

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: P828796

Luminaire Tested: **OHB-12SE-A-UNV-L735-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828796
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: OHB-12SE-A-UNV-L735-CD
Description: 12000 LUMEN OHB SE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

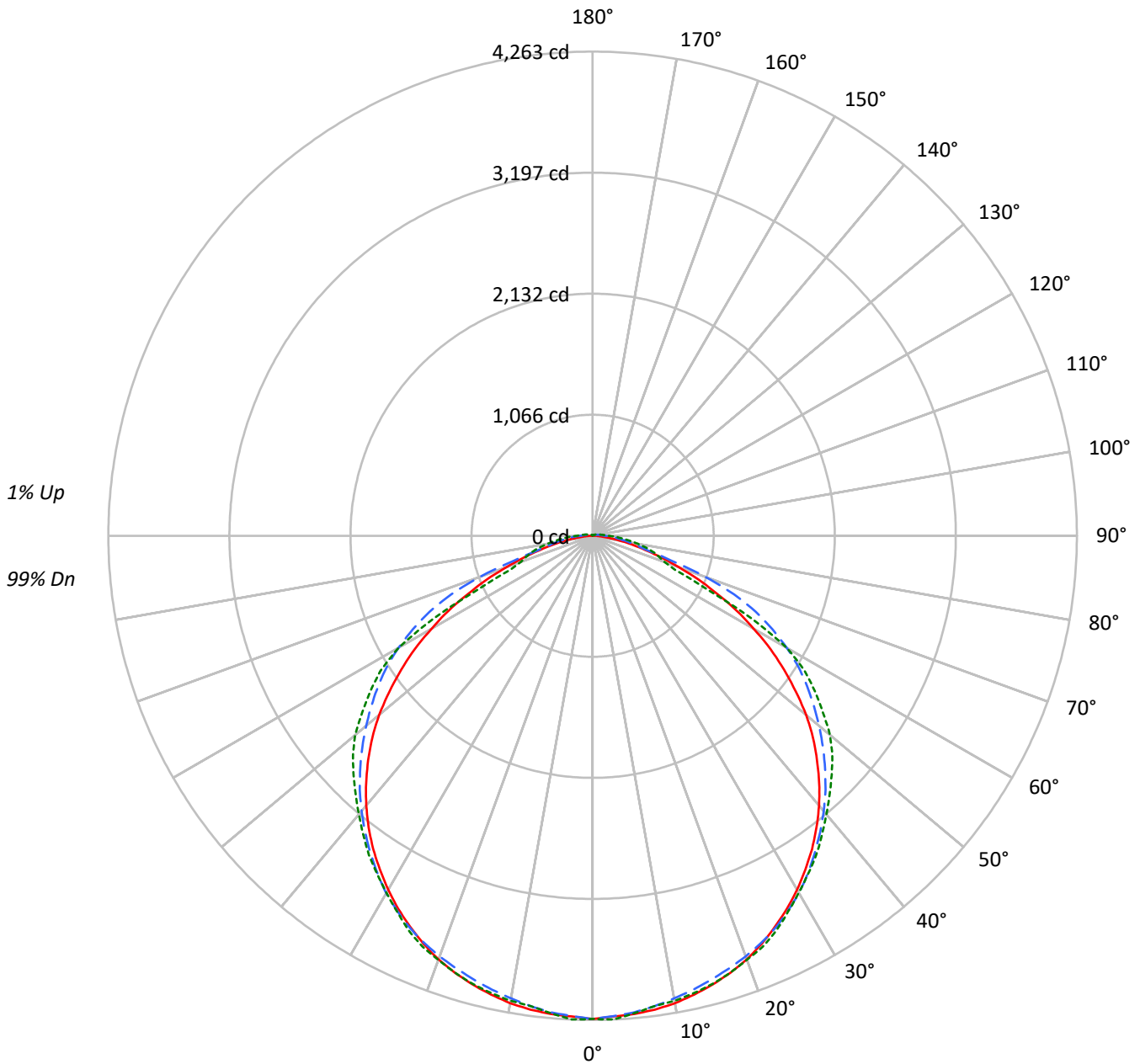
Lumens per Lamp: N/A
Luminaire Lumens: 12024.1 lumens
Efficiency: N/A
Efficacy: 158.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 1.93' x H: 0.17')
CIE Type: Direct

Input Watts (W): 76
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°	27068	27068	27068
5°	26793	26448	26506
10°	26597	25828	25993
15°	26329	25314	25602
20°	26059	24911	25158
25°	25640	24504	24713
30°	25189	23986	24018
35°	24665	23293	23523
40°	24013	22575	22924
45°	23149	21771	22493
50°	22020	20876	22003
55°	20310	19963	20835
60°	18123	18749	18881
65°	15334	16804	11670
70°	12120	12697	8188
75°	8833	7202	7937
80°	5857	5587	7064
85°	3008	4536	5852



