

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: P828668

Luminaire Tested: **OHBL-30HE-MFL-UNV-L950-CD-UPL30**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828668
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-L950-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

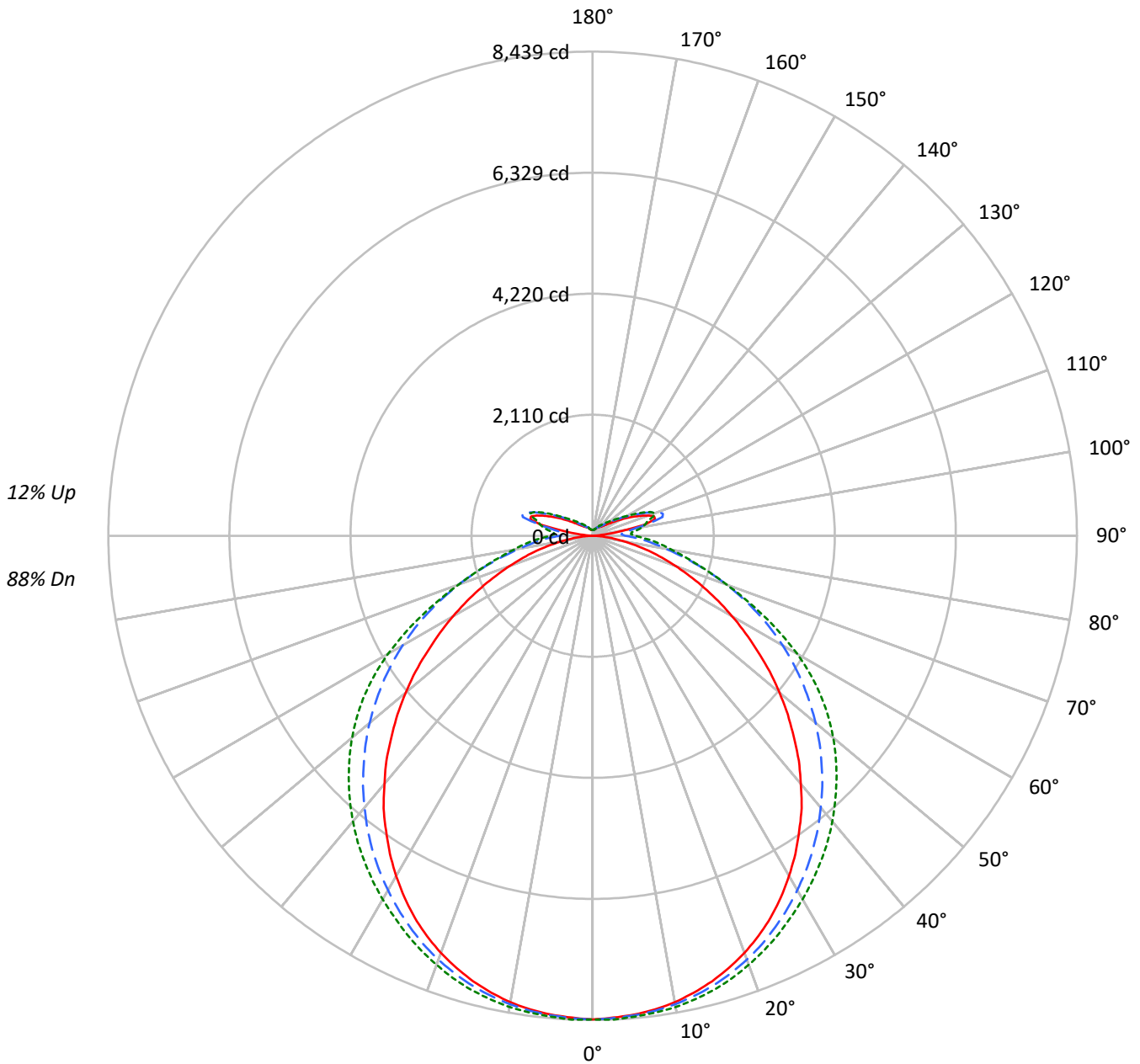
Lumens per Lamp: N/A
Luminaire Lumens: 27896.1 lumens
Efficiency: N/A
Efficacy: 149.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Semi-Direct

