.1
120°-130°	319.7	1.5
130°-140°	161.3	0.8
140°-150°	91.0	0.4
150°-160°	50.2	0.2
160°-170°	23.5	0.1
170°-180°	7.1	0.0
0°-30°	4963.7	23.6
0°-40°	8113.7	38.5
0°-60°	14294.3	67.9
0°-90°	18486.8	87.8
90°-120°	1918.6	9.1
90°-150°	2490.6	11.8
90°-180°	2571.0	12.2
0°-180°	21058.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6382	6382	6382	6382	6382	
5°	6342	6359	6351	6376	6368	602
15°	6086	6115	6144	6195	6201	1716
25°	5558	5619	5698	5787	5801	2556
35°	4752	4863	5063	5216	5247	2971
45°	3750	3940	4269	4502	4550	2895
55°	2657	2932	3377	3632	3676	2382
65°	1621	1952	2390	2509	2480	1611
75°	764	1097	1384	1420	1406	815
85°	159	420	694	789	803	184
90°	4	192	435	550	576	13
95°	51	201	436	562	601	140
105°	822	866	854	711	680	780
115°	572	601	671	706	707	577
125°	286	305	357	385	387	268
135°	173	179	203	228	236	136
145°	133	134	138	152	157	84
155°	109	113	113	112	113	49
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°	6382.5	6382.5	6382.5	6382.5	6382.5
2.5°	6363.8	6379.4	6370.0	6390.3	6388.7
5°	6341.9	6359.1	6351.2	6376.2	6368.5
7.5°	6304.4	6323.1	6321.6	6349.7	6346.5
10°	6249.7	6270.0	6276.3	6313.7	6313.7
12.5°	6174.8	6201.3	6216.9	6262.2	6263.8
15°	6085.7	6115.4	6143.5	6195.1	6201.3
17.5°	5977.9	6015.5	6054.5	6113.8	6121.7
20°	5856.1	5898.2	5951.4	6013.8	6023.2
22.5°	5715.5	5765.5	5834.2	5907.6	5918.5
25°	5557.8	5618.6	5698.3	5787.3	5801.4
27.5°	5378.1	5448.4	5556.2	5656.2	5668.7
30°	5182.9	5265.6	5400.0	5518.7	5539.0
32.5°	4976.7	5072.0	5237.5	5370.3	5398.4
35°	4751.7	4862.6	5062.6	5215.7	5246.9
37.5°	4529.9	4651.7	4878.2	5053.2	5090.7
40°	4270.6	4422.1	4681.5	4875.1	4920.4
42.5°	4027.0	4191.0	4484.6	4695.5	4739.3
45°	3750.4	3939.5	4269.1	4501.8	4550.2
47.5°	3491.2	3695.8	4061.3	4301.9	4351.8
50°	3217.8	3442.8	3839.5	4091.0	4142.5
52.5°	2944.4	3186.5	3609.9	3870.7	3919.1
55°	2657.0	2932.0	3377.1	3631.8	3675.5
57.5°	2389.9	2680.4	3138.1	3380.3	3406.8
60°	2125.9	2427.4	2894.5	3106.9	3116.3
62.5°	1868.2	2185.3	2644.5	2813.2	2800.7
65°	1621.4	1952.5	2389.9	2508.7	2480.5
67.5°	1383.9	1726.0	2129.1	2205.6	2168.1
70°	1159.1	1505.8	1876.0	1915.0	1880.7
72.5°	960.6	1296.5	1619.8	1652.6	1627.7
75°	763.9	1096.6	1383.9	1419.9	1405.9
77.5°	579.5	902.8	1166.8	1213.7	1216.9
80°	417.1	726.4	977.8	1051.2	1060.6
82.5°	274.9	563.9	820.1	913.8	927.9
85°	159.3	420.2	693.6	788.9	802.9
87.5°	68.7	303.0	557.7	643.6	660.7
90°	4.0	191.5	434.7	550.0	575.9
92.5°	18.4	172.3	398.8	516.7	544.4
95°	50.7	200.6	435.9	562.3	600.6
97.5°	226.8	328.9	510.7	635.9	676.7
100°	455.6	554.9	605.7	693.1	713.0
102.5°	698.9	757.3	694.8	700.9	705.4
105°	821.7	865.9	854.1	710.8	680.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	665.7	705.0	768.6	790.6	771.0
115°	571.9	600.9	671.2	705.6	707.0
117.5°	492.6	510.5	576.3	609.9	615.4
120°	410.1	431.6	495.0	522.3	523.6
122.5°	346.3	363.8	420.2	448.2	448.1
125°	285.7	305.0	357.4	384.8	387.0
127.5°	242.1	255.8	304.4	333.4	337.2
130°	212.2	220.3	262.7	290.0	295.5
132.5°	189.6	198.4	229.0	257.2	262.7
135°	172.6	179.0	203.4	228.4	236.3
137.5°	158.8	164.4	181.8	206.0	212.3
140°	148.3	153.1	165.0	185.3	192.4
142.5°	139.4	142.6	149.0	167.7	172.4
145°	132.8	134.5	138.5	151.8	157.3
147.5°	125.5	128.8	130.4	138.3	143.0
150°	119.9	123.1	123.9	126.3	131.8
152.5°	114.2	117.5	118.3	117.5	120.7
155°	109.4	112.6	112.6	111.9	113.4
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°	824.9	873.5	905.7	789.2	698.4
110°	761.9	808.2	856.2	837.7	766.3



(END OF REPORT)