

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: P827737

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827737
REPORT IS A COMBINATION OF REPORTS P826242 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-N-UNV-L930-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

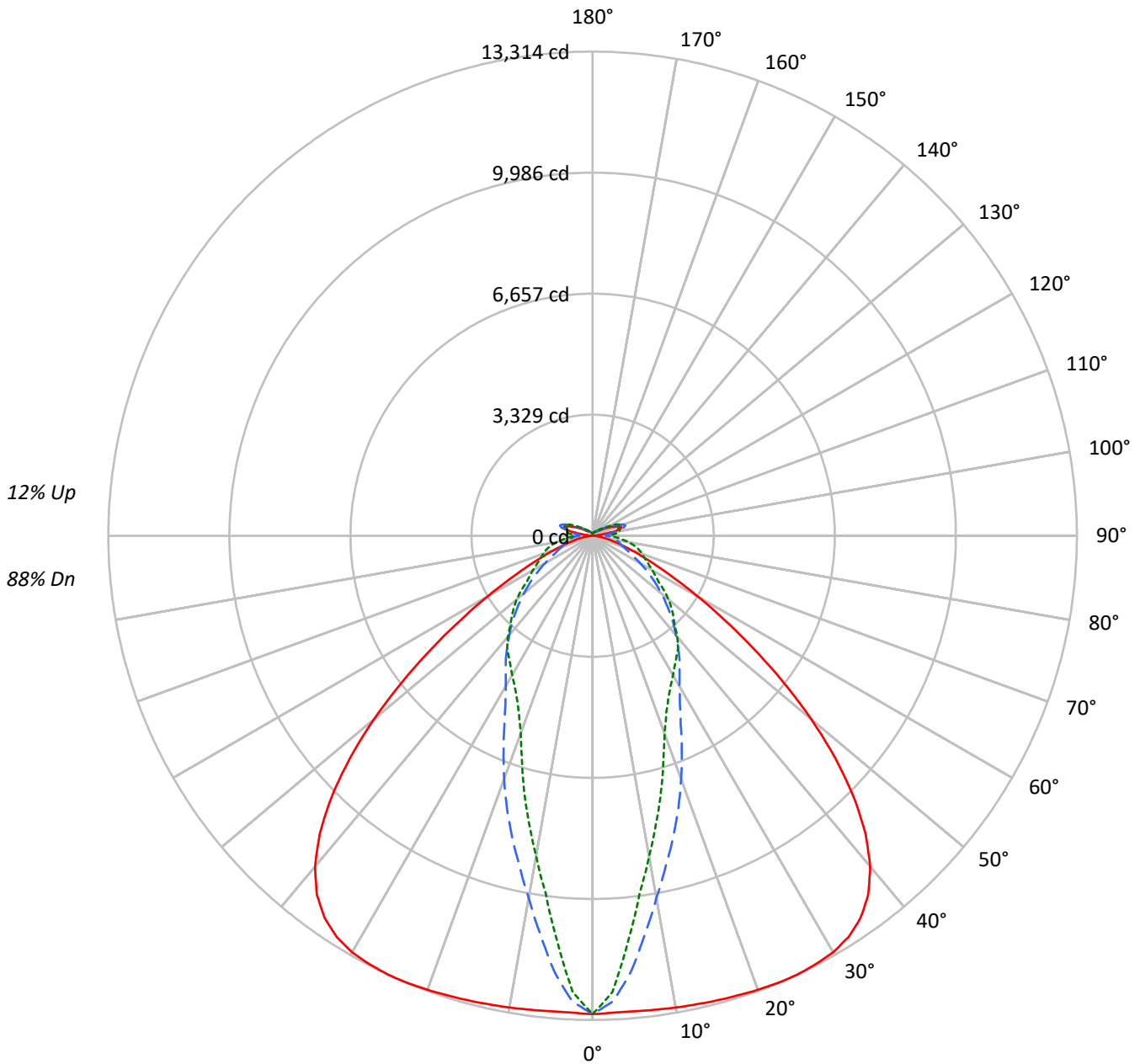
Lumens per Lamp: N/A
Luminaire Lumens: 21368.5 lumens
Efficiency: N/A
Efficacy: 142.1 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Semi-Direct

