

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: P826564

Luminaire Tested: **OHBL-30HE-A-UNV-L830-CD-UPL30**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826564
REPORT IS A COMBINATION OF REPORTS P826275 AND G3-2310-221-4
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30HE-A-UNV-L830-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

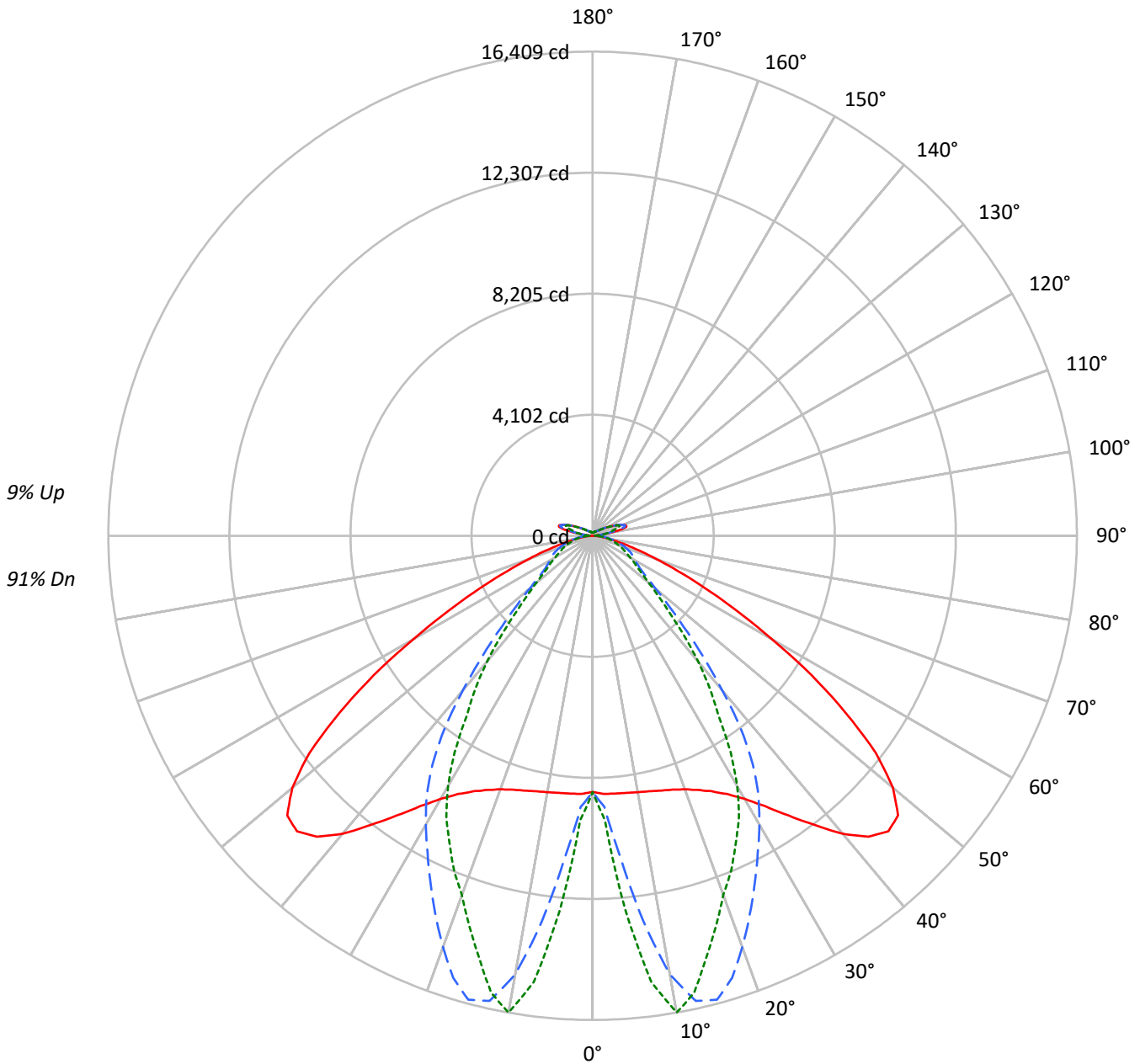
Lumens per Lamp: N/A
Luminaire Lumens: 30714.8 lumens
Efficiency: N/A
Efficacy: 164.3 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 187
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	94	94	94	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	68	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	53	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	39																			
8	65	52	45	39	63	51	44	39	49	43	38	47	42	38	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	38	33	55	44	37	32	42	36	32	41	35	31	39	34	31	29																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13733	13733	13733
5°	13811	17280	20130
10°	13943	23834	26147
15°	14285	25976	23999
20°	14885	24113	21447
25°	15982	21696	19618
30°	17835	19546	17445
35°	20984	17118	13901
40°	25253	13044	11063
45°	28997	8893	7874
50°	29431	6105	5824
55°	25510	4809	4758
60°	19088	4505	4281
65°	13112	4527	4055
70°	8408	4375	3927
75°	5078	4062	3757
80°	3008	3585	3877
85°	1468	3107	3594



