

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: P826568

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826568
REPORT IS A COMBINATION OF REPORTS P826277 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-MFL-UNV-L830-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

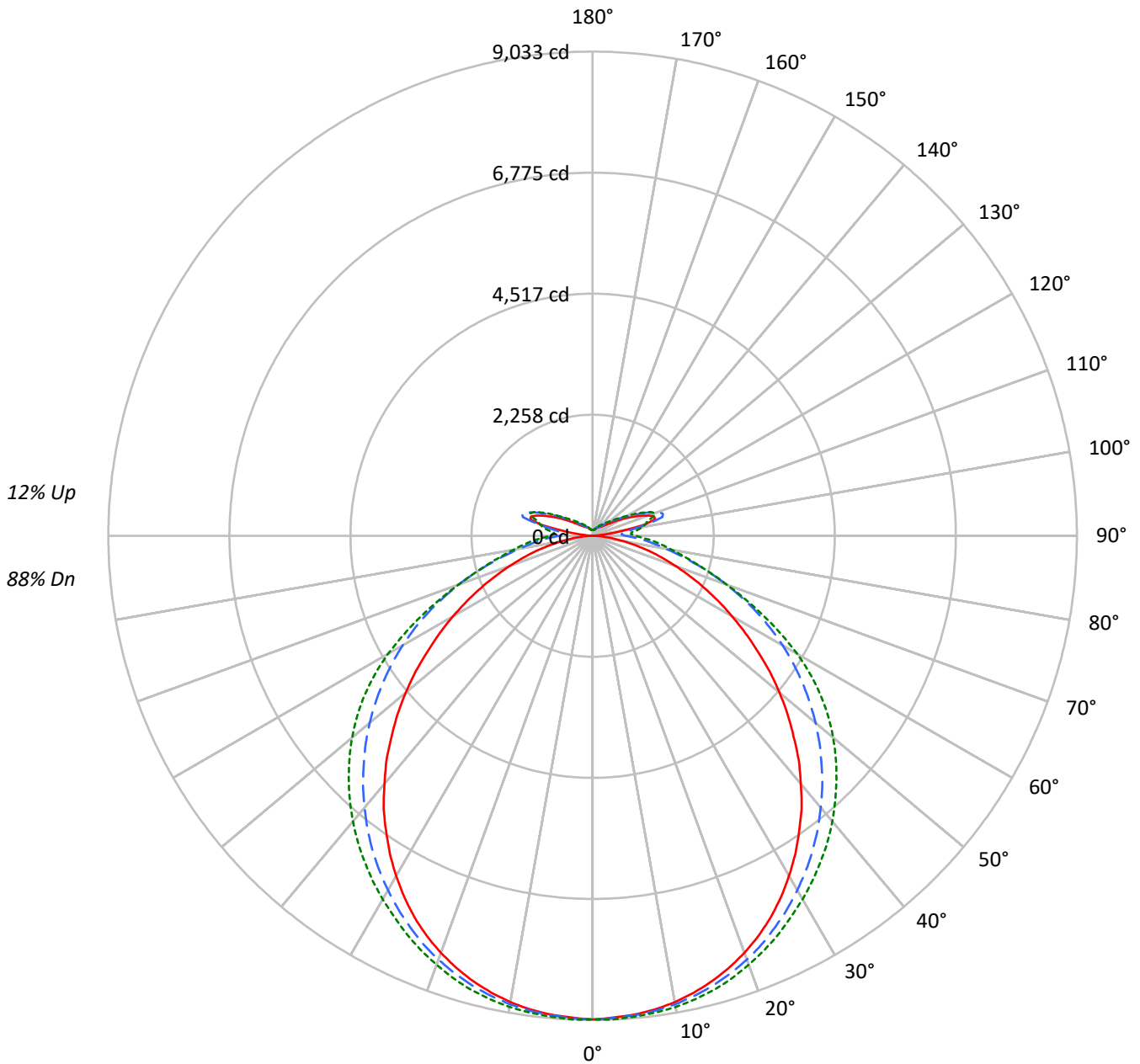
Lumens per Lamp: N/A
Luminaire Lumens: 29856.8 lumens
Efficiency: N/A
Efficacy: 159.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Semi-Direct

