

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: P830343

Luminaire Tested: **OHBL-36HE-N-UNV-L730-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830343
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36HE-N-UNV-L730-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

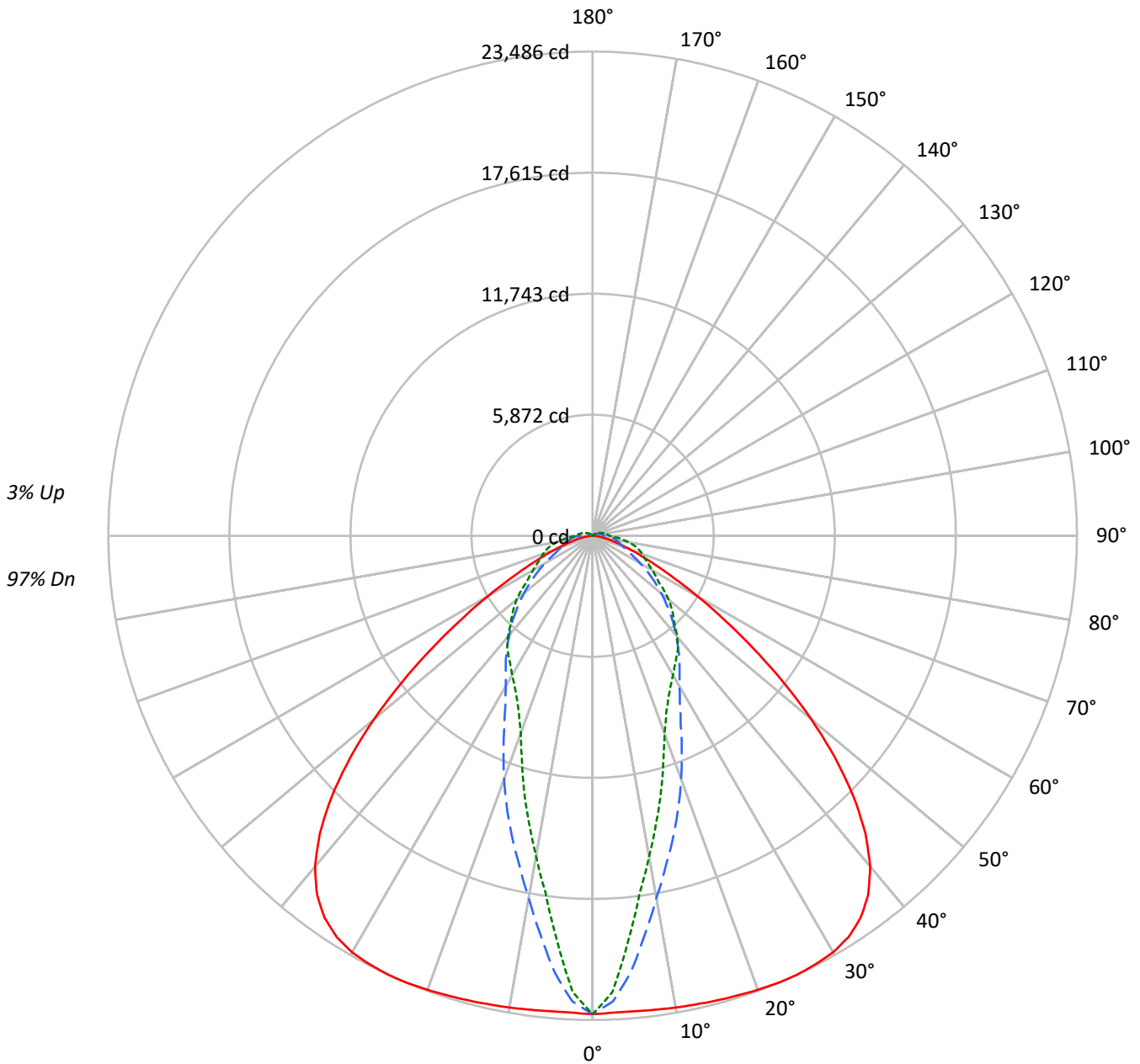
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34243.0 lumens
Efficiency: N/A
Efficacy: 161.5 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
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: P830343
CATALOG NUMBER: OHBL-36HE-N-UNV-L730-CD

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					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	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	99	99	99	99	97		
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	85	85	85	85	85	85	85	82		
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	73	73	73	73	71		
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	64	64	64	64	62		
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	56	56	56	56	54		
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	50	50	50	50	48		
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	45	45	45	45	43		
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	41	41	41	41	39		
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	37	37	37	37	35		
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	34	34	34	34	32		
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	32	32	32	32	30		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	36693	36693	36693
5°	36618	33430	31088
10°	37031	28172	24944
15°	37754	24105	20486
20°	38815	20391	16581
25°	40157	16887	14538
30°	41545	14555	13516
35°	42410	13272	12888
40°	41684	11997	12237
45°	38348	10849	11341
50°	32353	9592	10657
55°	24584	8410	9496
60°	17228	7221	9107
65°	11589	6229	8935
70°	7914	5857	9401
75°	5492	6059	10087
80°	3781	6742	10456
85°	2212	8510	11114



