

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: P830627

Luminaire Tested: **OHBL-60HE-MFL-UNV-L930-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830627
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-60HE-MFL-UNV-L930-CD
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

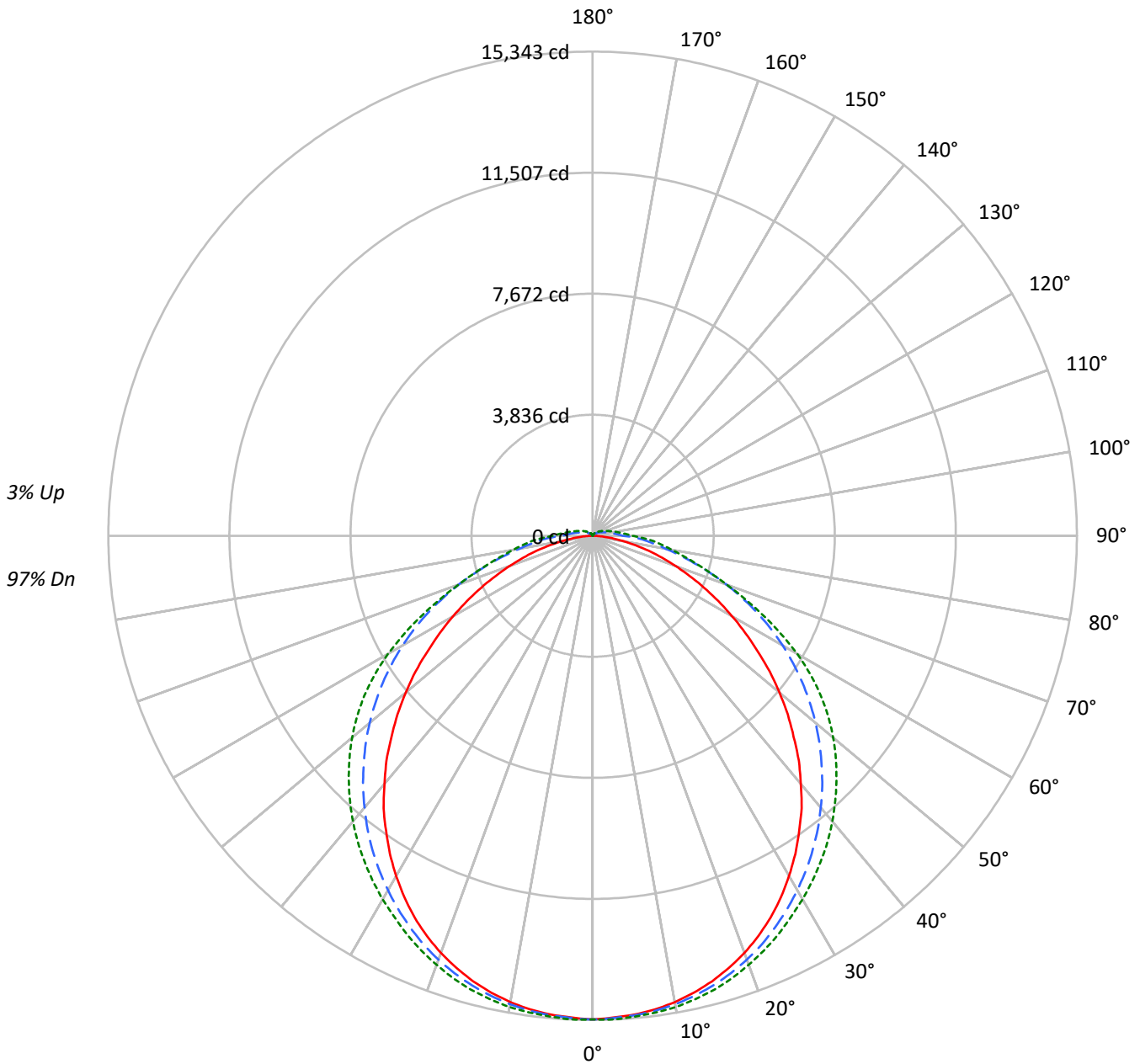
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45875.1 lumens
Efficiency: N/A
Efficacy: 135.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 338
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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	97																	
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	82	82	80																	
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	68	68	66																	
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	58	58	56																	
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	50	50	47																	
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	43	43	41																	
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	38	38	36																	
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	34	34	32																	
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	30	30	28																	
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	27	27	25																	
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	25	25	23																	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24241	24241	24241
5°	24086	24012	24085
10°	23917	23800	23959
15°	23650	23547	23793
20°	23296	23237	23551
25°	22822	22850	23306
30°	22166	22431	23059
35°	21372	21985	22846
40°	20419	21470	22637
45°	19294	20909	22369
50°	18064	20343	22044
55°	16552	19650	21495
60°	15003	18834	20400
65°	13313	17791	18599
70°	11481	16461	16649
75°	9625	14925	15331
80°	7297	13815	15210
85°	4616	14359	16996



