

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: P830428

Luminaire Tested: **OHBL-36SE-NL-UNV-L735-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830428
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-L735-CD
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

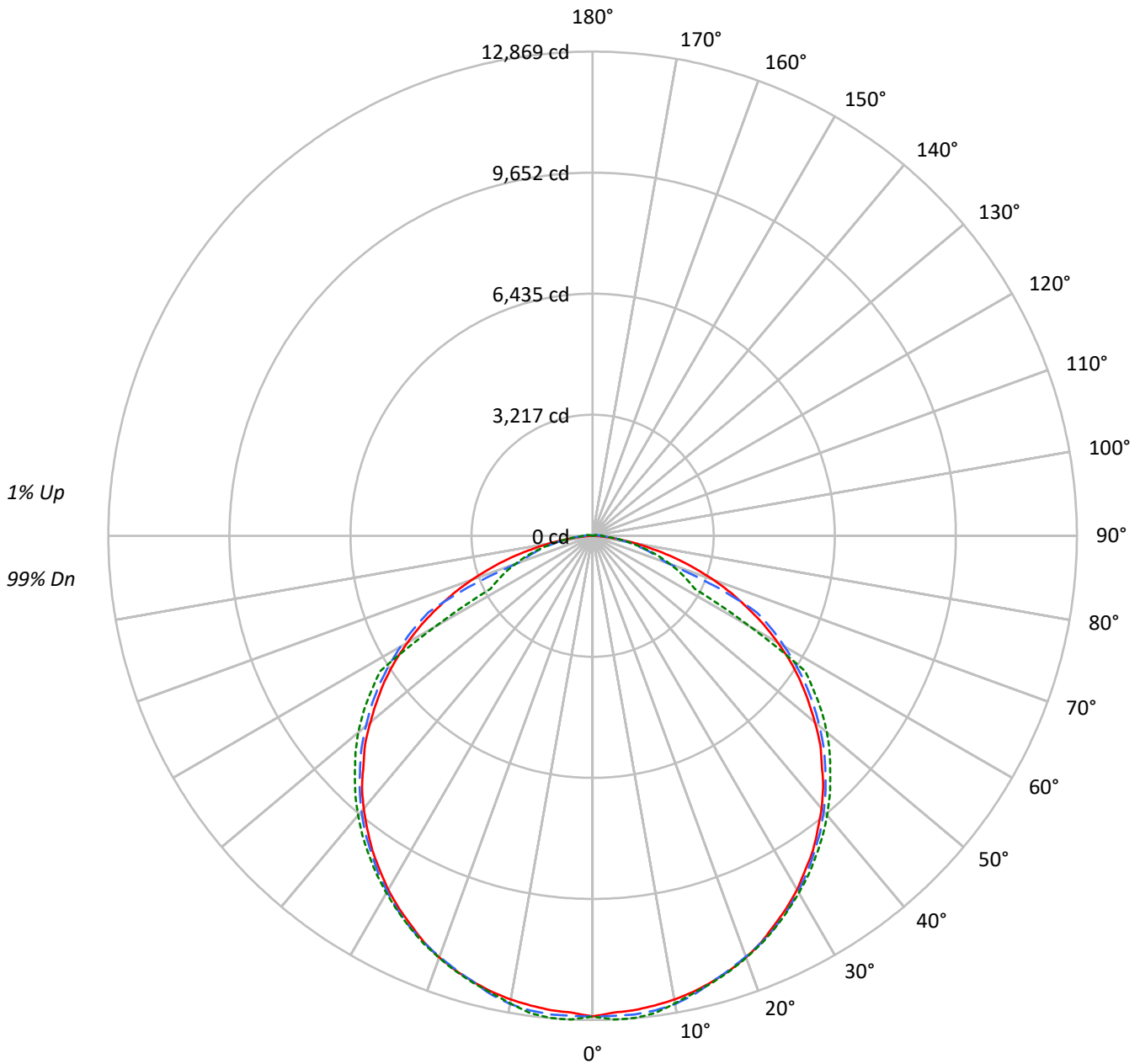
Lumens per Lamp: N/A
Luminaire Lumens: 35868.0 lumens
Efficiency: N/A
Efficacy: 170.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.8' x L: 3.78' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20204	20204	20204
5°	20092	20274	20427
10°	20098	20289	20264
15°	20094	20091	20135
20°	20067	20036	20086
25°	19930	20031	20047
30°	19837	19940	20018
35°	19709	19817	20003
40°	19539	19724	20015
45°	19257	19548	19974
50°	18967	19353	19993
55°	18604	19086	19773
60°	17981	18619	15393
65°	17012	18001	10360
70°	15734	9556	10054
75°	13724	9081	9602
80°	10555	8330	8800
85°	5327	8419	8621



