

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: P830341

Luminaire Tested: **OHBL-36HE-MFL-UNV-L940-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830341
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-L940-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 4000K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

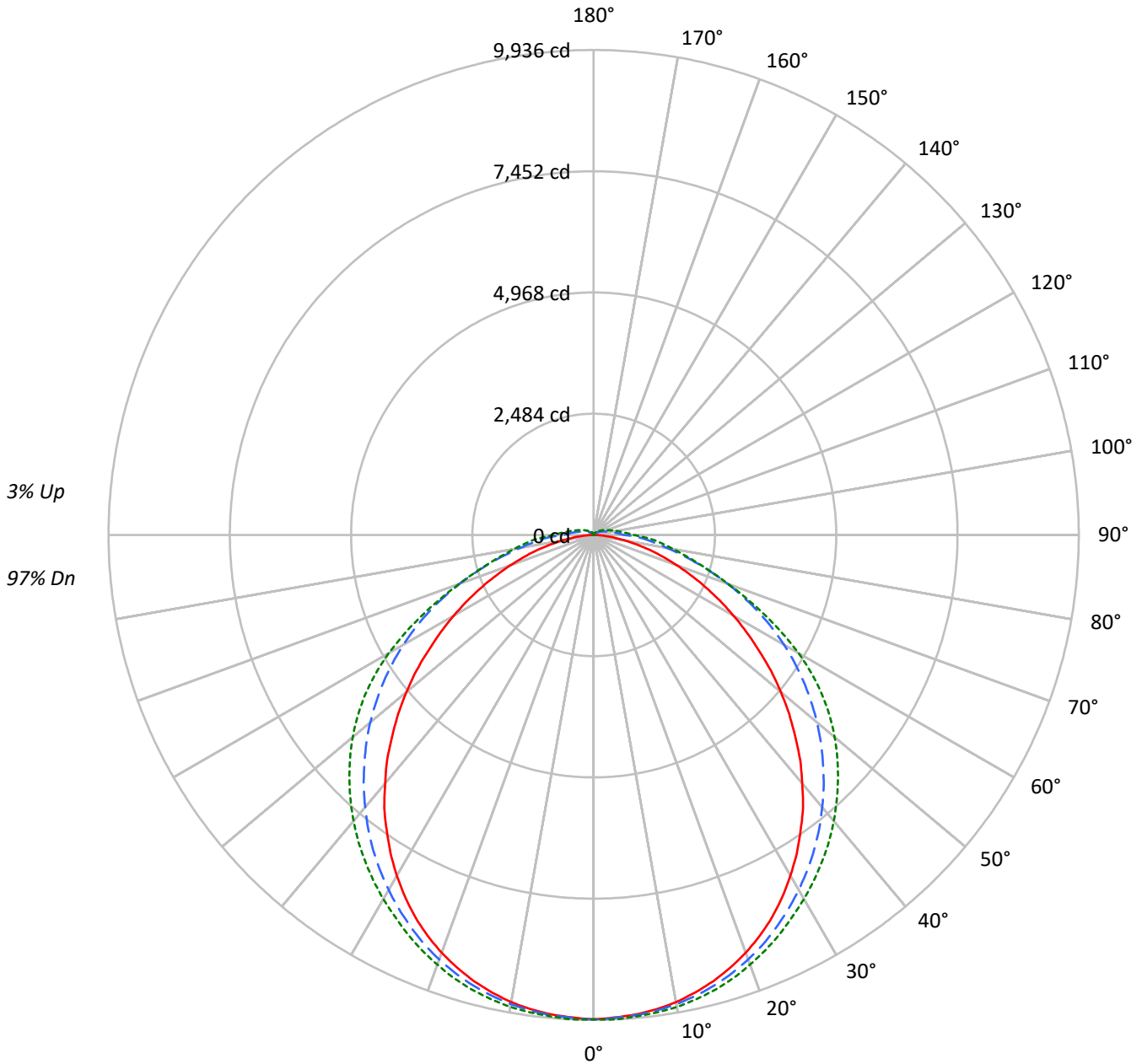
Lumens per Lamp: N/A
Luminaire Lumens: 29709.0 lumens
Efficiency: N/A
Efficacy: 140.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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

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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°	15699	15699	15699
5°	15598	15550	15598
10°	15489	15413	15516
15°	15316	15249	15409
20°	15086	15048	15252
25°	14780	14798	15093
30°	14355	14526	14933
35°	13841	14238	14795
40°	13223	13904	14660
45°	12495	13541	14486
50°	11699	13175	14276
55°	10719	12726	13920
60°	9716	12197	13211
65°	8622	11521	12045
70°	7435	10661	10782
75°	6233	9666	9929
80°	4726	8946	9850
85°	2990	9299	11007



