

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: P826384

Luminaire Tested: **OHB-24HE-A-UNV-L830-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826384
REPORT IS A COMBINATION OF REPORTS P826203 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: OHB-24HE-A-UNV-L830-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

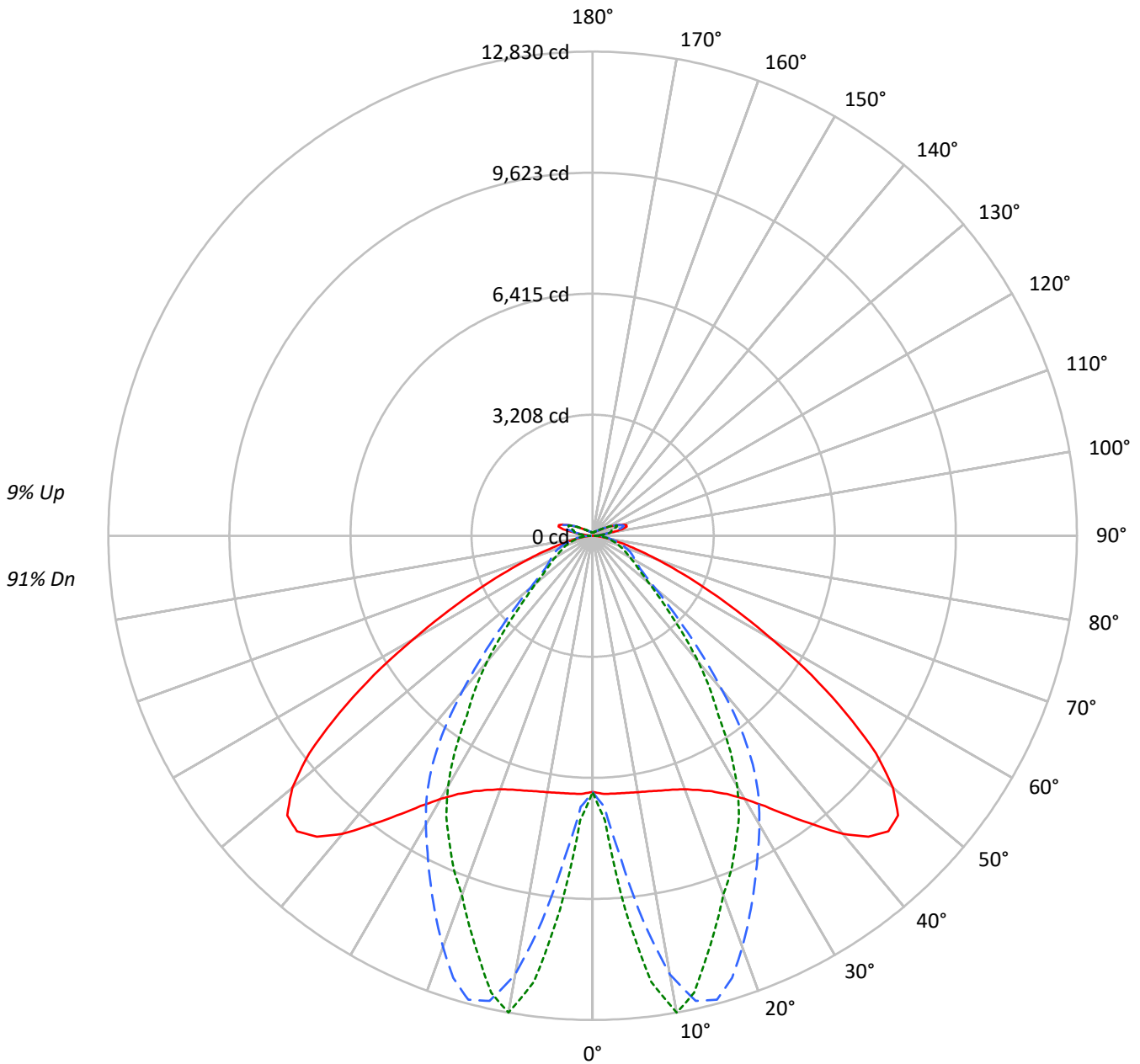
Lumens per Lamp: N/A
Luminaire Lumens: 24038.4 lumens
Efficiency: N/A
Efficacy: 163.1 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 147.4
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	99	99	99	93	93	93	91																			
1	108	104	101	98	105	101	98	95	95	93	90	90	88	86	85	83	82	79																			
2	100	93	87	83	97	91	85	81	86	81	78	81	78	75	77	74	72	69																			
3	93	84	77	71	89	81	75	70	77	72	67	73	69	65	70	66	63	61																			
4	86	75	68	62	83	73	66	61	70	64	59	67	62	58	64	59	56	54																			
5	80	68	60	55	77	67	59	54	64	57	52	61	55	51	58	54	50	48																			
6	74	62	54	49	72	61	53	48	58	52	47	56	50	46	53	49	45	43																			
7	69	57	49	44	67	56	48	43	53	47	42	51	46	41	49	44	40	38																			
8	64	52	45	39	63	51	44	39	49	43	38	47	42	37	46	41	37	35																			
9	60	48	41	36	59	47	40	35	46	39	35	44	38	34	42	37	34	32																			
10	57	45	37	33	55	44	37	32	42	36	32	41	35	31	39	34	31	29																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20999	20999	20999
5°	21120	26355	30670
10°	21322	36259	39692
15°	21844	39414	36293
20°	22762	36491	32309
25°	24440	32742	29433
30°	27272	29411	26058
35°	32087	25674	20666
40°	38617	19496	16360
45°	44341	13240	11574
50°	45005	9048	8500
55°	39010	7089	6886
60°	29189	6598	6130
65°	20051	6574	5727
70°	12858	6283	5443
75°	7765	5741	5061
80°	4600	4943	4978
85°	2243	4090	4163



