

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: P826566

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826566
REPORT IS A COMBINATION OF REPORTS P826276 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-MCL-UNV-L830-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

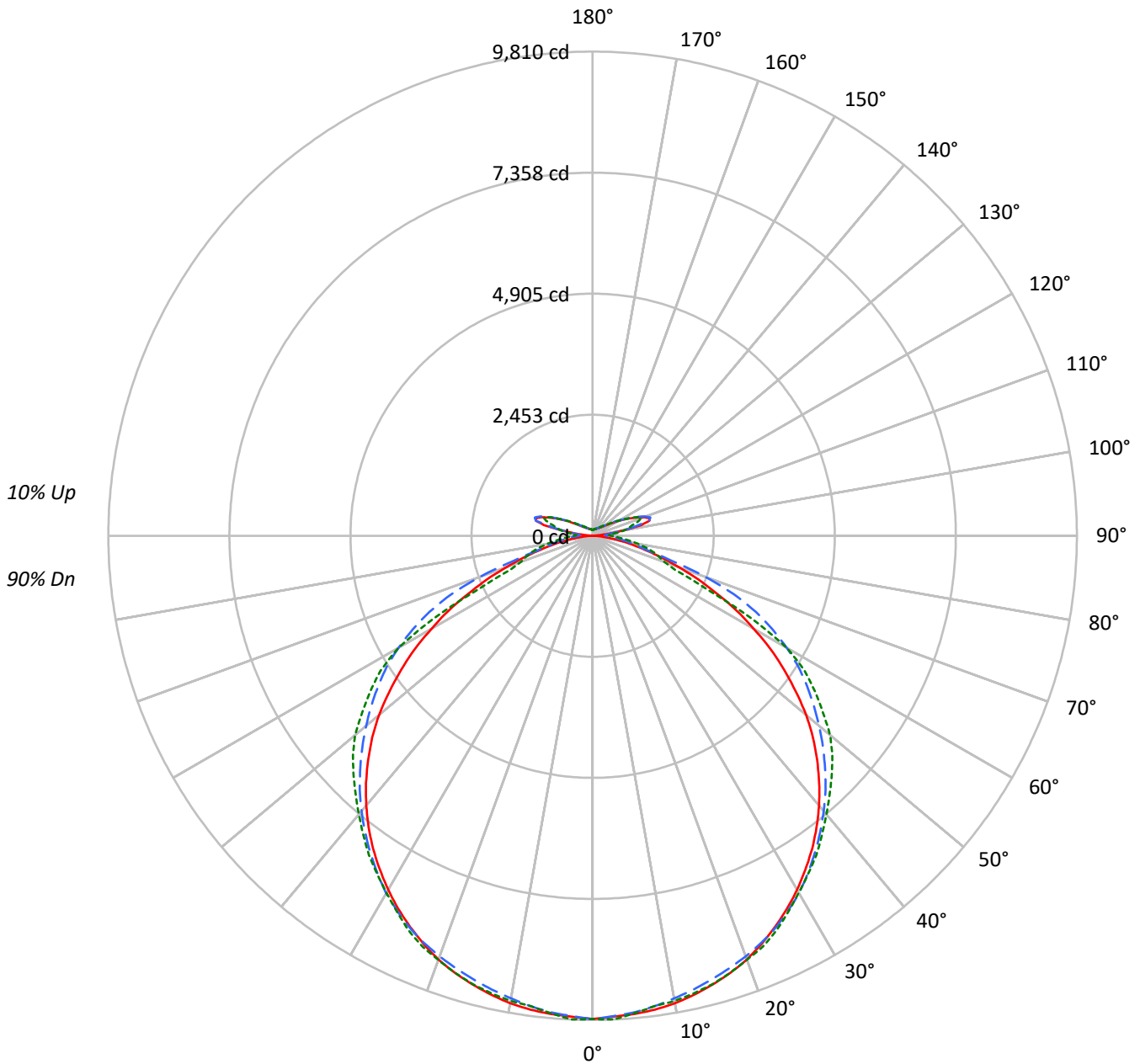
Lumens per Lamp: N/A
Luminaire Lumens: 30523.1 lumens
Efficiency: N/A
Efficacy: 163.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Semi-Direct

