

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: P830333

Luminaire Tested: **OHBL-36HE-MFL-UNV-L740-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830333
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-36HE-MFL-UNV-L740-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

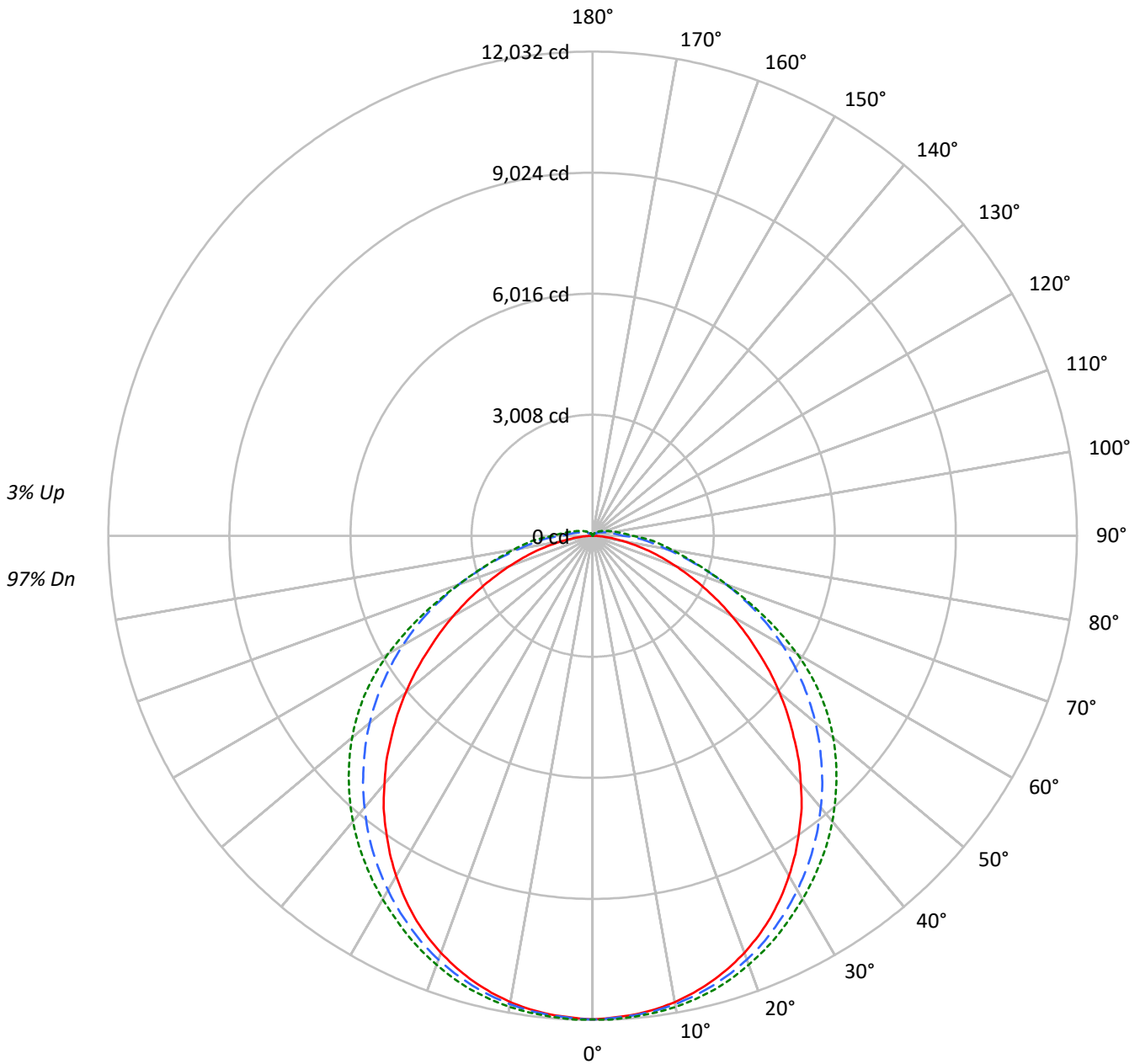
Lumens per Lamp: N/A
Luminaire Lumens: 35973.0 lumens
Efficiency: N/A
Efficacy: 169.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 212
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: P830333

CATALOG NUMBER: OHBL-36HE-MFL-UNV-L740-CD

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°	19009	19009	19009
5°	18887	18829	18886
10°	18755	18663	18788
15°	18545	18464	18658
20°	18267	18221	18468
25°	17896	17918	18275
30°	17382	17589	18082
35°	16759	17240	17915
40°	16011	16835	17751
45°	15130	16396	17541
50°	14165	15952	17286
55°	12979	15409	16856
60°	11765	14768	15996
65°	10439	13951	14584
70°	9002	12908	13055
75°	7548	11704	12022
80°	5722	10833	11927
85°	3621	11260	13328