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1133.6	3.7
10°-20°	4001.1	13.0
20°-30°	5895.8	19.2
30°-40°	6195.6	20.2
40°-50°	4740.8	15.4
50°-60°	2862.7	9.3
60°-70°	1746.9	5.7
70°-80°	953.5	3.1
80°-90°	340.7	1.1
90°-100°	220.3	0.7
100°-110°	995.9	3.2
110°-120°	819.9	2.7
120°-130°	386.9	1.3
130°-140°	195.0	0.6
140°-150°	114.0	0.4
150°-160°	66.8	0.2
160°-170°	34.7	0.1
170°-180°	10.6	0.0
0°-30°	11030.5	35.9
0°-40°	17226.1	56.1
0°-60°	24829.5	80.8
0°-90°	27870.6	90.7
90°-120°	2036.1	6.6
90°-150°	2732.1	8.9
90°-180°	2844.0	9.3
0°-180°	30714.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8683	8683	8683	8683	8683	
5°	8770	9409	10977	12256	12729	839
15°	8941	13926	16276	15188	14831	2542
25°	9555	16163	12994	11764	11474	4465
35°	11574	12944	9466	7884	7423	7342
45°	14166	7386	4361	3837	3676	10703
55°	10476	2504	1985	1840	1834	9257
65°	4200	1586	1460	1250	1186	4303
75°	1118	986	904	746	716	1287
85°	166	306	360	328	298	206
90°	6	38	50	57	57	13
95°	53	107	130	165	177	192
105°	1188	1198	1106	830	730	1122
115°	821	821	820	824	807	823
125°	404	416	427	416	410	377
135°	237	242	248	252	252	187
145°	173	176	180	182	182	110
155°	139	141	143	145	145	65
165°	119	120	121	123	123	34
175°	108	109	109	110	110	10
180°	107	107	107	107	107	



