

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: P830392

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

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P830392
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36SE-MCL-UNV-L735-CD
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

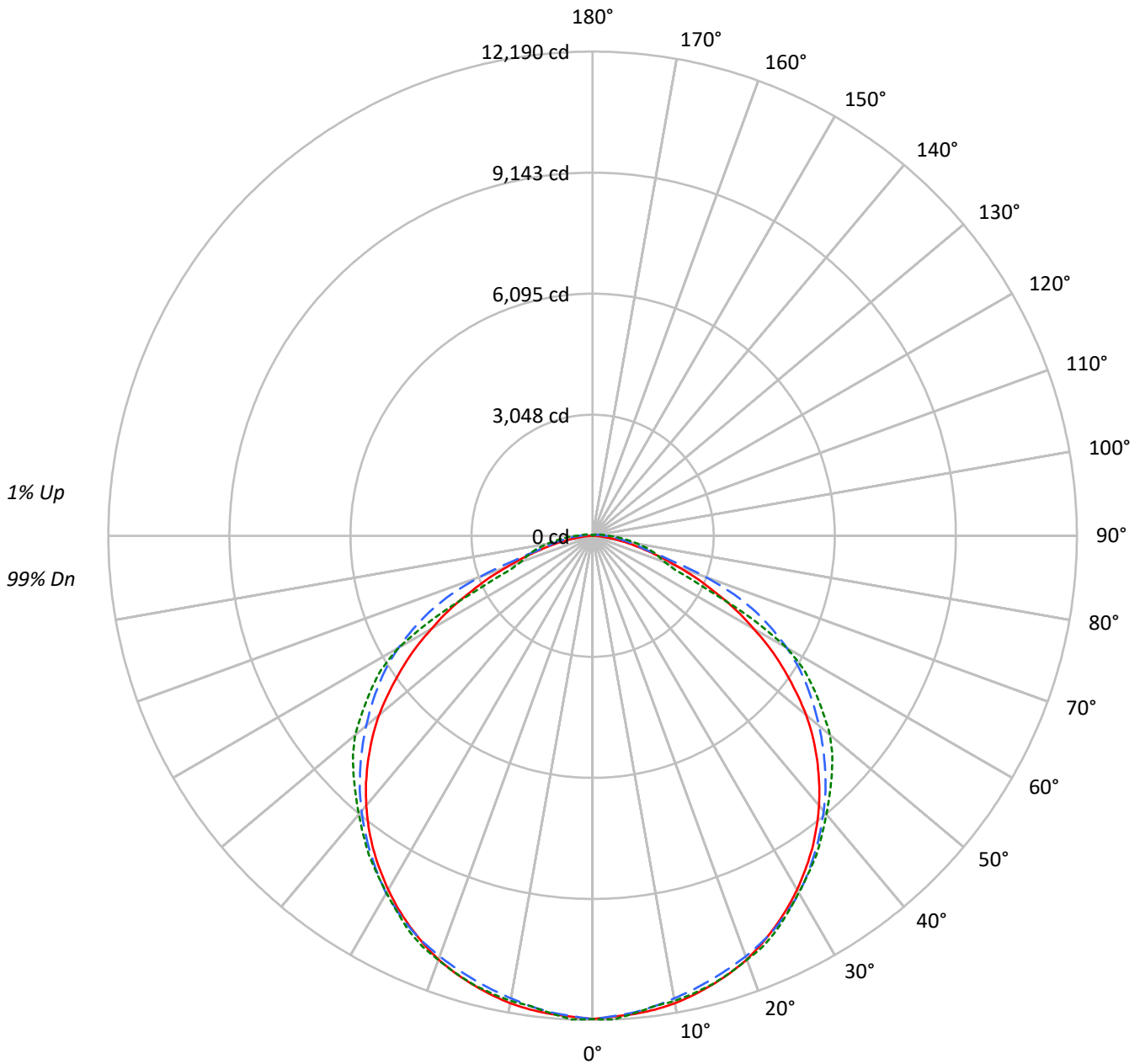
Lumens per Lamp: N/A
Luminaire Lumens: 34386.0 lumens
Efficiency: N/A
Efficacy: 163.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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									
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	110	110	110	106	106	106	101	101	101					99															
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86					83															
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72					70															
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61					59															
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53					51															
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46					44															
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40					38															
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36					34															
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32					30															
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29					27															
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26					24															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19240	19240	19240
5°	19114	18960	19000
10°	19044	18673	18789
15°	18923	18458	18663
20°	18802	18323	18498
25°	18576	18187	18334
30°	18329	17972	17988
35°	18034	17631	17796
40°	17650	17279	17536
45°	17119	16872	17421
50°	16398	16408	17283
55°	15254	15952	16638
60°	13755	15285	15382
65°	11800	14045	9748
70°	9504	10965	7068
75°	7125	6509	7173
80°	4960	5412	6848
85°	2823	4959	6420



