

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: P826572

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826572
REPORT IS A COMBINATION OF REPORTS P826279 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-NL-UNV-L830-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

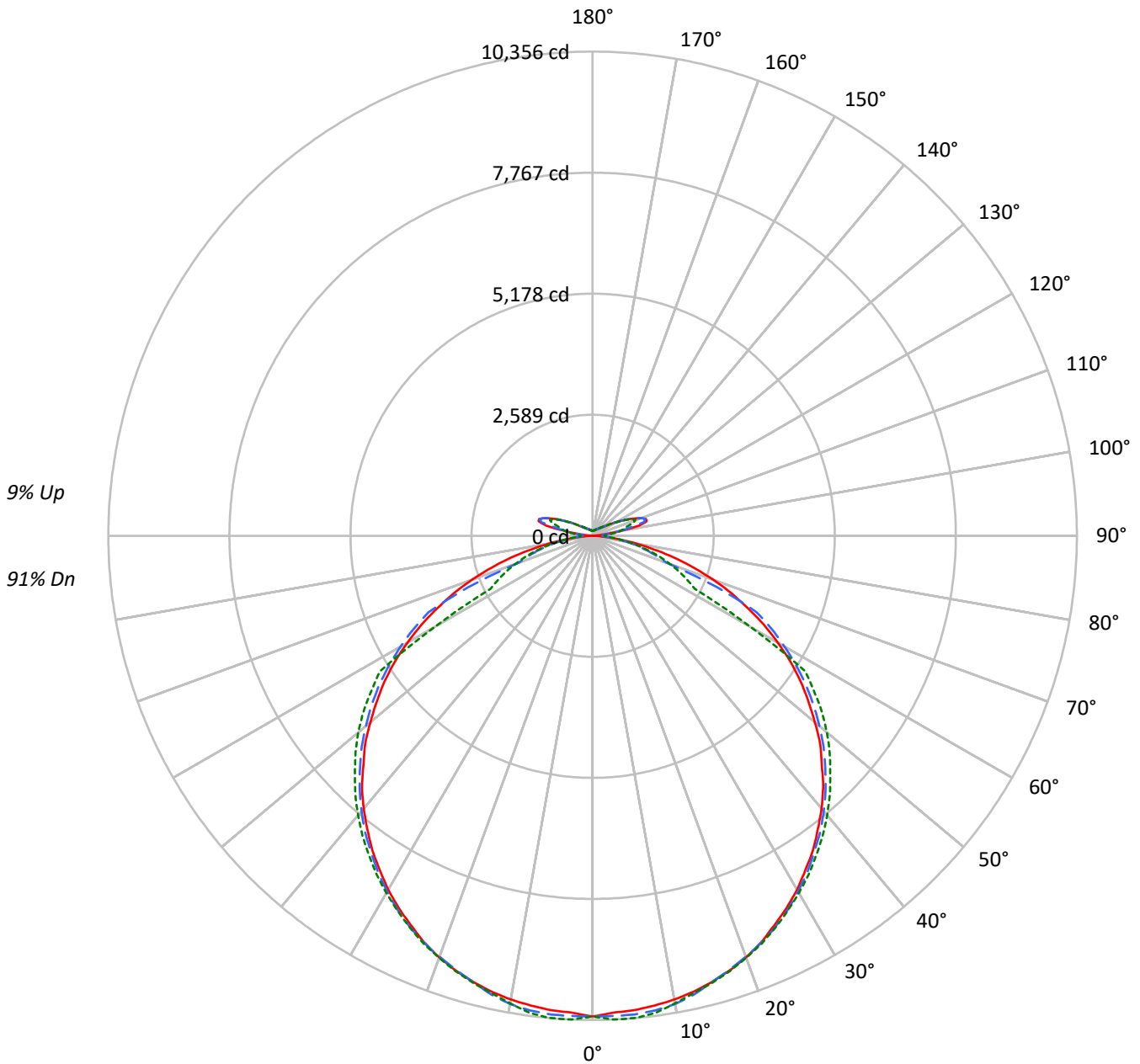
Lumens per Lamp: N/A
Luminaire Lumens: 31715.1 lumens
Efficiency: N/A
Efficacy: 169.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.1')
CIE Type: Direct

Input Watts (W): 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	93	93	93	91																			
1	107	103	99	95	103	99	96	92	93	91	88	88	86	83	83	81	79	77																			
2	98	90	83	78	94	87	81	76	82	77	73	77	73	70	73	70	67	64																			
3	89	79	71	65	86	77	69	64	72	66	61	68	63	59	65	61	57	54																			
4	82	70	61	55	79	68	60	54	64	58	52	61	55	51	58	53	49	47																			
5	75	62	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	49	43	38	47	42	37	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	41	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	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16259	16259	16259
5°	16091	16233	16400
10°	16017	16162	16231
15°	15934	15921	16089
20°	15829	15791	16010
25°	15633	15696	15936
30°	15468	15527	15867
35°	15267	15326	15805
40°	15023	15136	15758
45°	14681	14869	15660
50°	14316	14568	15598
55°	13871	14185	15333
60°	13200	13616	11845
65°	12233	12884	7890
70°	10985	6634	7543
75°	9148	6008	7032
80°	6459	5045	6158
85°	2622	4075	5328