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: P828668

CATALOG NUMBER: OHBL-30HE-MFL-UNV-L950-CD-UPL30

Luminous Intensity Polar Plot





TEST NUMBER: P828668

CATALOG NUMBER: OHBL-30HE-MFL-UNV-L950-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°	13334	13334	13334
5°	13193	13207	13304
10°	13045	13091	13290
15°	12843	12952	13256
20°	12595	12781	13179
25°	12281	12569	13103
30°	11868	12338	13030
35°	11381	12093	12980
40°	10807	11809	12940
45°	10141	11501	12876
50°	9418	11190	12791
55°	8547	10808	12594
60°	7655	10359	12097
65°	6687	9785	11203
70°	5644	9054	10247
75°	4582	8209	9744
80°	3290	7599	10207
85°	1855	7898	12797



TEST NUMBER: P828668

CATALOG NUMBER: OHBL-30HE-MFL-UNV-L950-CD-UPL30

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	798.9	2.9
10°-20°	2291.9	8.2
20°-30°	3466.1	12.4
30°-40°	4161.1	14.9
40°-50°	4297.8	15.4
50°-60°	3866.6	13.9
60°-70°	2912.7	10.4
70°-80°	1758.8	6.3
80°-90°	865.8	3.1
90°-100°	567.9	2.0
100°-110°	1137.2	4.1
110°-120°	887.4	3.2
120°-130°	430.1	1.5
130°-140°	218.4	0.8
140°-150°	124.1	0.4
150°-160°	69.0	0.2
160°-170°	32.4	0.1
170°-180°	9.9	0.0
0°-30°	6556.9	23.5
0°-40°	10718.1	38.4
0°-60°	18882.5	67.7
0°-90°	24419.8	87.5
90°-120°	2592.5	9.3
90°-150°	3365.0	12.1
90°-180°	3476.0	12.5
0°-180°	27896.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8431	8431	8431	8431	8431	
5°	8378	8400	8390	8423	8413	796
15°	8039	8078	8116	8184	8192	2266
25°	7342	7422	7527	7645	7664	3377
35°	6277	6424	6688	6890	6931	3924
45°	4954	5204	5639	5947	6011	3825
55°	3510	3873	4461	4797	4855	3147
65°	2142	2579	3157	3314	3277	2128
75°	1009	1448	1828	1876	1857	1076
85°	210	555	916	1042	1061	243
90°	6	252	571	713	740	17
95°	60	246	514	653	683	188
105°	1125	1204	1260	1073	992	1063
115°	783	814	906	957	950	785
125°	394	411	484	510	511	368
135°	236	245	275	310	318	186
145°	182	183	189	208	214	115
155°	150	155	154	154	156	67
165°	111	112	113	115	115	32
175°	101	102	102	103	103	10
180°	100	100	100	100	100	



