

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: P829424

Luminaire Tested: **OHB-30SE-NL-UNV-L835-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829424
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: OHB-30SE-NL-UNV-L835-CD
Description: 30000 LUMEN OHB SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

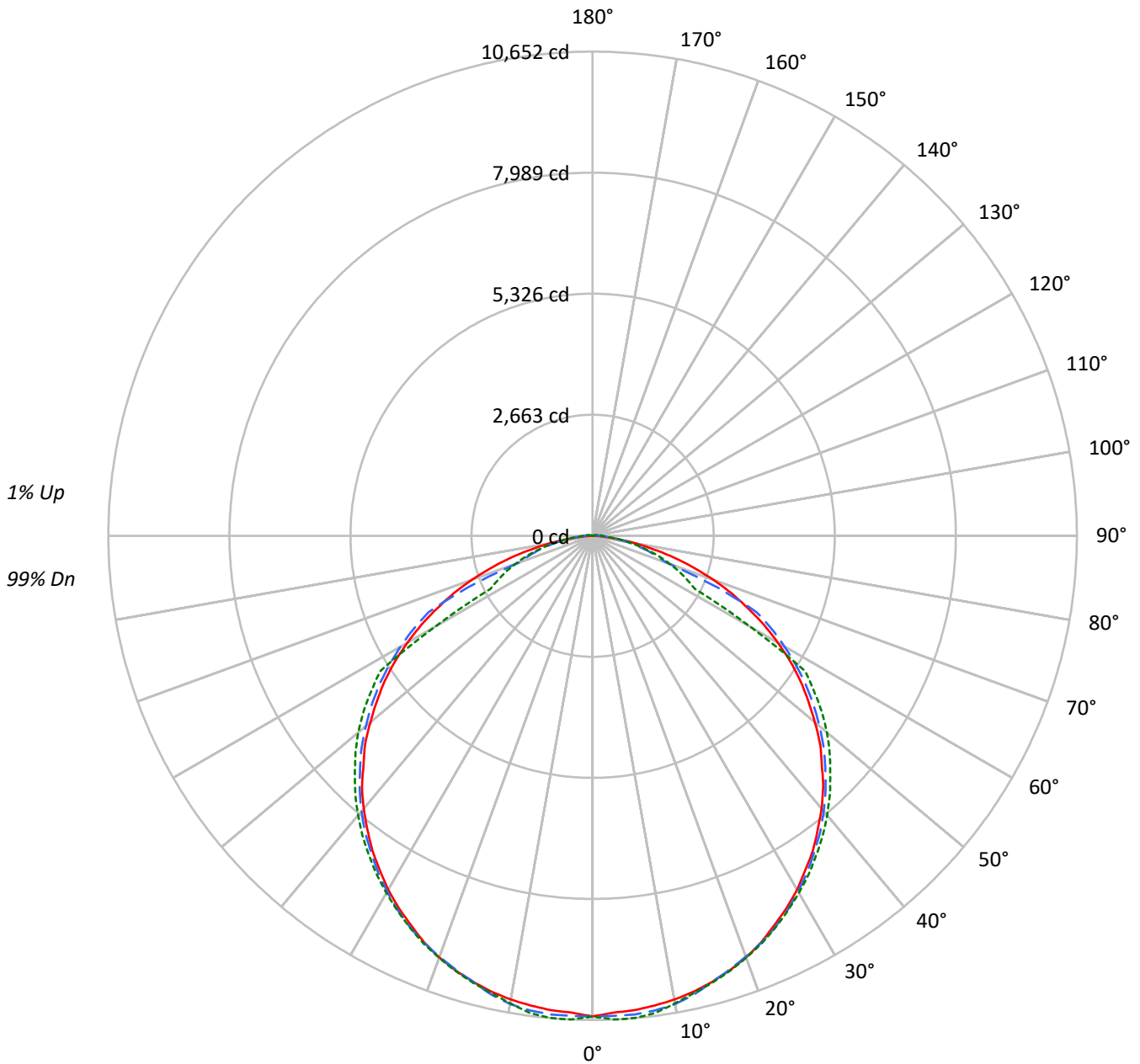
Lumens per Lamp: N/A
Luminaire Lumens: 29689.0 lumens
Efficiency: N/A
Efficacy: 164.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.67' x L: 1.93' x H: 0')
CIE Type: Direct

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	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°	35324	35324	35324
5°	35129	35447	35714
10°	35139	35473	35429
15°	35133	35127	35203
20°	35085	35032	35117
25°	34845	35023	35050
30°	34684	34863	34999
35°	34459	34648	34973
40°	34161	34485	34995
45°	33668	34177	34922
50°	33161	33837	34955
55°	32527	33370	34570
60°	31438	32553	26913
65°	29743	31474	18113
70°	27510	16707	17579
75°	23996	15877	16788
80°	18452	14565	15384
85°	9314	14722	15074