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	886.3	3.7
10°-20°	3128.3	13.0
20°-30°	4609.7	19.2
30°-40°	4844.1	20.2
40°-50°	3706.6	15.4
50°-60°	2238.2	9.3
60°-70°	1365.8	5.7
70°-80°	745.5	3.1
80°-90°	267.4	1.1
90°-100°	215.8	0.9
100°-110°	749.0	3.1
110°-120°	642.5	2.7
120°-130°	308.2	1.3
130°-140°	154.2	0.6
140°-150°	89.4	0.4
150°-160°	52.1	0.2
160°-170°	27.0	0.1
170°-180°	8.2	0.0
0°-30°	8624.3	35.9
0°-40°	13468.4	56.0
0°-60°	19413.2	80.8
0°-90°	21791.9	90.7
90°-120°	1607.3	6.7
90°-150°	2159.2	9.0
90°-180°	2246.0	9.3
0°-180°	24038.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6789	6789	6789	6789	6789	
5°	6857	7357	8582	9583	9953	656
15°	6991	10888	12726	11875	11596	1988
25°	7470	12637	10160	9198	8971	3491
35°	9049	10120	7402	6164	5803	5740
45°	11076	5775	3410	3000	2874	8368
55°	8191	1958	1552	1438	1434	7238
65°	3284	1240	1142	977	927	3365
75°	874	771	707	584	560	1006
85°	130	239	282	257	233	161
90°	5	32	44	58	64	10
95°	49	103	160	212	240	153
105°	933	923	785	559	514	886
115°	644	650	650	649	643	649
125°	314	331	338	337	334	295
135°	186	190	196	198	200	147
145°	135	139	141	142	143	86
155°	108	110	112	113	113	51
165°	93	94	95	95	95	27
175°	84	85	85	86	86	8
180°	84	84	84	84	84	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6789.1	6789.1	6789.1	6789.1	6789.1
2.5°	6844.8	6914.7	7190.0	7475.9	7545.5
5°	6857.3	7356.9	8582.2	9582.9	9952.6
7.5°	6871.9	8073.3	10307.2	11532.3	11924.4
10°	6899.5	8979.3	11801.9	12681.3	12829.6
12.5°	6933.8	9939.2	12624.3	12592.3	12405.3
15°	6990.9	10888.5	12725.6	11874.9	11595.7
17.5°	7050.9	11691.8	12283.7	11094.1	10851.0
20°	7148.4	12288.1	11596.3	10400.1	10123.8
22.5°	7289.0	12615.8	10875.5	9772.4	9592.2
25°	7470.4	12637.1	10159.6	9198.0	8970.9
27.5°	7713.5	12343.9	9473.4	8635.2	8395.3
30°	8044.2	11782.6	8835.8	7956.6	7659.0
32.5°	8493.5	10974.8	8178.5	7137.4	6803.8
35°	9048.9	10120.0	7401.5	6163.8	5803.4
37.5°	9655.1	9170.9	6458.4	5301.7	5091.9
40°	10307.2	8193.0	5340.8	4495.0	4344.9
42.5°	10816.0	7129.8	4302.6	3735.5	3575.7
45°	11075.5	5774.6	3409.5	3000.1	2874.0