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	976.7	3.1
10°-20°	2796.6	8.8
20°-30°	4255.3	13.4
30°-40°	5173.9	16.3
40°-50°	5440.1	17.2
50°-60°	4967.5	15.7
60°-70°	3184.4	10.0
70°-80°	1504.2	4.7
80°-90°	423.2	1.3
90°-100°	330.7	1.0
100°-110°	1026.1	3.2
110°-120°	828.3	2.6
120°-130°	386.9	1.2
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
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0°-30°	8028.7	25.3
0°-40°	13202.5	41.6
0°-60°	23610.1	74.4
0°-90°	28721.8	90.6
90°-120°	2185.1	6.9
90°-150°	2881.1	9.1
90°-180°	2993.0	9.4
0°-180°	31715.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10281	10281	10281	10281	10281	
5°	10185	10225	10277	10333	10355	969
15°	9877	9951	9875	9889	9897	2788
25°	9191	9206	9238	9253	9245	4241
35°	8215	8167	8260	8362	8338	5134
45°	6929	6916	7034	7200	7187	5356
55°	5430	5388	5571	5756	5771	4843
65°	3658	3658	3871	2221	2228	3627
75°	1808	1842	1196	1259	1264	1905
85°	236	300	373	404	382	349
90°	6	139	216	253	250	15
95°	58	159	250	325	337	195
105°	1197	1217	1134	859	758	1131
115°	830	833	838	836	808	829
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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10281.0	10281.0	10281.0	10281.0	10281.0
2.5°	10208.8	10243.1	10281.0	10329.6	10356.5
5°	10185.2	10224.9	10277.3	10333.3	10354.8
7.5°	10134.9	10190.6	10241.2	10281.0	10293.5
10°	10071.6	10138.5	10167.2	10163.6	10154.7
12.5°	9986.8	10057.3	10048.3	10006.6	10013.9
15°	9876.8	9950.7	9875.1	9889.4	9896.6
17.5°	9746.9	9819.1	9730.7	9759.5	9761.4
20°	9595.4	9649.5	9580.9	9604.4	9604.4
22.5°	9413.2	9451.1	9422.2	9438.4	9442.1
25°	9191.3	9205.6	9238.1	9252.6	9245.3
27.5°	8978.6	8960.4	9023.6	9057.8	9039.7
30°	8742.1	8713.3	8787.1	8843.2	8821.6
32.5°	8471.5	8453.5	8538.3	8604.9	8592.4
35°	8215.3	8166.6	8260.4	8361.5	8338.0
37.5°	7912.2	7883.4	7989.8	8096.4	8083.7
40°	7616.4	7567.6	7688.6	7814.8	7802.2
42.5°	7299.0	7241.1	7372.9	7524.6	7510.0
45°	6929.0	6916.4	7033.7	7199.6	7187.1
47.5°	6600.9	6537.7	6701.8	6862.4	6876.9
50°	6203.8	6180.6	6330.3	6525.1	6539.4
52.5°	5816.1	5799.9	5956.7	6153.4	6178.6
55°	5429.9	5388.5	5570.7	5756.5	5771.0
57.5°	5017.0	4973.6	5159.5	5361.6	5392.1
60°	4574.8	4533.4	4737.2	4925.0	3916.5
62.5°	4132.9	4104.0	4317.0	3057.8	2464.4
65°	3658.5	3658.5	3871.2	2220.7	2227.9
67.5°	3214.8	3185.9	2886.5	1995.1	1995.1
70°	2738.4	2749.3	1663.2	1748.1	1749.9
72.5°	2260.4	2300.1	1436.0	1504.4	1508.1
75°	1807.5	1841.9	1196.0	1259.2	1264.5
77.5°	1327.8	1021.0	961.4	1010.3	1012.1
80°	932.6	644.0	736.1	782.9	777.6
82.5°	544.7	450.9	539.4	573.8	571.8
85°	236.3	299.5	373.4	404.1	382.4
87.5°	75.7	185.8	232.6	250.8	248.8
90°	6.5	139.2	216.3	253.3	249.9
92.5°	19.5	126.7	205.8	255.9	259.4
95°	58.3	159.3	249.5	325.3	337.4
97.5°	327.5	359.8	363.9	451.0	491.0
100°	642.9	706.1	559.4	602.0	608.5
102.5°	1017.7	1052.6	836.3	722.1	696.1
105°	1197.3	1217.4	1134.3	858.9	757.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	963.8	974.8	981.1	963.7	928.5
115°	829.7	833.3	837.8	836.1	808.5
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°	1196.3	1222.1	1185.6	1032.4	891.2
110°	1099.6	1124.5	1106.6	1052.1	974.1



(END OF REPORT)