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

TEST NUMBER: P826568

CATALOG NUMBER: OHBL-30HE-MFL-UNV-L830-CD-UPL30

Luminous Intensity Polar Plot





TEST NUMBER: P826568

CATALOG NUMBER: OHBL-30HE-MFL-UNV-L830-CD-UPL30

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	105	100	96	92	101	97	93	89	90	87	84	84	82	79	79	77	75	72																			
2	96	87	80	75	92	84	78	73	79	74	69	74	70	66	69	66	63	60																			
3	87	77	68	62	84	74	67	61	69	63	58	65	60	55	61	57	53	50																			
4	80	68	59	52	77	66	58	51	62	55	49	58	52	47	54	49	45	43																			
5	73	61	52	45	70	59	50	44	55	48	43	52	46	41	49	44	39	37																			
6	68	54	46	39	65	53	45	39	50	43	37	47	41	36	44	39	35	32																			
7	63	49	41	35	60	48	40	34	45	38	33	43	36	32	40	35	31	29																			
8	58	45	36	31	56	44	36	30	41	34	29	39	33	28	37	32	28	25																			
9	54	41	33	28	52	40	32	27	38	31	26	36	30	26	34	29	25	23																			
10	51	38	30	25	49	37	30	25	35	28	24	33	27	23	32	26	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14271	14271	14271
5°	14120	14136	14239
10°	13961	14011	14224
15°	13746	13862	14187
20°	13480	13680	14106
25°	13144	13452	14024
30°	12702	13205	13946
35°	12180	12943	13893
40°	11566	12639	13849
45°	10854	12309	13781
50°	10080	11976	13690
55°	9148	11568	13479
60°	8193	11087	12947
65°	7157	10473	11990
70°	6040	9691	10967
75°	4904	8786	10429
80°	3521	8133	10925
85°	1986	8453	13697



TEST NUMBER: P826568

CATALOG NUMBER: OHBL-30HE-MFL-UNV-L830-CD-UPL30

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	855.0	2.9
10°-20°	2453.0	8.2
20°-30°	3709.8	12.4
30°-40°	4453.6	14.9
40°-50°	4599.8	15.4
50°-60°	4138.4	13.9
60°-70°	3117.4	10.4
70°-80°	1882.4	6.3
80°-90°	926.7	3.1
90°-100°	607.8	2.0
100°-110°	1217.1	4.1
110°-120°	949.8	3.2
120°-130°	460.3	1.5
130°-140°	233.7	0.8
140°-150°	132.8	0.4
150°-160°	73.8	0.2
160°-170°	34.7	0.1
170°-180°	10.6	0.0
0°-30°	7017.8	23.5
0°-40°	11471.4	38.4
0°-60°	20209.7	67.7
0°-90°	26136.2	87.5
90°-120°	2774.7	9.3
90°-150°	3601.6	12.1
90°-180°	3721.0	12.5
0°-180°	29856.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9024	9024	9024	9024	9024	
5°	8966	8991	8980	9015	9004	852
15°	8604	8646	8686	8759	8768	2426
25°	7858	7944	8056	8182	8202	3614
35°	6718	6875	7158	7374	7418	4200
45°	5302	5570	6036	6365	6433	4094
55°	3757	4145	4775	5135	5196	3368
65°	2292	2761	3379	3547	3507	2278
75°	1080	1550	1957	2008	1988	1152
85°	225	594	980	1115	1135	260
90°	6	270	611	763	792	19
95°	64	264	550	699	731	201
105°	1204	1288	1348	1148	1062	1138
115°	838	872	970	1024	1017	841
125°	422	440	518	546	547	393
135°	253	262	294	332	340	199
145°	195	196	203	222	229	123
155°	161	166	165	165	167	72
165°	119	120	121	123	123	34
175°	108	109	109	110	110	10
180°	107	107	107	107	107	



