

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: P829372

Luminaire Tested: **OHB-30SE-A-UNV-L735-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829372
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-30SE-A-UNV-L735-CD
Description: 30000 LUMEN OHB SE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

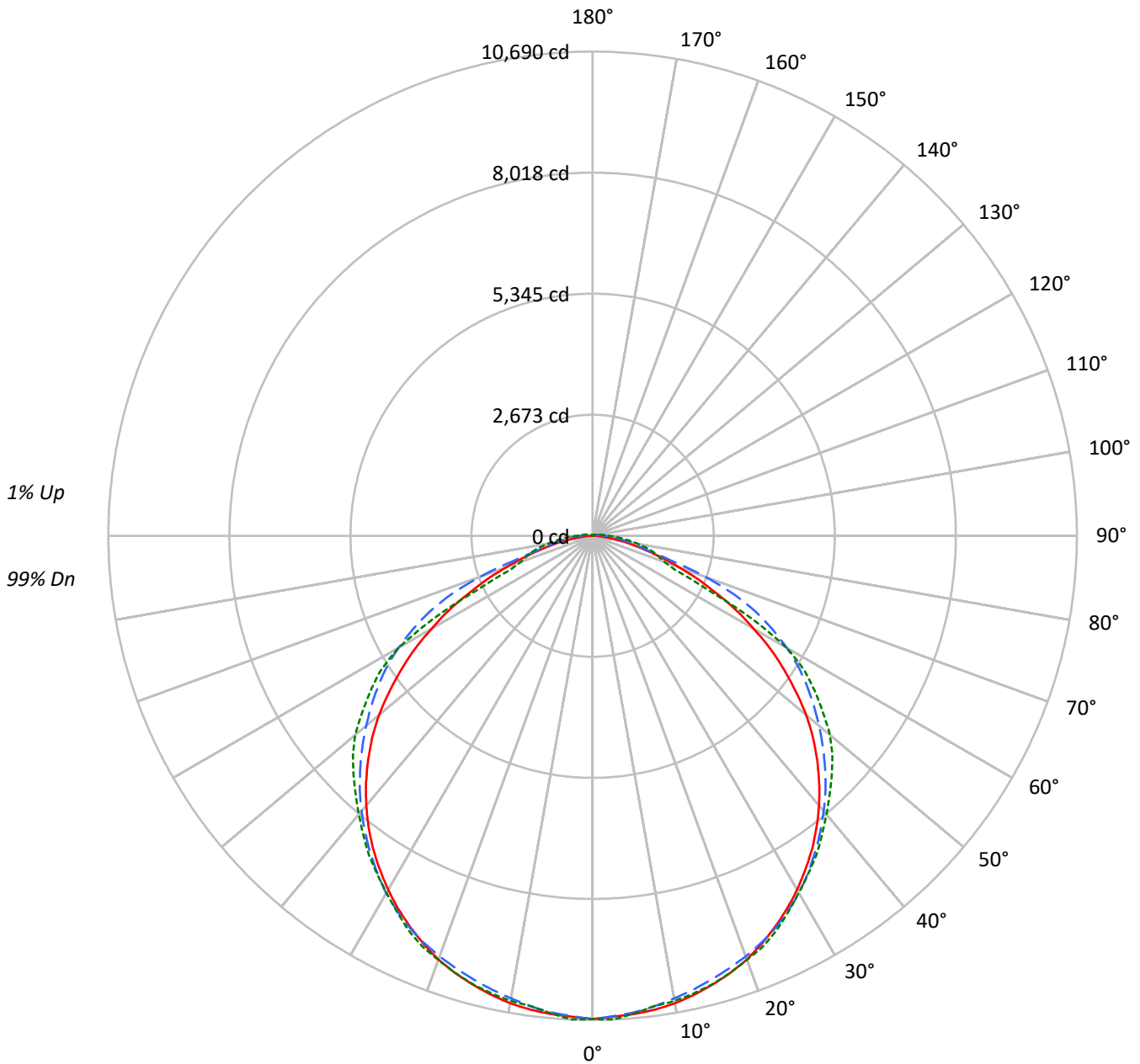
Lumens per Lamp: N/A
Luminaire Lumens: 30155.0 lumens
Efficiency: N/A
Efficacy: 166.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 1.93' x H: 0.17')
CIE Type: Direct