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	105	105	105	99	99	99	93	93	93	90																			
1	107	102	98	94	103	99	95	92	93	90	87	87	85	83	82	80	78	76																			
2	97	89	83	77	94	87	81	76	81	77	72	77	73	69	72	69	66	63																			
3	89	79	71	64	85	76	69	63	72	66	61	68	63	58	64	60	56	54																			
4	81	70	61	55	78	68	60	54	64	57	52	60	55	50	57	52	48	46																			
5	75	62	53	47	72	60	52	46	57	50	45	54	48	43	51	46	42	40																			
6	69	56	47	41	66	54	46	40	52	44	39	49	43	38	46	41	37	35																			
7	64	51	42	36	61	49	41	36	47	40	35	45	38	34	42	37	33	31																			
8	59	46	38	32	57	45	37	32	43	36	31	41	35	30	39	33	29	27																			
9	55	42	34	29	53	41	34	28	39	32	28	38	31	27	36	30	26	24																			
10	52	39	31	26	50	38	31	26	36	30	25	35	29	25	33	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15484	15484	15484
5°	15318	15259	15356
10°	15197	15028	15249
15°	15036	14855	15213
20°	14873	14746	15146
25°	14625	14636	15082
30°	14358	14463	14871
35°	14050	14189	14794
40°	13668	13906	14667
45°	13165	13578	14671
50°	12510	13205	14673
55°	11524	12838	14262
60°	10268	12300	13345
65°	8671	11304	8591
70°	6836	8824	6364
75°	4962	5238	6670
80°	3271	4355	6725
85°	1660	3991	7072