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									
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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	91	91	91	88																			
1	107	102	98	95	103	99	95	92	92	90	87	87	84	82	81	79	78	75																			
2	98	91	85	79	94	88	82	77	82	78	74	77	74	70	73	70	67	64																			
3	90	81	74	68	87	78	72	66	74	68	64	70	65	61	66	62	59	56																			
4	84	73	65	59	80	71	63	58	67	61	56	63	58	54	60	55	52	49																			
5	77	66	58	52	75	64	56	51	61	54	49	57	52	48	54	50	46	44																			
6	72	60	52	46	69	58	51	45	55	49	44	53	47	43	50	45	41	39																			
7	67	55	47	41	65	53	46	41	51	44	40	48	43	39	46	41	37	35																			
8	63	50	43	37	61	49	42	37	47	41	36	45	39	35	43	38	34	32																			
9	59	47	39	34	57	46	38	34	44	37	33	42	36	32	40	35	31	30																			
10	56	43	36	31	54	42	36	31	41	34	30	39	33	30	37	32	29	27																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20801	20801	20801
5°	20671	18951	17698
10°	20816	15971	14260
15°	21131	13665	11763
20°	21628	11560	9563
25°	22271	9573	8424
30°	22925	8251	7871
35°	23275	7524	7546
40°	22737	6801	7210
45°	20773	6150	6728
50°	17386	5438	6373
55°	13083	4768	5734
60°	9059	4094	5566
65°	5999	3531	5546
70°	4010	3320	5963
75°	2695	3434	6608
80°	1757	3822	7233
85°	916	4823	8624