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	940.6	3.2
10°-20°	2698.5	9.1
20°-30°	4081.0	13.7
30°-40°	4899.2	16.5
40°-50°	5060.1	17.0
50°-60°	4552.5	15.3
60°-70°	3429.4	11.5
70°-80°	2070.8	7.0
80°-90°	1012.8	3.4
90°-100°	426.3	1.4
100°-110°	243.3	0.8
110°-120°	142.8	0.5
120°-130°	80.8	0.3
130°-140°	42.5	0.1
140°-150°	20.7	0.1
150°-160°	7.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7720.0	26.0
0°-40°	12619.3	42.5
0°-60°	22232.0	74.8
0°-90°	28744.8	96.8
90°-120°	812.5	2.7
90°-150°	956.5	3.2
90°-180°	964.0	3.2
0°-180°	29709.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9927	9927	9927	9927	9927	
5°	9864	9890	9878	9917	9905	937
15°	9465	9511	9555	9635	9645	2669
25°	8644	8739	8863	9001	9023	3976
35°	7390	7563	7874	8112	8160	4620
45°	5833	6127	6640	7002	7077	4503
55°	4132	4560	5252	5648	5716	3705
65°	2522	3037	3717	3902	3858	2505
75°	1188	1706	2152	2208	2186	1267
85°	248	654	1079	1227	1249	286
90°	0	255	617	777	809	16
95°	12	172	462	588	610	10
105°	17	100	267	350	364	17
115°	19	56	165	221	231	20
125°	19	27	100	143	151	17
135°	17	22	51	88	97	13
145°	24	22	24	44	51	14
155°	24	27	24	22	24	7
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9926.7	9926.7	9926.7	9926.7	9926.7
2.5°	9897.6	9921.9	9907.3	9938.9	9936.4
5°	9863.6	9890.3	9878.1	9917.0	9904.9
7.5°	9805.2	9834.4	9832.0	9875.7	9870.8
10°	9720.2	9751.8	9761.5	9819.8	9819.8
12.5°	9603.6	9644.9	9669.2	9739.7	9742.1
15°	9465.1	9511.3	9555.0	9635.2	9644.9
17.5°	9297.5	9355.8	9416.5	9508.9	9521.0
20°	9108.0	9173.6	9256.2	9353.4	9367.9
22.5°	8889.3	8967.1	9074.0	9188.2	9205.2
25°	8644.0	8738.7	8862.6	9001.1	9023.0
27.5°	8364.6	8473.9	8641.5	8797.0	8816.5
30°	8060.9	8189.7	8398.6	8583.2	8614.8
32.5°	7740.2	7888.4	8145.9	8352.4	8396.2
35°	7390.4	7562.9	7873.8	8111.9	8160.5
37.5°	7045.4	7234.9	7587.2	7859.3	7917.6
40°	6642.1	6877.8	7281.1	7582.3	7652.8
42.5°	6263.1	6518.2	6974.9	7302.9	7370.9
45°	5833.1	6127.1	6639.7	7001.7	7077.0
47.5°	5429.8	5748.1	6316.6	6690.7	6768.4
50°	5004.7	5354.5	5971.6	6362.7	6442.9
52.5°	4579.5	4956.1	5614.5	6020.2	6095.5
55°	4132.5	4560.1	5252.5	5648.5	5716.5
57.5°	3717.1	4168.9	4880.8	5257.3	5298.6
60°	3306.5	3775.4	4501.8	4832.2	4846.7
62.5°	2905.6	3398.8	4113.1	4375.4	4356.0
65°	2521.8	3036.8	3717.1	3901.7	3858.0
67.5°	2152.5	2684.5	3311.3	3430.4	3372.1
70°	1802.7	2342.0	2917.8	2978.5	2925.1
72.5°	1494.1	2016.4	2519.3	2570.4	2531.5
75°	1188.0	1705.5	2152.5	2208.4	2186.5
77.5°	901.3	1404.2	1814.8	1887.7	1892.5
80°	648.7	1129.7	1520.8	1635.0	1649.6
82.5°	427.6	877.0	1275.5	1421.2	1443.1
85°	247.8	653.5	1078.7	1226.9	1248.7
87.5°	106.9	471.3	867.3	1000.9	1027.7
90°	0.0	255.1	617.1	777.4	809.0
92.5°	7.3	211.4	529.6	675.4	702.1
95°	12.1	172.5	461.6	587.9	609.8
97.5°	14.6	145.8	400.9	512.6	534.5
100°	14.6	126.3	347.4	449.4	468.9
102.5°	14.6	111.8	303.7	393.6	410.6
105°	17.0	99.6	267.2	349.8	364.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	19.4	65.6	184.6	247.8	257.5
115°	19.4	55.9	165.2	221.1	230.8
117.5°	21.9	48.6	145.8	199.2	206.5
120°	21.9	41.3	128.8	177.3	187.1
122.5°	21.9	34.0	114.2	160.3	167.6
125°	19.4	26.7	99.6	143.3	150.6
127.5°	17.0	21.9	85.0	128.8	136.0
130°	17.0	19.4	72.9	114.2	121.5
132.5°	17.0	21.9	60.7	99.6	109.3
135°	17.0	21.9	51.0	87.5	97.2
137.5°	17.0	21.9	41.3	75.3	85.0
140°	19.4	21.9	34.0	63.2	72.9
142.5°	21.9	21.9	26.7	53.4	60.7
145°	24.3	21.9	24.3	43.7	51.0
147.5°	24.3	24.3	24.3	34.0	41.3
150°	24.3	26.7	24.3	26.7	34.0
152.5°	24.3	26.7	24.3	21.9	26.7
155°	24.3	26.7	24.3	21.9	24.3
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°	17.0	87.5	235.7	311.0	323.1
110°	17.0	77.7	208.9	277.0	289.1



(END OF REPORT)