TEST NUMBER: P826568

CATALOG NUMBER: OHBL-30HE-MFL-UNV-L830-CD-UPL30

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9023.8	9023.8	9023.8	9023.8	9023.8
2.5°	8997.3	9019.3	9006.1	9034.8	9032.6
5°	8966.4	8990.7	8979.6	9014.9	9003.9
7.5°	8913.3	8939.8	8937.6	8977.3	8973.0
10°	8836.0	8864.8	8873.6	8926.5	8926.5
12.5°	8730.0	8767.6	8789.7	8853.7	8855.9
15°	8604.2	8646.1	8685.9	8758.8	8767.6
17.5°	8451.8	8504.8	8560.0	8643.9	8654.9
20°	8279.5	8339.2	8414.3	8502.6	8515.8
22.5°	8080.8	8151.4	8248.6	8352.4	8367.8
25°	7857.7	7943.8	8056.5	8182.4	8202.2
27.5°	7603.8	7703.1	7855.5	7996.8	8014.5
30°	7327.7	7444.7	7634.6	7802.5	7831.2
32.5°	7036.1	7170.9	7405.0	7592.7	7632.4
35°	6718.1	6874.9	7157.6	7374.0	7418.2
37.5°	6404.5	6576.8	6897.0	7144.3	7197.4
40°	6037.9	6252.1	6618.8	6892.6	6956.6
42.5°	5693.4	5925.3	6340.5	6638.6	6700.5
45°	5302.5	5569.7	6035.7	6364.8	6433.2
47.5°	4935.9	5225.3	5742.0	6082.1	6152.7
50°	4549.4	4867.5	5428.4	5784.0	5856.8
52.5°	4162.9	4505.3	5103.7	5472.6	5541.0
55°	3756.6	4145.3	4774.7	5134.6	5196.5
57.5°	3378.9	3789.7	4436.8	4779.1	4816.6
60°	3005.7	3432.0	4092.3	4392.6	4405.9
62.5°	2641.3	3089.6	3738.9	3977.5	3959.8
65°	2292.4	2760.6	3378.9	3546.8	3507.0
67.5°	1956.7	2440.4	3010.2	3118.4	3065.3
70°	1638.7	2128.9	2652.4	2707.5	2659.0
72.5°	1358.2	1833.0	2290.2	2336.5	2301.2
75°	1079.9	1550.3	1956.7	2007.5	1987.6
77.5°	819.4	1276.4	1649.7	1715.9	1720.4
80°	589.7	1027.0	1382.5	1486.3	1499.5
82.5°	388.7	797.2	1159.5	1292.0	1311.8
85°	225.3	594.1	980.5	1115.3	1135.2
87.5°	97.2	428.4	788.5	909.9	934.2
90°	6.5	270.0	611.2	763.4	792.2
92.5°	26.1	239.6	542.9	689.4	715.5
95°	64.1	263.8	549.9	699.1	731.1
97.5°	337.0	454.5	643.6	790.8	846.9
100°	652.5	790.4	819.3	920.4	942.7
102.5°	1021.9	1129.0	1078.2	1022.2	1009.7
105°	1203.8	1288.2	1348.5	1148.1	1061.8



TEST NUMBER: P826568

CATALOG NUMBER: OHBL-30HE-MFL-UNV-L830-CD-UPL30

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	970.6	1020.0	1129.1	1174.5	1161.0
115°	838.4	871.6	970.0	1024.5	1016.6
117.5°	712.2	741.2	831.4	872.5	871.7
120°	602.4	628.4	706.1	744.6	746.0
122.5°	506.6	531.5	609.0	640.8	639.1
125°	421.5	440.2	517.7	546.2	547.3
127.5°	357.9	370.7	436.5	475.3	477.3
130°	310.4	320.1	378.0	417.4	423.1
132.5°	277.9	288.8	330.6	368.8	376.7
135°	252.7	261.9	293.9	331.6	340.5
137.5°	230.4	241.4	263.6	298.3	307.2
140°	216.8	223.7	239.3	267.7	277.5
142.5°	205.1	208.8	217.8	244.0	251.5
145°	195.1	195.8	202.6	222.1	228.7
147.5°	184.0	187.7	191.4	202.1	208.7
150°	175.6	180.6	182.1	185.3	192.8
152.5°	168.2	172.2	172.8	172.5	176.9
155°	160.7	165.7	165.4	165.1	167.2
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°	1202.8	1283.6	1374.6	1298.9	1179.6
110°	1104.2	1178.9	1275.0	1289.4	1235.2



(END OF REPORT)