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1107.2	5.2
10°-20°	2604.6	12.2
20°-30°	3264.8	15.3
30°-40°	3464.3	16.2
40°-50°	3132.3	14.7
50°-60°	2271.1	10.6
60°-70°	1425.3	6.7
70°-80°	943.2	4.4
80°-90°	548.3	2.6
90°-100°	450.7	2.1
100°-110°	832.3	3.9
110°-120°	670.3	3.1
120°-130°	322.0	1.5
130°-140°	158.9	0.7
140°-150°	91.3	0.4
150°-160°	51.2	0.2
160°-170°	23.5	0.1
170°-180°	7.1	0.0
0°-30°	6976.6	32.6
0°-40°	10441.0	48.9
0°-60°	15844.4	74.1
0°-90°	18761.2	87.8
90°-120°	1953.2	9.1
90°-150°	2525.5	11.8
90°-180°	2607.0	12.2
0°-180°	21368.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13153	13153	13153	13153	13153	
5°	13126	12790	12039	11480	11191	###
15°	13227	10781	8562	7615	7269	3751
25°	13314	8336	5733	5089	4927	6151
35°	12837	5542	4161	4031	4030	7980
45°	10148	3510	3016	3088	3141	7731
55°	5373	2176	1968	2134	2211	4854
65°	1922	1262	1139	1460	1622	2000
75°	593	680	765	1188	1259	661
85°	104	282	560	779	715	125
90°	4	145	362	507	516	10
95°	48	172	424	572	614	138
105°	821	857	890	761	729	779
115°	573	604	705	739	738	578
125°	288	308	365	383	379	269
135°	174	180	202	221	223	138
145°	132	137	142	152	152	84
155°	109	114	117	119	117	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°	13152.7	13152.7	13152.7	13152.7	13152.7
2.5°	13125.2	13050.1	12816.0	12673.3	12553.2
5°	13126.4	12789.7	12038.7	11480.4	11191.1
7.5°	13145.3	12396.7	11043.4	10228.5	9910.6
10°	13174.1	11909.7	10114.6	9245.9	8949.1
12.5°	13195.3	11361.4	9297.2	8404.6	8079.2
15°	13226.6	10780.6	8562.4	7614.7	7269.3
17.5°	13255.4	10233.5	7836.3	6846.2	6461.8
20°	13284.2	9643.9	7110.3	6090.1	5773.4
22.5°	13311.7	9021.8	6401.8	5503.0	5286.4
25°	13314.2	8335.8	5733.3	5088.6	4927.1
27.5°	13281.7	7624.8	5191.3	4741.8	4641.7
30°	13225.4	6935.0	4770.6	4491.5	4420.1
32.5°	13085.1	6231.5	4445.2	4249.9	4208.6
35°	12837.3	5541.8	4161.0	4030.8	4029.5
37.5°	12446.7	4929.6	3853.1	3830.5	3858.1
40°	11869.6	4393.9	3561.4	3621.5	3621.5
42.5°	11099.8	3928.2	3297.3	3358.6	3342.3
45°	10148.4	3510.1	3015.6	3088.2	3140.8
47.5°	9045.6	3142.1	2727.7	2867.9	2940.5
50°	7846.3	2791.5	2464.9	2643.8	2726.4
52.5°	6589.5	2467.3	2208.2	2413.5	2479.8
55°	5372.7	2175.6	1967.8	2134.3	2210.7
57.5°	4271.2	1897.7	1732.5	1890.2	2048.0
60°	3323.5	1658.6	1510.9	1736.2	1894.0
62.5°	2538.7	1445.9	1303.1	1592.3	1750.0
65°	1921.5	1261.8	1139.2	1459.6	1622.3
67.5°	1448.4	1102.8	1011.5	1363.3	1522.2
70°	1087.9	948.9	908.8	1303.1	1445.9
72.5°	803.6	807.4	827.4	1250.6	1359.5
75°	593.4	679.7	764.8	1187.9	1259.3
77.5°	424.4	563.3	708.5	1112.8	1137.9
80°	294.2	459.4	649.7	1014.0	992.7
82.5°	184.0	368.0	597.1	905.1	846.2
85°	103.9	281.6	559.5	778.6	714.8
87.5°	46.3	210.3	489.4	607.1	567.0
90°	4.0	145.2	362.2	507.0	516.4
92.5°	16.2	134.0	357.4	500.5	523.6
95°	47.9	172.3	424.5	572.4	614.2
97.5°	223.7	307.8	520.9	666.9	708.6
100°	453.7	538.8	629.0	735.9	755.7
102.5°	698.2	745.5	726.1	749.5	753.0
105°	820.8	856.9	890.1	761.2	729.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	665.7	705.4	806.4	829.1	809.5
115°	573.1	603.8	705.2	738.7	737.6
117.5°	493.6	513.1	605.3	635.8	637.8
120°	411.1	435.0	517.4	539.6	534.8
122.5°	347.3	367.0	434.4	454.0	448.0
125°	288.3	307.8	364.8	382.7	379.1
127.5°	244.9	257.9	307.3	325.7	323.7
130°	215.0	224.0	262.1	280.5	281.3
132.5°	191.2	199.3	227.5	248.2	247.4
135°	174.2	179.9	201.8	221.0	222.6
137.5°	160.5	166.6	181.5	200.2	200.2
140°	148.3	154.1	165.6	182.3	183.1
142.5°	139.0	143.6	151.8	166.0	166.0
145°	132.2	136.7	141.6	152.5	152.0
147.5°	125.0	130.7	133.5	141.5	140.2
150°	119.3	124.6	127.1	131.7	131.2
152.5°	113.7	119.0	121.4	124.7	123.5
155°	108.8	114.1	117.0	119.1	116.6
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°	824.0	868.6	944.5	835.9	746.0
110°	762.2	804.5	895.9	880.0	809.5



(END OF REPORT)