

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: P829263

Luminaire Tested: **OHB-24SE-N-UNV-L730-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829263
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHB-24SE-N-UNV-L730-CD
Description: 24000 LUMEN OHB SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

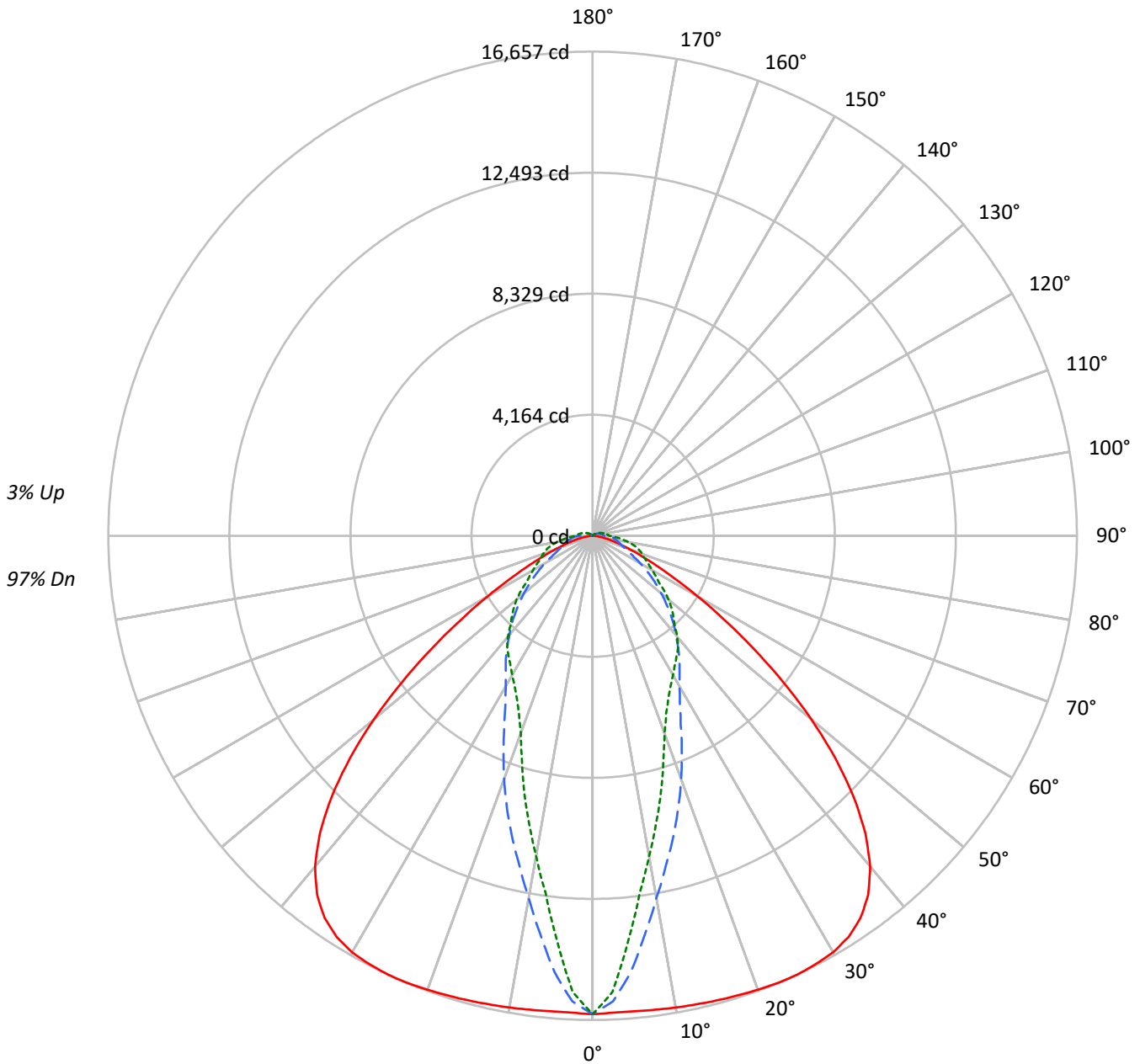
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24286.0 lumens
Efficiency: N/A
Efficacy: 165.7 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 1.93' x H: 0.17')
CIE Type: Direct

Input Watts (W): 146.6
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				20				
RC	80				70				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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	85	85	85	85	82
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	73	71
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	64	62
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	56	54
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	50	48
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	45	43
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	41	39
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	37	35
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	34	32
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	54969	54969	54969
5°	54656	49929	46542
10°	55070	41949	37320
15°	55935	35784	30631
20°	57283	30176	24775
25°	59023	24908	21708
30°	60796	21395	20166
35°	61766	19437	19213
40°	60387	17496	18227
45°	55219	15749	16875
50°	46261	13852	15839
55°	34855	12068	14094
60°	24170	10283	13493
65°	16037	8784	13210
70°	10746	8155	13859
75°	7248	8281	14807
80°	4754	8951	15244
85°	2509	10709	15991