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1004.6	3.4
10°-20°	2876.5	9.7
20°-30°	4376.8	14.7
30°-40°	5321.6	17.9
40°-50°	5595.4	18.8
50°-60°	5109.3	17.2
60°-70°	3275.3	11.0
70°-80°	1547.2	5.2
80°-90°	429.0	1.4
90°-100°	113.6	0.4
100°-110°	31.1	0.1
110°-120°	8.6	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°	8257.9	27.8
0°-40°	13579.5	45.7
0°-60°	24284.1	81.8
0°-90°	29535.7	99.5
90°-120°	153.3	0.5
90°-150°	153.3	0.5
90°-180°	153.0	0.5
0°-180°	29689.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10574	10574	10574	10574	10574	
5°	10476	10517	10571	10628	10650	996
15°	10159	10235	10157	10172	10179	2868
25°	9454	9468	9502	9517	9509	4362
35°	8450	8400	8496	8600	8576	5281
45°	7127	7114	7234	7405	7392	5509
55°	5585	5542	5730	5921	5936	4981
65°	3763	3763	3982	2284	2292	3731
75°	1859	1894	1230	1295	1301	1960
85°	243	308	384	416	393	359
90°	0	104	171	202	199	11
95°	6	54	123	165	165	3
105°	9	20	30	30	28	9
115°	9	13	18	13	2	7
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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10574.5	10574.5	10574.5	10574.5	10574.5
2.5°	10500.2	10535.6	10574.5	10624.6	10652.2
5°	10476.0	10516.9	10570.7	10628.3	10650.5
7.5°	10424.2	10481.5	10533.6	10574.5	10587.4
10°	10359.2	10427.9	10457.6	10453.8	10444.6
12.5°	10271.9	10344.4	10335.2	10292.4	10299.8
15°	10158.8	10234.8	10157.0	10171.7	10179.2
17.5°	10025.2	10099.5	10008.5	10038.2	10040.1
20°	9869.4	9925.0	9854.5	9878.6	9878.6
22.5°	9682.0	9720.9	9691.2	9707.9	9711.7
25°	9453.7	9468.5	9501.9	9516.8	9509.3
27.5°	9234.9	9216.2	9281.3	9316.4	9297.8
30°	8991.7	8962.0	9038.1	9095.6	9073.4
32.5°	8713.3	8694.9	8782.1	8850.6	8837.7
35°	8449.9	8399.8	8496.3	8600.2	8576.0
37.5°	8138.1	8108.5	8217.9	8327.5	8314.6
40°	7833.8	7783.8	7908.1	8038.0	8025.0
42.5°	7507.4	7447.8	7583.4	7739.4	7724.4
45°	7126.8	7113.9	7234.5	7405.2	7392.2
47.5°	6789.3	6724.3	6893.1	7058.3	7073.2
50°	6380.9	6357.0	6511.0	6711.4	6726.1
52.5°	5982.2	5965.5	6126.7	6329.1	6355.0
55°	5584.9	5542.3	5729.7	5920.9	5935.8
57.5°	5160.2	5115.6	5306.8	5514.6	5546.0
60°	4705.5	4662.8	4872.4	5065.5	4028.3
62.5°	4250.9	4221.2	4440.3	3145.1	2534.7
65°	3762.9	3762.9	3981.8	2284.1	2291.5
67.5°	3306.6	3276.9	2968.9	2052.1	2052.1
70°	2816.6	2827.8	1710.6	1798.1	1799.8
72.5°	2324.9	2365.8	1477.1	1547.4	1551.1
75°	1859.2	1894.5	1230.1	1295.2	1300.7
77.5°	1365.7	1050.2	988.9	1039.2	1041.0
80°	959.2	662.4	757.1	805.2	799.7
82.5°	560.3	463.8	554.8	590.1	588.2
85°	243.0	308.0	384.1	415.7	393.3
87.5°	77.8	191.1	239.3	257.9	256.0
90°	0.0	103.9	170.7	202.1	198.6
92.5°	0.0	81.5	148.5	185.6	187.4
95°	5.5	53.8	122.6	165.2	165.2
97.5°	3.7	38.9	87.2	129.9	133.6
100°	3.7	31.4	57.6	92.7	94.7
102.5°	9.2	25.9	35.2	59.3	61.3
105°	9.2	20.4	29.7	29.7	27.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	11.2	14.9	20.4	14.9	1.8
115°	9.2	13.0	18.5	13.0	1.8
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°	9.2	18.5	25.9	16.7	5.5
110°	11.2	16.7	22.2	14.9	1.8



(END OF REPORT)