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	923.2	3.0
10°-20°	2647.2	8.7
20°-30°	4043.1	13.2
30°-40°	4905.7	16.1
40°-50°	5141.7	16.8
50°-60°	4659.1	15.3
60°-70°	3123.7	10.2
70°-80°	1402.7	4.6
80°-90°	515.1	1.7
90°-100°	373.5	1.2
100°-110°	1068.2	3.5
110°-120°	856.2	2.8
120°-130°	406.9	1.3
130°-140°	208.8	0.7
140°-150°	123.3	0.4
150°-160°	73.7	0.2
160°-170°	39.1	0.1
170°-180°	12.0	0.0
0°-30°	7613.5	24.9
0°-40°	12519.2	41.0
0°-60°	22320.0	73.1
0°-90°	27361.5	89.6
90°-120°	2297.8	7.5
90°-150°	3036.8	9.9
90°-180°	3162.0	10.4
0°-180°	30523.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9791	9791	9791	9791	9791	
5°	9727	9761	9693	9723	9710	925
15°	9411	9374	9308	9390	9401	2657
25°	8743	8705	8766	8846	8821	4030
35°	7749	7768	7847	7930	7899	4844
45°	6431	6536	6658	6828	6849	4954
55°	4732	4960	5299	5511	5498	4224
65°	2778	3212	3647	3078	2513	2768
75°	1093	1586	1166	1193	1271	1194
85°	188	361	463	559	586	230
90°	8	158	290	357	371	16
95°	54	182	294	364	382	194
105°	1194	1230	1186	928	832	1129
115°	832	838	861	876	862	833
125°	414	427	453	446	442	387
135°	250	256	263	275	276	197
145°	186	190	195	198	199	118
155°	153	157	159	161	159	72
165°	135	136	136	138	138	38
175°	124	124	123	123	123	12
180°	121	121	121	121	121	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9790.7	9790.7	9790.7	9790.7	9790.7
2.5°	9751.0	9792.1	9741.1	9796.3	9810.5
5°	9727.0	9761.0	9693.0	9722.7	9710.0
7.5°	9683.1	9694.4	9613.8	9637.8	9612.3
10°	9617.9	9612.3	9517.4	9564.2	9569.8
12.5°	9521.7	9504.7	9419.7	9490.6	9491.9
15°	9411.3	9374.5	9308.0	9390.0	9401.4
17.5°	9283.9	9235.8	9191.8	9298.0	9281.1
20°	9135.3	9078.6	9070.1	9186.2	9143.7
22.5°	8951.2	8907.3	8927.1	9037.6	9010.7
25°	8743.1	8704.9	8765.7	8846.4	8820.9
27.5°	8523.7	8501.0	8570.4	8632.7	8583.2
30°	8283.0	8270.3	8362.3	8413.2	8351.0
32.5°	8021.1	8025.4	8113.1	8182.5	8124.5
35°	7749.3	7767.7	7847.0	7930.5	7899.4
37.5°	7450.6	7491.6	7570.9	7665.8	7633.3
40°	7134.9	7194.4	7282.2	7396.8	7367.1
42.5°	6793.7	6868.8	6982.1	7109.4	7106.6
45°	6431.3	6536.1	6657.8	6827.7	6849.0
47.5°	6054.8	6172.3	6326.6	6553.1	6585.6
50°	5645.7	5792.9	5985.4	6257.2	6277.1
52.5°	5189.8	5390.8	5645.7	5906.1	5882.0
55°	4732.5	4960.4	5298.8	5511.1	5498.4
57.5°	4276.7	4532.9	4943.5	5095.0	5093.5
60°	3767.1	4091.3	4540.0	4654.6	4541.4
62.5°	3295.7	3643.9	4109.6	4026.1	3638.2
65°	2777.5	3212.1	3646.8	3077.6	2512.8
67.5°	2317.5	2770.4	3097.4	2107.9	1805.0
70°	1854.5	2354.2	2415.1	1564.3	1543.0
72.5°	1443.9	1976.2	1666.3	1339.3	1407.2
75°	1092.8	1585.6	1166.5	1193.4	1271.2
77.5°	797.0	1217.4	907.5	1046.1	1109.9
80°	547.8	862.2	740.4	879.1	923.0
82.5°	344.0	569.1	593.1	707.9	753.1
85°	188.3	361.0	463.0	559.2	586.1
87.5°	77.9	218.0	353.9	431.8	454.4
90°	7.9	158.5	289.5	356.9	371.0
92.5°	20.9	139.5	256.7	317.4	329.2
95°	54.4	182.0	294.5	364.3	382.1
97.5°	326.6	381.4	416.5	490.4	532.4
100°	643.6	725.1	618.1	650.6	659.5
102.5°	1014.4	1067.0	898.4	780.5	756.8
105°	1194.0	1230.2	1186.2	927.8	832.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	962.8	980.2	1009.4	1010.0	990.6
115°	832.1	837.8	860.9	875.9	862.0
117.5°	703.7	711.1	734.2	735.3	730.7
120°	593.9	603.7	620.2	621.7	615.7
122.5°	498.0	512.0	532.2	529.0	522.0
125°	413.7	427.3	452.6	445.6	441.5
127.5°	353.8	362.2	381.8	385.2	381.9
130°	306.3	315.2	331.6	339.1	338.2
132.5°	275.2	283.1	293.9	302.3	301.4
135°	250.0	256.1	263.1	274.8	276.3
137.5°	229.1	235.6	240.3	251.1	252.5
140°	213.3	217.9	221.2	228.7	231.1
142.5°	197.9	203.0	206.3	212.4	214.8
145°	185.8	190.0	194.7	197.9	199.4
147.5°	176.1	179.8	183.5	185.4	186.8
150°	167.7	170.5	174.2	175.1	176.1
152.5°	160.2	162.1	164.9	166.8	166.8
155°	152.8	157.0	158.8	160.7	159.3
157.5°	147.2	150.5	152.3	153.3	154.2
160°	142.6	144.9	146.7	147.7	148.6
162.5°	138.4	140.2	141.2	142.1	143.0
165°	134.7	135.6	136.5	138.4	138.4
167.5°	130.9	133.3	132.8	133.7	133.7
170°	128.1	129.1	130.0	128.6	128.6
172.5°	125.3	126.3	127.2	125.8	125.8
175°	123.5	124.4	123.0	122.6	122.6
177.5°	124.0	123.5	122.1	120.7	120.2
180°	121.2	121.2	121.2	121.2	121.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1194.5	1231.0	1229.7	1099.7	972.2
110°	1097.2	1130.9	1143.1	1108.4	1046.0



(END OF REPORT)