Input Watts (W): 181
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	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°	35640	35640	35640
5°	35277	35015	35173
10°	35019	34381	34760
15°	34666	33882	34505
20°	34311	33529	34177
25°	33759	33170	33850
30°	33165	32665	33185
35°	32476	31926	32806
40°	31617	31160	32297
45°	30480	30286	32052
50°	28992	29298	31761
55°	26741	28305	30534
60°	23862	26913	28181
65°	20191	24493	17821
70°	15958	18875	12883
75°	11629	11000	13020
80°	7713	8885	12346
85°	3961	7717	11422



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1006.0	3.3
10°-20°	2884.7	9.6
20°-30°	4405.8	14.6
30°-40°	5345.7	17.7
40°-50°	5602.8	18.6
50°-60°	5077.0	16.8
60°-70°	3403.9	11.3
70°-80°	1528.5	5.1
80°-90°	554.7	1.8
90°-100°	167.0	0.6
100°-110°	78.8	0.3
110°-120°	39.5	0.1
120°-130°	21.8	0.1
130°-140°	15.0	0.0
140°-150°	10.1	0.0
150°-160°	7.5	0.0
160°-170°	4.8	0.0
170°-180°	1.5	0.0
0°-30°	8296.4	27.5
0°-40°	13642.2	45.2
0°-60°	24322.0	80.7
0°-90°	29809.1	98.9
90°-120°	285.2	0.9
90°-150°	332.0	1.1
90°-180°	346.0	1.1
0°-180°	30155.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10669	10669	10669	10669	10669	
5°	10599	10636	10562	10595	10581	###
15°	10255	10215	10143	10232	10245	2896
25°	9527	9486	9552	9640	9612	4392
35°	8444	8464	8551	8642	8608	5278
45°	7008	7122	7255	7440	7463	5399
55°	5157	5405	5774	6006	5992	4603
65°	3027	3500	3974	3354	2738	3016
75°	1191	1728	1271	1300	1385	1301
85°	205	393	504	609	639	250
90°	2	131	261	327	342	12
95°	2	82	179	218	224	2
105°	6	36	88	106	111	7
115°	12	18	45	57	60	11
125°	11	12	28	32	34	11
135°	14	15	17	25	26	11
145°	14	15	15	17	18	9
155°	15	17	17	17	15	7
165°	17	17	17	17	17	5
175°	17	17	15	14	14	2
180°	15	15	15	15	15	