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1213.7	3.4
10°-20°	3475.1	9.7
20°-30°	5287.7	14.7
30°-40°	6429.1	17.9
40°-50°	6759.9	18.8
50°-60°	6172.6	17.2
60°-70°	3957.0	11.0
70°-80°	1869.2	5.2
80°-90°	518.3	1.4
90°-100°	137.3	0.4
100°-110°	37.6	0.1
110°-120°	10.4	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°	9976.6	27.8
0°-40°	16405.7	45.7
0°-60°	29338.2	81.8
0°-90°	35682.7	99.5
90°-120°	185.3	0.5
90°-150°	185.3	0.5
90°-180°	185.0	0.5
0°-180°	35868.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12775	12775	12775	12775	12775	
5°	12656	12706	12771	12840	12867	###
15°	12273	12365	12271	12289	12298	3465
25°	11421	11439	11479	11498	11488	5270
35°	10208	10148	10264	10390	10361	6380
45°	8610	8594	8740	8946	8931	6655
55°	6747	6696	6922	7153	7171	6017
65°	4546	4546	4810	2759	2768	4507
75°	2246	2289	1486	1565	1571	2368
85°	294	372	464	502	475	434
90°	0	126	206	244	240	13
95°	7	65	148	200	200	4
105°	11	25	36	36	34	11
115°	11	16	22	16	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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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12775.3	12775.3	12775.3	12775.3	12775.3
2.5°	12685.5	12728.3	12775.3	12835.8	12869.2
5°	12656.4	12705.7	12770.7	12840.3	12867.1
7.5°	12593.7	12663.0	12725.9	12775.3	12790.9
10°	12515.1	12598.2	12634.0	12629.5	12618.4
12.5°	12409.8	12497.3	12486.2	12434.5	12443.5
15°	12273.1	12364.9	12270.9	12288.7	12297.7
17.5°	12111.7	12201.4	12091.5	12127.3	12129.7
20°	11923.5	11990.6	11905.4	11934.6	11934.6
22.5°	11697.1	11744.1	11708.2	11728.4	11732.9
25°	11421.3	11439.1	11479.4	11497.5	11488.5
27.5°	11156.9	11134.4	11212.9	11255.4	11232.8
30°	10863.1	10827.3	10919.1	10988.6	10961.8
32.5°	10526.8	10504.5	10609.9	10692.7	10677.0
35°	10208.5	10148.0	10264.5	10390.1	10360.9
37.5°	9831.9	9796.0	9928.2	10060.7	10045.0
40°	9464.3	9403.7	9554.0	9710.8	9695.2
42.5°	9069.8	8997.9	9161.7	9350.1	9332.1
45°	8610.1	8594.4	8740.2	8946.4	8930.7
47.5°	8202.4	8123.8	8327.7	8527.3	8545.3
50°	7709.0	7680.0	7866.1	8108.2	8126.0
52.5°	7227.2	7207.0	7401.9	7646.3	7677.6
55°	6747.3	6695.8	6922.2	7153.1	7171.2
57.5°	6234.2	6180.3	6411.2	6662.3	6700.3
60°	5684.8	5633.3	5886.5	6119.8	4866.7
62.5°	5135.6	5099.8	5364.4	3799.7	3062.3
65°	4546.1	4546.1	4810.4	2759.4	2768.5
67.5°	3994.7	3958.9	3586.8	2479.2	2479.2
70°	3402.8	3416.4	2066.7	2172.3	2174.4
72.5°	2808.8	2858.2	1784.5	1869.5	1874.0
75°	2246.1	2288.8	1486.2	1564.7	1571.4
77.5°	1649.9	1268.8	1194.7	1255.5	1257.6
80°	1158.9	800.3	914.7	972.8	966.2
82.5°	676.9	560.3	670.2	712.9	710.6
85°	293.6	372.1	464.0	502.2	475.1
87.5°	94.0	230.9	289.1	311.6	309.2
90°	0.0	125.5	206.2	244.2	239.9
92.5°	0.0	98.5	179.4	224.3	226.4
95°	6.6	65.0	148.1	199.6	199.6
97.5°	4.5	47.0	105.4	156.9	161.4
100°	4.5	38.0	69.5	112.0	114.4
102.5°	11.2	31.3	42.5	71.7	74.0
105°	11.2	24.7	35.8	35.8	33.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	13.5	18.0	24.7	18.0	2.1
115°	11.2	15.7	22.3	15.7	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°	11.2	22.3	31.3	20.2	6.6
110°	13.5	20.2	26.8	18.0	2.1



(END OF REPORT)