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.1	3.3
10°-20°	1150.2	9.6
20°-30°	1756.8	14.6
30°-40°	2131.6	17.7
40°-50°	2234.1	18.6
50°-60°	2024.4	16.8
60°-70°	1357.3	11.3
70°-80°	609.5	5.1
80°-90°	221.2	1.8
90°-100°	66.6	0.6
100°-110°	31.4	0.3
110°-120°	15.7	0.1
120°-130°	8.7	0.1
130°-140°	6.0	0.0
140°-150°	4.0	0.0
150°-160°	3.0	0.0
160°-170°	1.9	0.0
170°-180°	0.6	0.0
0°-30°	3308.1	27.5
0°-40°	5439.7	45.2
0°-60°	9698.2	80.7
0°-90°	11886.1	98.9
90°-120°	113.7	0.9
90°-150°	132.4	1.1
90°-180°	138.0	1.1
0°-180°	12024.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4254	4254	4254	4254	4254	
5°	4226	4241	4212	4225	4219	402
15°	4089	4073	4044	4080	4085	1155
25°	3799	3782	3809	3844	3833	1751
35°	3367	3375	3410	3446	3432	2105
45°	2794	2840	2893	2967	2976	2153
55°	2056	2155	2302	2395	2389	1836
65°	1207	1396	1584	1337	1092	1202
75°	475	689	507	518	552	519
85°	82	157	201	243	255	100
90°	1	52	104	130	137	5
95°	1	33	71	87	89	1
105°	2	14	35	42	44	3
115°	5	7	18	23	24	5
125°	4	5	11	13	14	4
135°	6	6	7	10	10	4
145°	6	6	6	7	7	4
155°	6	7	7	7	6	3
165°	7	7	7	7	7	2
175°	7	7	6	6	6	1
180°	6	6	6	6	6	



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CATALOG NUMBER: OHB-12SE-A-UNV-L735-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4254.1	4254.1	4254.1	4254.1	4254.1
2.5°	4236.9	4254.7	4232.6	4256.6	4262.7
5°	4226.4	4241.2	4211.7	4224.6	4219.0
7.5°	4207.4	4212.3	4177.2	4187.7	4176.6
10°	4179.1	4176.6	4135.4	4155.7	4158.1
12.5°	4137.2	4129.8	4092.9	4123.7	4124.3
15°	4089.3	4073.3	4044.3	4080.0	4084.9
17.5°	4033.9	4013.0	3993.9	4040.0	4032.7
20°	3969.3	3944.7	3941.0	3991.4	3973.0
22.5°	3889.3	3870.3	3878.9	3926.9	3915.2
25°	3798.9	3782.3	3808.8	3843.8	3832.8
27.5°	3703.6	3693.7	3723.9	3750.9	3729.4
30°	3599.0	3593.5	3633.5	3655.6	3628.5
32.5°	3485.2	3487.1	3525.2	3555.3	3530.1
35°	3367.1	3375.1	3409.6	3445.8	3432.3
37.5°	3237.3	3255.2	3289.6	3330.8	3316.7
40°	3100.2	3126.0	3164.1	3214.0	3201.0
42.5°	2951.9	2984.5	3033.7	3089.1	3087.9
45°	2794.4	2840.0	2892.9	2966.7	2975.9
47.5°	2630.8	2681.9	2748.9	2847.3	2861.5
50°	2453.1	2517.0	2600.7	2718.8	2727.4
52.5°	2255.0	2342.3	2453.1	2566.2	2555.8
55°	2056.3	2155.3	2302.4	2394.6	2389.1
57.5°	1858.2	1969.6	2148.0	2213.8	2213.2
60°	1636.8	1777.7	1972.7	2022.5	1973.3
62.5°	1432.0	1583.3	1785.7	1749.4	1580.8
65°	1206.8	1395.7	1584.5	1337.2	1091.8
67.5°	1006.9	1203.8	1345.9	915.9	784.3
70°	805.8	1022.9	1049.4	679.7	670.5
72.5°	627.4	858.7	724.0	581.9	611.4
75°	474.9	688.9	506.9	518.5	552.4
77.5°	346.3	529.0	394.3	454.6	482.2
80°	238.0	374.6	321.7	382.0	401.1
82.5°	149.5	247.3	257.7	307.6	327.2
85°	81.8	156.9	201.1	243.0	254.7
87.5°	33.8	94.7	153.8	187.6	197.5
90°	0.6	52.3	104.0	130.4	136.6
92.5°	0.6	40.0	84.9	105.2	109.5
95°	0.6	32.6	71.4	86.7	89.2
97.5°	1.2	25.8	59.7	72.0	74.4
100°	1.8	21.5	49.8	60.3	62.1
102.5°	2.5	17.2	41.8	50.4	52.3
105°	2.5	14.1	35.1	42.4	44.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.3	8.6	20.9	26.4	27.7
115°	4.9	7.4	17.8	22.8	24.0
117.5°	4.9	6.2	15.4	19.1	20.3
120°	4.9	5.5	13.5	16.6	17.2
122.5°	4.9	4.9	11.7	14.8	15.4
125°	4.3	4.9	11.1	12.9	13.5
127.5°	4.9	4.9	9.8	11.7	12.3
130°	4.9	5.5	8.6	11.1	11.1
132.5°	5.5	6.2	8.0	10.5	10.5
135°	5.5	6.2	6.8	9.8	10.5
137.5°	6.2	6.2	6.2	9.2	9.8
140°	6.2	6.2	5.5	8.0	8.6
142.5°	5.5	6.2	5.5	7.4	8.0
145°	5.5	6.2	6.2	6.8	7.4
147.5°	6.2	6.2	6.2	6.2	6.8
150°	6.2	6.2	6.2	6.2	6.2
152.5°	6.2	6.2	6.2	6.2	6.2
155°	6.2	6.8	6.8	6.8	6.2
157.5°	6.2	6.8	6.8	6.8	6.8
160°	6.2	6.8	6.8	6.8	6.8
162.5°	6.8	6.8	6.8	6.8	6.8
165°	6.8	6.8	6.8	6.8	6.8
167.5°	6.8	7.4	6.8	6.8	6.8
170°	6.8	6.8	6.8	6.2	6.2
172.5°	6.8	6.8	6.8	6.2	6.2
175°	6.8	6.8	6.2	5.5	5.5
177.5°	7.4	6.8	6.2	5.5	4.9
180°	6.2	6.2	6.2	6.2	6.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	3.1	11.7	30.1	36.3	37.5
110°	3.7	9.8	25.2	30.8	32.0



(END OF REPORT)