TEST NUMBER: P826564

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8683.4	8683.4	8683.4	8683.4	8683.4
2.5°	8754.5	8843.8	9196.1	9561.7	9650.7
5°	8770.5	9409.4	10976.7	12256.4	12729.3
7.5°	8789.1	10325.8	13182.9	14749.8	15251.3
10°	8824.5	11484.5	15094.5	16219.5	16409.0
12.5°	8868.4	12712.2	16146.5	16105.5	15866.4
15°	8941.4	13926.5	16276.1	15188.1	14830.9
17.5°	9018.1	14953.8	15710.8	14189.4	13878.5
20°	9142.8	15716.4	14831.7	13301.7	12948.3
22.5°	9322.7	16135.7	13909.8	12498.8	12268.4
25°	9554.7	16162.9	12994.1	11764.3	11473.8
27.5°	9865.6	15787.9	12116.5	11044.5	10737.7
30°	10288.6	15070.0	11301.0	10176.5	9796.0
32.5°	10863.1	14036.7	10460.3	9128.7	8702.0
35°	11573.6	12943.5	9466.4	7883.6	7422.6
37.5°	12348.8	11729.6	8260.4	6781.0	6512.5
40°	13182.9	10478.9	6830.8	5749.2	5557.1
42.5°	13833.8	9119.0	5503.0	4777.8	4573.3
45°	14165.6	7385.7	4360.7	3837.1	3675.9
47.5°	14036.3	5733.2	3456.9	3048.9	3000.5
50°	13282.3	4233.3	2767.4	2511.6	2491.5
52.5°	12103.5	3155.3	2285.9	2127.6	2093.0
55°	10475.9	2504.5	1985.1	1839.8	1834.2
57.5°	8795.4	2127.6	1801.8	1689.4	1650.2
60°	7002.9	1897.1	1662.9	1536.0	1456.7
62.5°	5489.3	1736.0	1560.9	1388.5	1314.4
65°	4199.8	1585.5	1460.4	1249.6	1186.0
67.5°	3130.8	1442.2	1337.5	1103.6	1066.4
70°	2281.1	1295.1	1197.5	981.6	952.1
72.5°	1625.7	1148.3	1057.5	866.8	834.4
75°	1118.2	986.0	904.5	746.2	716.1
77.5°	754.4	820.3	753.7	637.1	624.4
80°	503.8	650.6	609.5	539.9	532.1
82.5°	305.7	472.2	481.1	439.0	417.8
85°	166.5	305.7	360.4	328.4	297.9
87.5°	65.1	169.5	248.4	223.1	210.0
90°	6.5	38.2	50.2	56.8	56.8
92.5°	19.5	47.5	61.4	75.4	77.2
95°	53.0	107.0	130.3	164.7	176.8
97.5°	323.8	322.0	279.2	324.8	361.1
100°	639.3	675.6	503.4	511.8	516.5
102.5°	1008.7	1027.3	802.1	664.4	636.5
105°	1188.3	1197.6	1105.5	830.1	730.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	952.9	960.3	961.3	949.2	926.8
115°	820.8	820.8	819.8	823.5	806.8
117.5°	692.3	697.0	698.8	691.4	684.0
120°	582.5	590.9	589.0	583.5	576.0
122.5°	486.7	500.6	505.3	495.1	486.7
125°	403.9	416.0	427.1	416.0	410.4
127.5°	342.4	350.8	359.2	358.3	353.6
130°	295.0	302.4	311.7	313.6	312.7
132.5°	262.4	268.9	275.4	278.2	277.3
135°	237.3	241.9	247.5	252.2	252.2
137.5°	215.0	221.5	226.1	229.8	229.8
140°	199.1	203.8	208.4	210.3	211.2
142.5°	185.2	188.9	193.6	195.4	196.3
145°	173.1	175.9	180.5	182.4	182.4
147.5°	161.9	165.6	169.4	171.2	171.2
150°	153.5	156.3	160.1	161.0	161.9
152.5°	146.1	148.0	150.8	152.6	152.6
155°	138.7	141.4	143.3	145.2	145.2
157.5°	133.1	134.9	136.8	137.7	138.7
160°	128.4	129.3	131.2	132.1	133.1
162.5°	122.8	124.7	125.6	126.6	127.5
165°	119.1	120.0	121.0	122.8	122.8
167.5°	115.4	116.3	117.2	118.2	118.2
170°	112.6	113.5	114.5	114.5	114.5
172.5°	109.8	110.7	111.7	111.7	111.7
175°	107.9	108.9	108.9	109.8	109.8
177.5°	107.0	107.9	107.9	107.9	108.9
180°	107.0	107.0	107.0	107.0	107.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1187.4	1204.1	1160.4	1016.2	885.9
110°	1088.8	1108.3	1085.0	1037.6	972.4



(END OF REPORT)