

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: P830427

Luminaire Tested: **OHBL-36SE-NL-UNV-L730-CD**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P830427
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36SE-NL-UNV-L730-CD
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

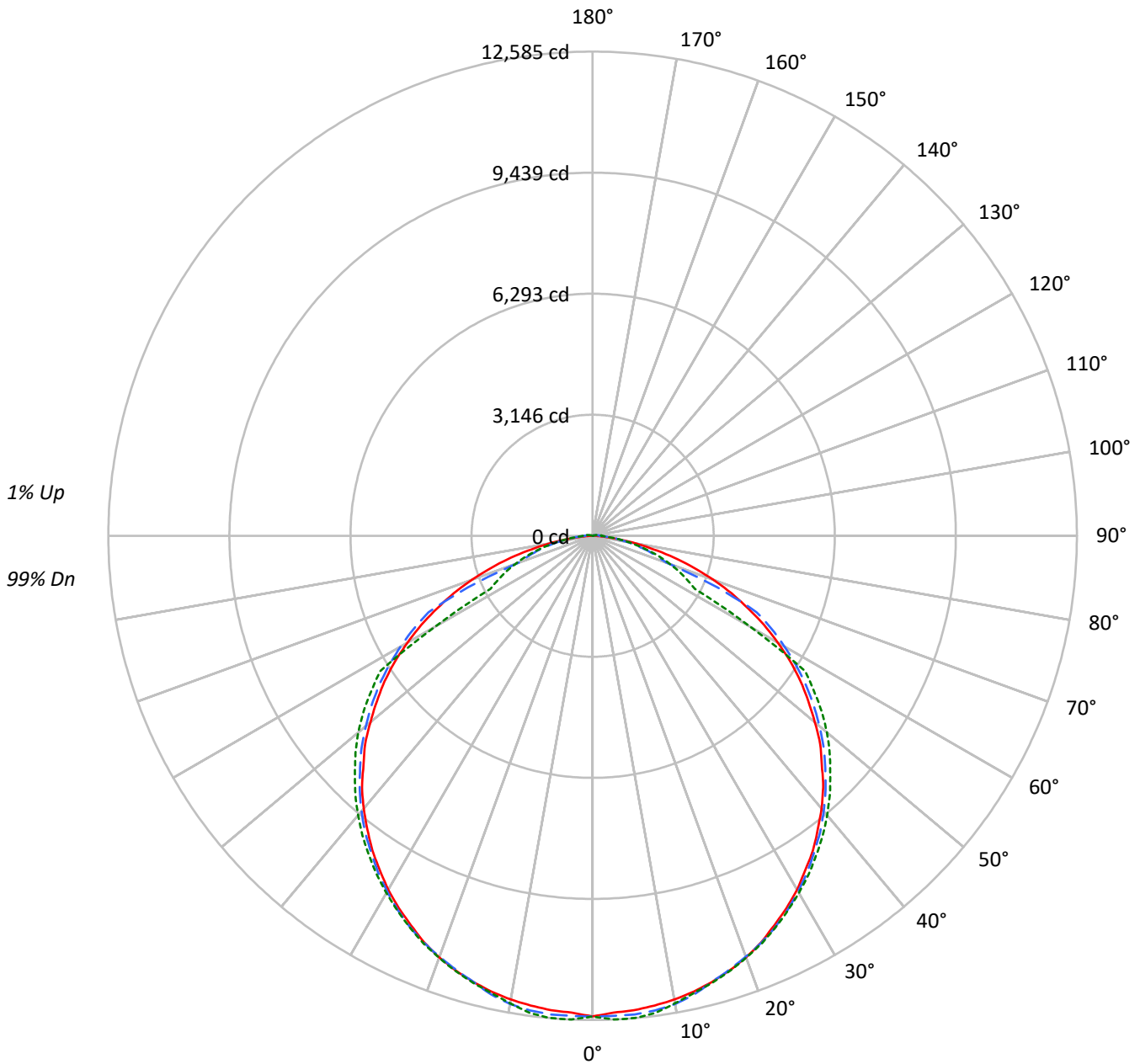
Lumens per Lamp: N/A
Luminaire Lumens: 35076.9 lumens
Efficiency: N/A
Efficacy: 166.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.8' x L: 3.78' x H: 0')
CIE Type: Direct

Input Watts (W): 211
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				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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	99				99
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86	84				84
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73	71				71
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62	60				60
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53	51				51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44				44
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39				39
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34				34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30				30
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27				27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25				25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19758	19758	19758
5°	19649	19827	19976
10°	19654	19841	19817
15°	19651	19648	19691
20°	19624	19595	19643
25°	19490	19589	19605
30°	19400	19500	19576
35°	19274	19380	19562
40°	19108	19289	19574
45°	18832	19117	19534
50°	18548	18926	19552
55°	18194	18665	19336
60°	17584	18208	15054
65°	16637	17604	10131
70°	15387	9345	9833
75°	13422	8881	9390
80°	10321	8147	8606
85°	5210	8233	8432