TEST NUMBER: P828668

CATALOG NUMBER: OHBL-30HE-MFL-UNV-L950-CD-UPL30

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8431.2	8431.2	8431.2	8431.2	8431.2
2.5°	8406.4	8427.0	8414.7	8441.4	8439.4
5°	8377.5	8400.2	8389.9	8422.9	8412.6
7.5°	8328.0	8352.8	8350.7	8387.8	8383.7
10°	8255.7	8282.6	8290.8	8340.3	8340.3
12.5°	8156.7	8191.8	8212.4	8272.2	8274.3
15°	8039.1	8078.3	8115.5	8183.6	8191.8
17.5°	7896.7	7946.3	7997.8	8076.3	8086.5
20°	7735.8	7791.5	7861.7	7944.2	7956.5
22.5°	7550.1	7616.1	7706.9	7803.9	7818.3
25°	7341.7	7422.1	7527.4	7645.0	7663.5
27.5°	7104.4	7197.3	7339.6	7471.7	7488.2
30°	6846.4	6955.8	7133.3	7290.1	7316.9
32.5°	6574.0	6699.9	6918.7	7094.1	7131.2
35°	6277.0	6423.5	6687.6	6889.7	6931.0
37.5°	5984.0	6144.9	6444.1	6675.2	6724.7
40°	5641.4	5841.5	6184.1	6440.0	6499.8
42.5°	5319.5	5536.2	5924.1	6202.6	6260.4
45°	4954.3	5204.0	5639.3	5946.8	6010.7
47.5°	4611.8	4882.1	5364.9	5682.7	5748.7
50°	4250.6	4547.8	5071.9	5404.1	5472.2
52.5°	3889.5	4209.4	4768.6	5113.2	5177.1
55°	3509.9	3873.0	4461.1	4797.4	4855.2
57.5°	3157.0	3540.8	4145.4	4465.3	4500.3
60°	2808.3	3206.6	3823.6	4104.1	4116.6
62.5°	2467.8	2886.7	3493.3	3716.3	3699.7
65°	2141.9	2579.3	3157.0	3313.9	3276.7
67.5°	1828.2	2280.1	2812.5	2913.6	2864.0
70°	1531.1	1989.1	2478.2	2529.7	2484.4
72.5°	1269.0	1712.6	2139.8	2183.1	2150.0
75°	1009.0	1448.5	1828.2	1875.7	1857.0
77.5°	765.5	1192.6	1541.4	1603.3	1607.4
80°	551.0	959.5	1291.7	1388.7	1401.0
82.5°	363.2	744.9	1083.3	1207.1	1225.7
85°	210.5	555.1	916.1	1042.0	1060.6
87.5°	90.8	400.3	736.7	850.1	872.8
90°	6.1	252.3	571.1	713.3	740.2
92.5°	24.4	223.9	507.2	644.1	668.5
95°	59.9	246.5	513.8	653.2	683.1
97.5°	314.9	424.6	601.3	738.9	791.3
100°	609.7	738.5	765.5	860.0	880.7
102.5°	954.8	1054.8	1007.4	955.1	943.4
105°	1124.7	1203.6	1259.9	1072.7	992.0



TEST NUMBER: P828668

CATALOG NUMBER: OHBL-30HE-MFL-UNV-L950-CD-UPL30

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	906.8	953.0	1055.0	1097.3	1084.7
115°	783.4	814.3	906.3	957.3	949.9
117.5°	665.5	692.5	776.8	815.2	814.4
120°	562.9	587.1	659.7	695.7	697.0
122.5°	473.3	496.6	569.1	598.7	597.1
125°	393.9	411.3	483.7	510.4	511.3
127.5°	334.4	346.4	407.9	444.1	445.9
130°	290.0	299.1	353.2	389.9	395.3
132.5°	259.6	269.9	308.9	344.6	352.0
135°	236.1	244.7	274.6	309.9	318.1
137.5°	215.3	225.5	246.3	278.7	287.0
140°	202.6	209.0	223.6	250.1	259.3
142.5°	191.6	195.1	203.5	228.0	235.0
145°	182.3	182.9	189.3	207.5	213.7
147.5°	171.9	175.4	178.8	188.8	195.0
150°	164.1	168.8	170.2	173.1	180.1
152.5°	157.1	160.9	161.5	161.2	165.3
155°	150.2	154.8	154.5	154.2	156.2
157.5°	124.3	126.1	127.8	128.7	129.5
160°	120.0	120.9	122.6	123.5	124.3
162.5°	114.8	116.5	117.4	118.2	119.1
165°	111.3	112.2	113.0	114.8	114.8
167.5°	107.8	108.7	109.6	110.4	110.4
170°	105.2	106.1	106.9	106.9	106.9
172.5°	102.6	103.5	104.3	104.3	104.3
175°	100.9	101.7	101.7	102.6	102.6
177.5°	100.0	100.9	100.9	100.9	101.7
180°	100.0	100.0	100.0	100.0	100.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1123.8	1199.3	1284.3	1213.6	1102.1
110°	1031.7	1101.5	1191.2	1204.7	1154.1



(END OF REPORT)