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1147.1	3.3
10°-20°	3289.4	9.6
20°-30°	5024.0	14.6
30°-40°	6095.8	17.7
40°-50°	6389.0	18.6
50°-60°	5789.4	16.8
60°-70°	3881.5	11.3
70°-80°	1743.0	5.1
80°-90°	632.5	1.8
90°-100°	190.4	0.6
100°-110°	89.8	0.3
110°-120°	45.0	0.1
120°-130°	24.8	0.1
130°-140°	17.1	0.0
140°-150°	11.5	0.0
150°-160°	8.5	0.0
160°-170°	5.5	0.0
170°-180°	1.7	0.0
0°-30°	9460.5	27.5
0°-40°	15556.3	45.2
0°-60°	27734.6	80.7
0°-90°	33991.6	98.9
90°-120°	325.2	0.9
90°-150°	378.6	1.1
90°-180°	394.0	1.1
0°-180°	34386.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12166	12166	12166	12166	12166	
5°	12087	12129	12044	12081	12066	###
15°	11694	11649	11566	11668	11682	3302
25°	10864	10817	10892	10992	10961	5008
35°	9629	9652	9751	9854	9816	6019
45°	7992	8122	8273	8484	8510	6156
55°	5881	6164	6584	6848	6832	5249
65°	3451	3991	4531	3824	3122	3439
75°	1358	1970	1450	1483	1580	1484
85°	234	449	575	695	728	286
90°	2	150	297	373	390	14
95°	2	93	204	248	255	2
105°	7	40	100	121	127	8
115°	14	21	51	65	69	13
125°	12	14	32	37	39	12
135°	16	18	19	28	30	13
145°	16	18	18	19	21	10
155°	18	19	19	19	18	8
165°	19	19	19	19	19	5
175°	19	19	18	16	16	2
180°	18	18	18	18	18	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12165.8	12165.8	12165.8	12165.8	12165.8
2.5°	12116.5	12167.6	12104.2	12172.8	12190.4
5°	12086.6	12128.9	12044.4	12081.4	12065.5
7.5°	12032.1	12046.2	11945.9	11975.8	11944.2
10°	11951.2	11944.2	11826.3	11884.3	11891.4
12.5°	11831.6	11810.5	11704.9	11792.9	11794.6
15°	11694.4	11648.6	11565.9	11668.0	11682.0
17.5°	11536.0	11476.2	11421.7	11553.6	11532.5
20°	11351.3	11281.0	11270.4	11414.7	11361.9
22.5°	11122.7	11068.1	11092.8	11230.0	11196.5
25°	10864.1	10816.6	10892.2	10992.5	10960.8
27.5°	10591.4	10563.3	10649.5	10726.9	10665.3
30°	10292.4	10276.5	10390.9	10454.2	10376.8
32.5°	9966.9	9972.2	10081.3	10167.5	10095.4
35°	9629.2	9652.1	9750.6	9854.4	9815.7
37.5°	9258.0	9309.1	9407.6	9525.4	9485.0
40°	8865.8	8939.6	9048.7	9191.2	9154.3
42.5°	8441.8	8535.1	8675.8	8834.1	8830.6
45°	7991.5	8121.7	8273.0	8484.0	8510.4
47.5°	7523.6	7669.6	7861.3	8142.8	8183.2
50°	7015.2	7198.2	7437.4	7775.1	7799.8
52.5°	6448.8	6698.6	7015.2	7338.9	7309.0
55°	5880.6	6163.8	6584.2	6848.1	6832.3
57.5°	5314.2	5632.6	6142.7	6330.9	6329.2
60°	4680.9	5083.7	5641.4	5783.9	5643.1
62.5°	4095.1	4527.9	5106.6	5002.8	4520.8
65°	3451.3	3991.4	4531.4	3824.2	3122.4
67.5°	2879.6	3442.5	3848.9	2619.3	2242.8
70°	2304.4	2925.3	3001.0	1943.8	1917.4
72.5°	1794.3	2455.7	2070.4	1664.1	1748.5
75°	1358.0	1970.2	1449.5	1482.9	1579.7
77.5°	990.4	1512.8	1127.6	1300.0	1379.1
80°	680.8	1071.3	920.0	1092.4	1146.9
82.5°	427.5	707.2	737.1	879.5	935.8
85°	234.0	448.6	575.2	694.8	728.3
87.5°	96.7	270.9	439.8	536.5	564.7
90°	1.8	149.5	297.3	372.9	390.5
92.5°	1.8	114.3	242.8	300.8	313.1
95°	1.8	93.2	204.1	248.0	255.1
97.5°	3.5	73.9	170.6	205.8	212.8
100°	5.3	61.6	142.5	172.4	177.7
102.5°	7.0	49.3	119.6	144.2	149.5
105°	7.0	40.5	100.3	121.4	126.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	12.3	24.6	59.8	75.6	79.2
115°	14.1	21.1	51.0	65.1	68.6
117.5°	14.1	17.6	44.0	54.5	58.0
120°	14.1	15.8	38.7	47.5	49.3
122.5°	14.1	14.1	33.4	42.2	44.0
125°	12.3	14.1	31.7	36.9	38.7
127.5°	14.1	14.1	28.1	33.4	35.2
130°	14.1	15.8	24.6	31.7	31.7
132.5°	15.8	17.6	22.9	29.9	29.9
135°	15.8	17.6	19.3	28.1	29.9
137.5°	17.6	17.6	17.6	26.4	28.1
140°	17.6	17.6	15.8	22.9	24.6
142.5°	15.8	17.6	15.8	21.1	22.9
145°	15.8	17.6	17.6	19.3	21.1
147.5°	17.6	17.6	17.6	17.6	19.3
150°	17.6	17.6	17.6	17.6	17.6
152.5°	17.6	17.6	17.6	17.6	17.6
155°	17.6	19.3	19.3	19.3	17.6
157.5°	17.6	19.3	19.3	19.3	19.3
160°	17.6	19.3	19.3	19.3	19.3
162.5°	19.3	19.3	19.3	19.3	19.3
165°	19.3	19.3	19.3	19.3	19.3
167.5°	19.3	21.1	19.3	19.3	19.3
170°	19.3	19.3	19.3	17.6	17.6
172.5°	19.3	19.3	19.3	17.6	17.6
175°	19.3	19.3	17.6	15.8	15.8
177.5°	21.1	19.3	17.6	15.8	14.1
180°	17.6	17.6	17.6	17.6	17.6



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	8.8	33.4	86.2	103.8	107.3
110°	10.6	28.1	72.1	88.0	91.5



(END OF REPORT)