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1186.9	3.4
10°-20°	3398.5	9.7
20°-30°	5171.1	14.7
30°-40°	6287.4	17.9
40°-50°	6610.8	18.8
50°-60°	6036.5	17.2
60°-70°	3869.7	11.0
70°-80°	1828.0	5.2
80°-90°	506.9	1.4
90°-100°	134.2	0.4
100°-110°	36.7	0.1
110°-120°	10.2	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	9756.5	27.8
0°-40°	16043.9	45.7
0°-60°	28691.2	81.8
0°-90°	34895.8	99.5
90°-120°	181.1	0.5
90°-150°	181.1	0.5
90°-180°	181.0	0.5
0°-180°	35076.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12494	12494	12494	12494	12494	
5°	12377	12426	12489	12557	12583	###
15°	12002	12092	12000	12018	12026	3388
25°	11169	11187	11226	11244	11235	5154
35°	9983	9924	10038	10161	10132	6239
45°	8420	8405	8547	8749	8734	6508
55°	6598	6548	6770	6995	7013	5885
65°	4446	4446	4704	2699	2707	4408
75°	2197	2238	1453	1530	1537	2316
85°	287	364	454	491	465	424
90°	0	123	202	239	235	13
95°	6	64	145	195	195	4
105°	11	24	35	35	33	11
115°	11	15	22	15	2	8
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CATALOG NUMBER: OHBL-36SE-NL-UNV-L730-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12493.5	12493.5	12493.5	12493.5	12493.5
2.5°	12405.8	12447.6	12493.5	12552.7	12585.4
5°	12377.2	12425.5	12489.1	12557.1	12583.3
7.5°	12316.0	12383.7	12445.2	12493.5	12508.8
10°	12239.1	12320.4	12355.4	12351.0	12340.1
12.5°	12136.1	12221.7	12210.8	12160.2	12169.1
15°	12002.4	12092.2	12000.3	12017.7	12026.5
17.5°	11844.6	11932.3	11824.9	11859.9	11862.2
20°	11660.5	11726.2	11642.9	11671.4	11671.4
22.5°	11439.1	11485.1	11450.0	11469.7	11474.2
25°	11169.4	11186.8	11226.3	11243.9	11235.1
27.5°	10910.9	10888.8	10965.6	11007.2	10985.1
30°	10623.5	10588.5	10678.3	10746.3	10720.1
32.5°	10294.6	10272.8	10375.9	10456.9	10441.6
35°	9983.4	9924.2	10038.2	10161.0	10132.4
37.5°	9615.1	9580.0	9709.3	9838.8	9823.5
40°	9255.5	9196.4	9343.3	9496.7	9481.4
42.5°	8869.8	8799.5	8959.6	9143.9	9126.3
45°	8420.2	8404.9	8547.4	8749.1	8733.8
47.5°	8021.5	7944.7	8144.0	8339.2	8356.9
50°	7539.0	7510.6	7692.6	7929.3	7946.8
52.5°	7067.8	7048.1	7238.6	7477.7	7508.3
55°	6598.5	6548.1	6769.6	6995.4	7013.0
57.5°	6096.7	6044.0	6269.9	6515.4	6552.5
60°	5559.4	5509.0	5756.7	5984.8	4759.4
62.5°	5022.3	4987.3	5246.1	3715.9	2994.7
65°	4445.8	4445.8	4704.4	2698.6	2707.4
67.5°	3906.6	3871.6	3507.7	2424.5	2424.5
70°	3327.8	3341.0	2021.1	2124.4	2126.5
72.5°	2746.9	2795.1	1745.1	1828.2	1832.6
75°	2196.6	2238.3	1453.4	1530.2	1536.7
77.5°	1613.5	1240.8	1168.4	1227.8	1229.9
80°	1133.3	782.6	894.5	951.4	944.9
82.5°	661.9	548.0	655.4	697.2	694.9
85°	287.1	363.9	453.7	491.1	464.7
87.5°	91.9	225.8	282.7	304.7	302.4
90°	0.0	122.8	201.7	238.8	234.6
92.5°	0.0	96.3	175.5	219.3	221.4
95°	6.5	63.6	144.8	195.2	195.2
97.5°	4.4	46.0	103.1	153.4	157.8
100°	4.4	37.1	68.0	109.5	111.9
102.5°	10.9	30.6	41.5	70.1	72.4
105°	10.9	24.1	35.0	35.0	33.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	13.2	17.6	24.1	17.6	2.1
115°	10.9	15.3	21.8	15.3	2.1
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
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°	10.9	21.8	30.6	19.7	6.5
110°	13.2	19.7	26.2	17.6	2.1



(END OF REPORT)