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CATALOG NUMBER: OHB-30SE-A-UNV-L735-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10668.9	10668.9	10668.9	10668.9	10668.9
2.5°	10625.7	10670.4	10614.9	10675.0	10690.5
5°	10599.4	10636.5	10562.4	10594.8	10580.9
7.5°	10551.6	10564.0	10476.0	10502.3	10474.5
10°	10480.7	10474.5	10371.1	10422.0	10428.2
12.5°	10375.8	10357.3	10264.7	10341.8	10343.4
15°	10255.4	10215.3	10142.8	10232.3	10244.6
17.5°	10116.6	10064.2	10016.3	10132.0	10113.5
20°	9954.6	9892.9	9883.7	10010.2	9963.9
22.5°	9754.1	9706.3	9727.9	9848.2	9818.9
25°	9527.3	9485.7	9552.0	9639.9	9612.2
27.5°	9288.2	9263.5	9339.1	9407.0	9353.0
30°	9026.0	9012.1	9112.3	9167.9	9100.0
32.5°	8740.6	8745.2	8840.8	8916.4	8853.2
35°	8444.4	8464.4	8550.8	8641.8	8607.9
37.5°	8118.9	8163.6	8250.0	8353.4	8317.9
40°	7774.9	7839.7	7935.3	8060.3	8027.9
42.5°	7403.1	7484.9	7608.3	7747.1	7744.0
45°	7008.2	7122.3	7255.0	7440.1	7463.3
47.5°	6597.9	6725.9	6894.0	7140.9	7176.3
50°	6152.0	6312.5	6522.3	6818.4	6840.0
52.5°	5655.3	5874.4	6152.0	6435.9	6409.6
55°	5157.0	5405.4	5774.1	6005.5	5991.6
57.5°	4660.3	4939.5	5386.9	5551.9	5550.4
60°	4105.0	4458.2	4947.2	5072.2	4948.8
62.5°	3591.3	3970.7	4478.3	4387.3	3964.6
65°	3026.7	3500.2	3973.8	3353.7	2738.2
67.5°	2525.3	3018.9	3375.3	2297.0	1966.9
70°	2020.9	2565.4	2631.7	1704.6	1681.5
72.5°	1573.5	2153.5	1815.7	1459.3	1533.4
75°	1190.9	1727.8	1271.1	1300.4	1385.3
77.5°	868.5	1326.7	988.8	1140.0	1209.4
80°	597.0	939.5	806.8	958.0	1005.8
82.5°	374.9	620.1	646.4	771.3	820.7
85°	205.2	393.4	504.4	609.3	638.7
87.5°	84.8	237.6	385.7	470.5	495.2
90°	1.5	131.1	260.7	327.0	342.5
92.5°	1.5	100.3	212.9	263.8	274.6
95°	1.5	81.8	178.9	217.5	223.7
97.5°	3.1	64.8	149.6	180.5	186.7
100°	4.6	54.0	125.0	151.2	155.8
102.5°	6.2	43.2	104.9	126.5	131.1
105°	6.2	35.5	87.9	106.4	111.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	10.8	21.6	52.4	66.3	69.4
115°	12.3	18.5	44.7	57.1	60.2
117.5°	12.3	15.4	38.6	47.8	50.9
120°	12.3	13.9	33.9	41.7	43.2
122.5°	12.3	12.3	29.3	37.0	38.6
125°	10.8	12.3	27.8	32.4	33.9
127.5°	12.3	12.3	24.7	29.3	30.9
130°	12.3	13.9	21.6	27.8	27.8
132.5°	13.9	15.4	20.1	26.2	26.2
135°	13.9	15.4	17.0	24.7	26.2
137.5°	15.4	15.4	15.4	23.1	24.7
140°	15.4	15.4	13.9	20.1	21.6
142.5°	13.9	15.4	13.9	18.5	20.1
145°	13.9	15.4	15.4	17.0	18.5
147.5°	15.4	15.4	15.4	15.4	17.0
150°	15.4	15.4	15.4	15.4	15.4
152.5°	15.4	15.4	15.4	15.4	15.4
155°	15.4	17.0	17.0	17.0	15.4
157.5°	15.4	17.0	17.0	17.0	17.0
160°	15.4	17.0	17.0	17.0	17.0
162.5°	17.0	17.0	17.0	17.0	17.0
165°	17.0	17.0	17.0	17.0	17.0
167.5°	17.0	18.5	17.0	17.0	17.0
170°	17.0	17.0	17.0	15.4	15.4
172.5°	17.0	17.0	17.0	15.4	15.4
175°	17.0	17.0	15.4	13.9	13.9
177.5°	18.5	17.0	15.4	13.9	12.3
180°	15.4	15.4	15.4	15.4	15.4



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	7.7	29.3	75.6	91.0	94.1
110°	9.3	24.7	63.2	77.1	80.2



(END OF REPORT)