TEST NUMBER: P830343

CATALOG NUMBER: OHBL-36HE-N-UNV-L730-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1953.1	5.7
10°-20°	4594.5	13.4
20°-30°	5759.1	16.8
30°-40°	6111.1	17.8
40°-50°	5525.4	16.1
50°-60°	4006.3	11.7
60°-70°	2514.1	7.3
70°-80°	1663.8	4.9
80°-90°	958.5	2.8
90°-100°	464.4	1.4
100°-110°	320.5	0.9
110°-120°	197.8	0.6
120°-130°	95.8	0.3
130°-140°	44.1	0.1
140°-150°	24.1	0.1
150°-160°	10.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
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0°-30°	12306.7	35.9
0°-40°	18417.8	53.8
0°-60°	27949.5	81.6
0°-90°	33086.0	96.6
90°-120°	982.7	2.9
90°-150°	1146.6	3.3
90°-180°	1157.0	3.4
0°-180°	34243.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23202	23202	23202	23202	23202	
5°	23155	22561	21236	20251	19741	###
15°	23332	19017	15104	13432	12823	6617
25°	23486	14704	10114	8976	8691	10850
35°	22645	9776	7340	7110	7108	14077
45°	17902	6192	5320	5448	5540	13638
55°	9478	3838	3471	3765	3900	8563
65°	3390	2226	2010	2575	2862	3527
75°	1047	1199	1349	2096	2221	1167
85°	183	497	987	1374	1261	220
90°	0	208	572	806	813	12
95°	9	146	504	684	716	8
105°	18	97	367	486	499	18
115°	24	68	247	309	316	24
125°	26	35	126	159	157	23
135°	22	26	55	86	86	17
145°	26	29	33	51	49	16
155°	26	33	35	38	33	8
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P830343

CATALOG NUMBER: OHBL-36HE-N-UNV-L730-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	23201.5	23201.5	23201.5	23201.5	23201.5
2.5°	23152.9	23020.4	22607.5	22355.7	22143.7
5°	23155.1	22561.1	21236.2	20251.3	19741.2
7.5°	23188.2	21867.7	19480.7	18043.1	17482.2
10°	23239.0	21008.7	17842.2	16309.7	15786.4
12.5°	23276.5	20041.5	16400.2	14825.8	14251.7
15°	23331.7	19016.9	15104.0	13432.4	12823.0
17.5°	23382.5	18052.0	13823.3	12076.6	11398.7
20°	23433.3	17011.9	12542.5	10742.8	10184.2
22.5°	23481.9	15914.4	11292.7	9707.2	9325.2
25°	23486.3	14704.3	10113.5	8976.3	8691.4
27.5°	23428.9	13450.1	9157.4	8364.6	8188.0
30°	23329.5	12233.4	8415.4	7923.0	7797.1
32.5°	23082.2	10992.4	7841.3	7496.8	7423.9
35°	22645.0	9775.7	7340.0	7110.4	7108.2
37.5°	21956.0	8695.9	6796.8	6757.1	6805.6
40°	20938.1	7750.7	6282.3	6388.3	6388.3
42.5°	19580.0	6929.3	5816.4	5924.6	5895.9
45°	17901.8	6191.8	5319.5	5447.6	5540.4
47.5°	15956.4	5542.6	4811.6	5059.0	5187.0
50°	13840.9	4924.3	4347.9	4663.7	4809.4
52.5°	11623.9	4352.3	3895.2	4257.4	4374.4
55°	9477.6	3837.8	3471.3	3765.0	3899.7
57.5°	7534.3	3347.6	3056.1	3334.4	3612.6
60°	5862.7	2925.9	2665.3	3062.8	3341.0
62.5°	4478.2	2550.5	2298.7	2808.8	3087.1
65°	3389.6	2225.9	2009.5	2574.8	2861.8
67.5°	2554.9	1945.4	1784.2	2404.7	2685.2
70°	1918.9	1673.8	1603.1	2298.7	2550.5
72.5°	1417.7	1424.3	1459.6	2206.0	2398.1
75°	1046.7	1199.0	1349.2	2095.6	2221.4
77.5°	748.6	993.7	1249.8	1963.1	2007.2
80°	518.9	810.4	1146.1	1788.6	1751.1
82.5°	324.6	649.2	1053.3	1596.5	1492.7
85°	183.3	496.8	987.1	1373.5	1260.9
87.5°	81.7	371.0	863.4	1071.0	1000.3
90°	0.0	207.6	571.9	806.0	812.6
92.5°	4.4	172.2	527.8	737.5	759.6
95°	8.8	145.7	503.5	684.5	715.5
97.5°	11.0	128.1	472.6	636.0	662.5
100°	13.2	114.8	435.0	585.2	607.3
102.5°	15.5	106.0	399.7	532.2	549.8
105°	17.7	97.2	366.6	485.8	499.1



TEST NUMBER: P830343

CATALOG NUMBER: OHBL-36HE-N-UNV-L730-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	22.1	75.1	276.0	348.9	359.9
115°	24.3	68.5	247.3	309.1	315.8
117.5°	26.5	59.6	216.4	271.6	273.8
120°	26.5	53.0	185.5	231.9	231.9
122.5°	26.5	44.2	154.6	192.1	189.9
125°	26.5	35.3	125.9	159.0	156.8
127.5°	24.3	28.7	101.6	132.5	130.3
130°	24.3	28.7	81.7	112.6	112.6
132.5°	22.1	26.5	66.2	97.2	97.2
135°	22.1	26.5	55.2	86.1	86.1
137.5°	22.1	28.7	46.4	75.1	75.1
140°	22.1	26.5	39.7	66.2	66.2
142.5°	24.3	26.5	35.3	57.4	57.4
145°	26.5	28.7	33.1	50.8	48.6
147.5°	26.5	30.9	33.1	44.2	42.0
150°	26.5	33.1	33.1	39.7	37.5
152.5°	26.5	33.1	33.1	37.5	35.3
155°	26.5	33.1	35.3	37.5	33.1
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°	17.7	90.5	335.6	435.0	450.5
110°	19.9	81.7	306.9	388.6	404.1



(END OF REPORT)