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1452.4	3.2
10°-20°	4166.8	9.1
20°-30°	6301.6	13.7
30°-40°	7565.1	16.5
40°-50°	7813.6	17.0
50°-60°	7029.8	15.3
60°-70°	5295.4	11.5
70°-80°	3197.5	7.0
80°-90°	1563.9	3.4
90°-100°	658.3	1.4
100°-110°	375.8	0.8
110°-120°	220.6	0.5
120°-130°	124.8	0.3
130°-140°	65.7	0.1
140°-150°	31.9	0.1
150°-160°	11.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	11920.9	26.0
0°-40°	19486.0	42.5
0°-60°	34329.4	74.8
0°-90°	44386.2	96.8
90°-120°	1254.6	2.7
90°-150°	1477.0	3.2
90°-180°	1489.0	3.2
0°-180°	45875.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15328	15328	15328	15328	15328	
5°	15231	15272	15253	15313	15294	###
15°	14616	14687	14754	14878	14893	4121
25°	13348	13494	13685	13899	13933	6139
35°	11412	11678	12158	12526	12601	7134
45°	9007	9461	10253	10812	10928	6954
55°	6381	7041	8111	8722	8827	5721
65°	3894	4689	5740	6025	5957	3869
75°	1834	2634	3324	3410	3376	1957
85°	383	1009	1666	1894	1928	442
90°	0	394	953	1200	1249	24
95°	19	266	713	908	942	16
105°	26	154	413	540	563	26
115°	30	86	255	341	356	31
125°	30	41	154	221	233	27
135°	26	34	79	135	150	21
145°	38	34	38	68	79	22
155°	38	41	38	34	38	12
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CATALOG NUMBER: OHBL-60HE-MFL-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	15328.3	15328.3	15328.3	15328.3	15328.3
2.5°	15283.3	15320.8	15298.3	15347.1	15343.3
5°	15230.8	15272.0	15253.3	15313.3	15294.5
7.5°	15140.7	15185.7	15182.0	15249.5	15242.0
10°	15009.4	15058.2	15073.2	15163.2	15163.2
12.5°	14829.4	14893.1	14930.6	15039.4	15043.2
15°	14615.5	14686.8	14754.3	14878.1	14893.1
17.5°	14356.7	14446.7	14540.5	14683.1	14701.8
20°	14064.1	14165.4	14292.9	14443.0	14465.5
22.5°	13726.4	13846.5	14011.5	14187.9	14214.1
25°	13347.5	13493.9	13685.2	13899.0	13932.8
27.5°	12916.1	13084.9	13343.8	13583.9	13613.9
30°	12447.2	12646.0	12968.7	13253.8	13302.5
32.5°	11952.0	12180.9	12578.5	12897.4	12964.9
35°	11411.8	11678.2	12158.3	12526.0	12601.0
37.5°	10879.1	11171.7	11715.7	12135.8	12225.9
40°	10256.4	10620.3	11243.0	11708.2	11817.0
42.5°	9671.2	10065.1	10770.3	11276.8	11381.8
45°	9007.2	9461.1	10252.6	10811.6	10927.9
47.5°	8384.4	8875.9	9753.7	10331.4	10451.5
50°	7727.9	8268.1	9221.0	9825.0	9948.8
52.5°	7071.4	7652.9	8669.5	9296.0	9412.3
55°	6381.2	7041.4	8110.6	8722.0	8827.1
57.5°	5739.7	6437.4	7536.6	8118.1	8181.8
60°	5105.7	5829.7	6951.4	7461.6	7484.1
62.5°	4486.7	5248.2	6351.2	6756.3	6726.3
65°	3894.0	4689.3	5739.7	6024.8	5957.3
67.5°	3323.8	4145.3	5113.2	5297.0	5207.0
70°	2783.6	3616.4	4505.5	4599.2	4516.7
72.5°	2307.1	3113.7	3890.2	3969.0	3909.0
75°	1834.4	2633.5	3323.8	3410.0	3376.3
77.5°	1391.8	2168.3	2802.3	2914.9	2922.4
80°	1001.6	1744.4	2348.4	2524.7	2547.2
82.5°	660.2	1354.3	1969.5	2194.6	2228.3
85°	382.6	1009.1	1665.6	1894.5	1928.2
87.5°	165.1	727.8	1339.3	1545.6	1586.9
90°	0.0	393.9	952.9	1200.5	1249.2
92.5°	11.3	326.4	817.8	1042.9	1084.2
95°	18.8	266.4	712.8	907.8	941.6
97.5°	22.5	225.1	619.0	791.5	825.3
100°	22.5	195.1	536.5	694.0	724.0
102.5°	22.5	172.6	468.9	607.7	634.0
105°	26.3	153.8	412.7	540.2	562.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	30.0	101.3	285.1	382.6	397.7
115°	30.0	86.3	255.1	341.4	356.4
117.5°	33.8	75.0	225.1	307.6	318.9
120°	33.8	63.8	198.8	273.9	288.9
122.5°	33.8	52.5	176.3	247.6	258.8
125°	30.0	41.3	153.8	221.3	232.6
127.5°	26.3	33.8	131.3	198.8	210.1
130°	26.3	30.0	112.5	176.3	187.6
132.5°	26.3	33.8	93.8	153.8	168.8
135°	26.3	33.8	78.8	135.1	150.1
137.5°	26.3	33.8	63.8	116.3	131.3
140°	30.0	33.8	52.5	97.5	112.5
142.5°	33.8	33.8	41.3	82.5	93.8
145°	37.5	33.8	37.5	67.5	78.8
147.5°	37.5	37.5	37.5	52.5	63.8
150°	37.5	41.3	37.5	41.3	52.5
152.5°	37.5	41.3	37.5	33.8	41.3
155°	37.5	41.3	37.5	33.8	37.5
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	26.3	135.1	363.9	480.2	498.9
110°	26.3	120.0	322.6	427.7	446.4



(END OF REPORT)