TEST NUMBER: P830333

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1138.9	3.2
10°-20°	3267.4	9.1
20°-30°	4941.4	13.7
30°-40°	5932.2	16.5
40°-50°	6127.0	17.0
50°-60°	5512.4	15.3
60°-70°	4152.4	11.5
70°-80°	2507.4	7.0
80°-90°	1226.3	3.4
90°-100°	516.2	1.4
100°-110°	294.7	0.8
110°-120°	173.0	0.5
120°-130°	97.8	0.3
130°-140°	51.5	0.1
140°-150°	25.0	0.1
150°-160°	9.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	9347.8	26.0
0°-40°	15280.0	42.5
0°-60°	26919.4	74.8
0°-90°	34805.5	96.8
90°-120°	983.8	2.7
90°-150°	1158.2	3.2
90°-180°	1168.0	3.2
0°-180°	35973.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12020	12020	12020	12020	12020	
5°	11943	11976	11961	12008	11993	###
15°	11461	11517	11570	11667	11678	3231
25°	10466	10581	10731	10899	10925	4814
35°	8949	9158	9534	9822	9881	5594
45°	7063	7419	8040	8478	8569	5453
55°	5004	5522	6360	6839	6922	4486
65°	3054	3677	4501	4724	4671	3034
75°	1438	2065	2606	2674	2648	1535
85°	300	791	1306	1486	1512	347
90°	0	309	747	941	980	19
95°	15	209	559	712	738	12
105°	21	121	324	424	441	21
115°	24	68	200	268	280	24
125°	24	32	121	174	182	21
135°	21	26	62	106	118	16
145°	29	26	29	53	62	17
155°	29	32	29	26	29	9
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P830333

CATALOG NUMBER: OHBL-36HE-MFL-UNV-L740-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12019.7	12019.7	12019.7	12019.7	12019.7
2.5°	11984.4	12013.8	11996.2	12034.4	12031.5
5°	11943.2	11975.6	11960.9	12008.0	11993.2
7.5°	11872.6	11907.9	11905.0	11957.9	11952.1
10°	11769.7	11807.9	11819.7	11890.3	11890.3
12.5°	11628.5	11678.5	11707.9	11793.2	11796.2
15°	11460.8	11516.7	11569.6	11666.7	11678.5
17.5°	11257.8	11328.4	11402.0	11513.8	11528.5
20°	11028.4	11107.8	11207.8	11325.5	11343.1
22.5°	10763.6	10857.8	10987.2	11125.5	11146.0
25°	10466.5	10581.2	10731.3	10898.9	10925.4
27.5°	10128.2	10260.6	10463.6	10651.8	10675.4
30°	9760.5	9916.4	10169.4	10393.0	10431.2
32.5°	9372.2	9551.7	9863.5	10113.5	10166.5
35°	8948.6	9157.5	9534.0	9822.3	9881.1
37.5°	8530.9	8760.3	9186.9	9516.4	9587.0
40°	8042.6	8327.9	8816.2	9181.0	9266.3
42.5°	7583.7	7892.5	8445.6	8842.7	8925.1
45°	7063.0	7418.9	8039.6	8477.9	8569.1
47.5°	6574.7	6960.0	7648.4	8101.4	8195.5
50°	6059.9	6483.5	7230.7	7704.3	7801.3
52.5°	5545.1	6001.0	6798.2	7289.5	7380.7
55°	5003.8	5521.5	6359.9	6839.4	6921.8
57.5°	4500.8	5047.9	5909.8	6365.8	6415.8
60°	4003.6	4571.4	5450.9	5851.0	5868.7
62.5°	3518.3	4115.4	4980.3	5298.0	5274.4
65°	3053.5	3677.1	4500.8	4724.3	4671.4
67.5°	2606.3	3250.6	4009.5	4153.7	4083.1
70°	2182.7	2835.8	3533.0	3606.5	3541.8
72.5°	1809.1	2441.6	3050.5	3112.3	3065.2
75°	1438.5	2065.1	2606.3	2674.0	2647.5
77.5°	1091.4	1700.3	2197.4	2285.7	2291.6
80°	785.4	1367.9	1841.5	1979.8	1997.4
82.5°	517.7	1061.9	1544.4	1720.9	1747.4
85°	300.1	791.3	1306.1	1485.6	1512.0
87.5°	129.4	570.7	1050.2	1212.0	1244.3
90°	0.0	308.9	747.2	941.3	979.6
92.5°	8.8	255.9	641.3	817.8	850.1
95°	14.7	208.9	558.9	711.9	738.4
97.5°	17.7	176.5	485.4	620.7	647.2
100°	17.7	153.0	420.7	544.2	567.7
102.5°	17.7	135.3	367.7	476.6	497.1
105°	20.6	120.6	323.6	423.6	441.3



TEST NUMBER: P830333

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	23.5	79.4	223.6	300.1	311.8
115°	23.5	67.7	200.0	267.7	279.5
117.5°	26.5	58.8	176.5	241.2	250.0
120°	26.5	50.0	155.9	214.7	226.5
122.5°	26.5	41.2	138.3	194.2	203.0
125°	23.5	32.4	120.6	173.6	182.4
127.5°	20.6	26.5	103.0	155.9	164.7
130°	20.6	23.5	88.3	138.3	147.1
132.5°	20.6	26.5	73.5	120.6	132.4
135°	20.6	26.5	61.8	105.9	117.7
137.5°	20.6	26.5	50.0	91.2	103.0
140°	23.5	26.5	41.2	76.5	88.3
142.5°	26.5	26.5	32.4	64.7	73.5
145°	29.4	26.5	29.4	53.0	61.8
147.5°	29.4	29.4	29.4	41.2	50.0
150°	29.4	32.4	29.4	32.4	41.2
152.5°	29.4	32.4	29.4	26.5	32.4
155°	29.4	32.4	29.4	26.5	29.4
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°	20.6	105.9	285.3	376.5	391.2
110°	20.6	94.1	253.0	335.4	350.1



(END OF REPORT)