47.5°	10974.4	4482.6	2702.9	2383.8	2345.9
50°	10384.9	3309.9	2163.7	1963.7	1947.9
52.5°	9463.2	2467.0	1787.2	1663.6	1636.5
55°	8190.7	1958.2	1552.0	1438.5	1434.1
57.5°	6876.8	1663.6	1408.8	1320.8	1290.3
60°	5475.3	1483.3	1300.2	1200.9	1138.9
62.5°	4291.8	1357.2	1220.4	1085.6	1027.7
65°	3283.7	1239.6	1141.8	977.0	927.2
67.5°	2447.8	1127.6	1045.8	862.9	833.8
70°	1783.5	1012.5	936.2	767.4	744.4
72.5°	1271.0	897.8	826.8	677.7	652.4
75°	874.3	770.9	707.1	583.5	559.8
77.5°	589.8	641.3	589.2	498.1	488.3
80°	393.9	508.6	476.5	422.1	416.1
82.5°	239.1	369.2	376.1	343.3	326.6
85°	130.1	239.1	281.8	256.7	232.9
87.5°	50.9	132.4	194.2	174.4	164.2
90°	4.7	31.6	43.7	57.7	64.2
92.5°	15.8	41.9	67.0	94.9	107.0
95°	49.3	103.3	160.1	212.2	240.1
97.5°	250.3	270.8	291.3	352.7	383.4
100°	513.7	545.3	440.2	465.3	473.7
102.5°	793.8	789.1	575.1	515.5	508.1
105°	933.3	923.1	785.4	559.3	513.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	751.9	763.1	748.2	726.8	697.0
115°	643.9	650.5	650.5	648.6	643.0
117.5°	550.9	551.8	555.5	554.6	555.5
120°	456.0	466.2	474.6	469.9	464.3
122.5°	382.5	393.6	399.2	397.3	391.8
125°	314.5	331.3	337.8	336.9	334.1
127.5°	266.1	278.2	287.5	288.5	287.5
130°	231.7	239.2	248.5	249.4	250.3
132.5°	205.7	212.2	218.7	222.4	221.5
135°	186.1	189.8	196.3	198.2	200.1
137.5°	170.3	173.1	178.7	181.5	181.5
140°	156.3	160.1	164.7	166.6	167.5
142.5°	144.2	148.0	151.7	153.5	153.5
145°	134.9	138.7	141.4	142.4	143.3
147.5°	126.6	130.3	132.1	134.0	134.0
150°	120.0	121.9	124.7	125.6	126.6
152.5°	113.5	115.4	118.2	119.1	119.1
155°	107.9	109.8	111.7	112.6	112.6
157.5°	103.3	105.2	107.0	107.9	107.9
160°	99.6	100.5	102.4	103.3	103.3
162.5°	95.8	96.8	97.7	98.6	98.6
165°	93.1	94.0	94.9	94.9	94.9
167.5°	90.3	90.3	91.2	92.1	92.1
170°	87.5	88.4	88.4	89.3	89.3
172.5°	85.6	86.5	86.5	86.5	87.5
175°	83.8	84.7	84.7	85.6	85.6
177.5°	83.8	83.8	83.8	83.8	83.8
180°	83.8	83.8	83.8	83.8	83.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	937.1	940.8	868.2	678.4	564.8
110°	864.5	872.9	831.0	759.3	668.1



(END OF REPORT)