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1385.2	5.7
10°-20°	3258.5	13.4
20°-30°	4084.5	16.8
30°-40°	4334.1	17.8
40°-50°	3918.8	16.1
50°-60°	2841.4	11.7
60°-70°	1783.1	7.3
70°-80°	1180.0	4.9
80°-90°	679.8	2.8
90°-100°	329.3	1.4
100°-110°	227.3	0.9
110°-120°	140.3	0.6
120°-130°	67.9	0.3
130°-140°	31.3	0.1
140°-150°	17.1	0.1
150°-160°	7.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	8728.2	35.9
0°-40°	13062.4	53.8
0°-60°	19822.5	81.6
0°-90°	23465.4	96.6
90°-120°	696.9	2.9
90°-150°	813.2	3.3
90°-180°	821.0	3.4
0°-180°	24286.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16455	16455	16455	16455	16455	
5°	16422	16001	15061	14363	14001	###
15°	16548	13487	10712	9527	9094	4693
25°	16657	10429	7173	6366	6164	7695
35°	16060	6933	5206	5043	5041	9984
45°	12696	4391	3773	3864	3929	9672
55°	6722	2722	2462	2670	2766	6073
65°	2404	1579	1425	1826	2030	2502
75°	742	850	957	1486	1576	827
85°	130	352	700	974	894	156
90°	0	147	406	572	576	8
95°	6	103	357	486	507	6
105°	12	69	260	344	354	13
115°	17	48	175	219	224	17
125°	19	25	89	113	111	16
135°	16	19	39	61	61	12
145°	19	20	24	36	34	11
155°	19	24	25	27	24	6
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°	16455.1	16455.1	16455.1	16455.1	16455.1
2.5°	16420.6	16326.6	16033.8	15855.2	15704.9
5°	16422.2	16000.9	15061.2	14362.7	14001.0
7.5°	16445.7	15509.1	13816.2	12796.6	12398.8
10°	16481.7	14899.9	12654.1	11567.2	11196.1
12.5°	16508.3	14214.0	11631.5	10514.8	10107.6
15°	16547.5	13487.3	10712.2	9526.6	9094.4
17.5°	16583.5	12802.9	9803.8	8565.0	8084.2
20°	16619.5	12065.3	8895.5	7619.1	7222.9
22.5°	16654.0	11286.9	8009.1	6884.6	6613.7
25°	16657.1	10428.7	7172.8	6366.2	6164.2
27.5°	16616.4	9539.1	6494.6	5932.4	5807.1
30°	16545.9	8676.2	5968.4	5619.2	5529.9
32.5°	16370.5	7796.1	5561.2	5316.9	5265.2
35°	16060.4	6933.1	5205.7	5042.9	5041.3
37.5°	15571.8	6167.3	4820.5	4792.3	4826.7
40°	14849.8	5497.0	4455.6	4530.7	4530.7
42.5°	13886.6	4914.4	4125.1	4201.9	4181.5
45°	12696.4	4391.4	3772.7	3863.6	3929.4
47.5°	11316.7	3930.9	3412.5	3587.9	3678.8
50°	9816.3	3492.4	3083.7	3307.6	3411.0
52.5°	8244.0	3086.8	2762.6	3019.4	3102.5
55°	6721.7	2721.9	2461.9	2670.2	2765.7
57.5°	5343.5	2374.2	2167.5	2364.8	2562.1
60°	4158.0	2075.1	1890.3	2172.2	2369.5
62.5°	3176.1	1808.9	1630.3	1992.1	2189.4
65°	2404.0	1578.6	1425.2	1826.1	2029.7
67.5°	1812.0	1379.7	1265.4	1705.5	1904.4
70°	1360.9	1187.1	1137.0	1630.3	1808.9
72.5°	1005.4	1010.1	1035.2	1564.5	1700.8
75°	742.3	850.4	956.9	1486.2	1575.5
77.5°	530.9	704.7	886.4	1392.3	1423.6
80°	368.0	574.8	812.8	1268.5	1241.9
82.5°	230.2	460.4	747.0	1132.3	1058.7
85°	130.0	352.4	700.0	974.1	894.2
87.5°	57.9	263.1	612.3	759.6	709.4
90°	0.0	147.2	405.6	571.6	576.3
92.5°	3.1	122.2	374.3	523.1	538.7
95°	6.3	103.4	357.1	485.5	507.4
97.5°	7.8	90.8	335.1	451.0	469.8
100°	9.4	81.4	308.5	415.0	430.7
102.5°	11.0	75.2	283.5	377.4	390.0
105°	12.5	68.9	260.0	344.5	353.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	15.7	53.2	195.8	247.4	255.3
115°	17.2	48.5	175.4	219.3	224.0
117.5°	18.8	42.3	153.5	192.6	194.2
120°	18.8	37.6	131.6	164.4	164.4
122.5°	18.8	31.3	109.6	136.3	134.7
125°	18.8	25.1	89.3	112.8	111.2
127.5°	17.2	20.4	72.0	94.0	92.4
130°	17.2	20.4	57.9	79.9	79.9
132.5°	15.7	18.8	47.0	68.9	68.9
135°	15.7	18.8	39.2	61.1	61.1
137.5°	15.7	20.4	32.9	53.2	53.2
140°	15.7	18.8	28.2	47.0	47.0
142.5°	17.2	18.8	25.1	40.7	40.7
145°	18.8	20.4	23.5	36.0	34.5
147.5°	18.8	21.9	23.5	31.3	29.8
150°	18.8	23.5	23.5	28.2	26.6
152.5°	18.8	23.5	23.5	26.6	25.1
155°	18.8	23.5	25.1	26.6	23.5
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°	12.5	64.2	238.0	308.5	319.5
110°	14.1	57.9	217.7	275.6	286.6



(END OF REPORT)