

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: P826486

Luminaire Tested: **OHBL-15SE-N-UNV-L830-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826486
REPORT IS A COMBINATION OF REPORTS P826224 AND G3-2310-221-6
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-15SE-N-UNV-L830-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

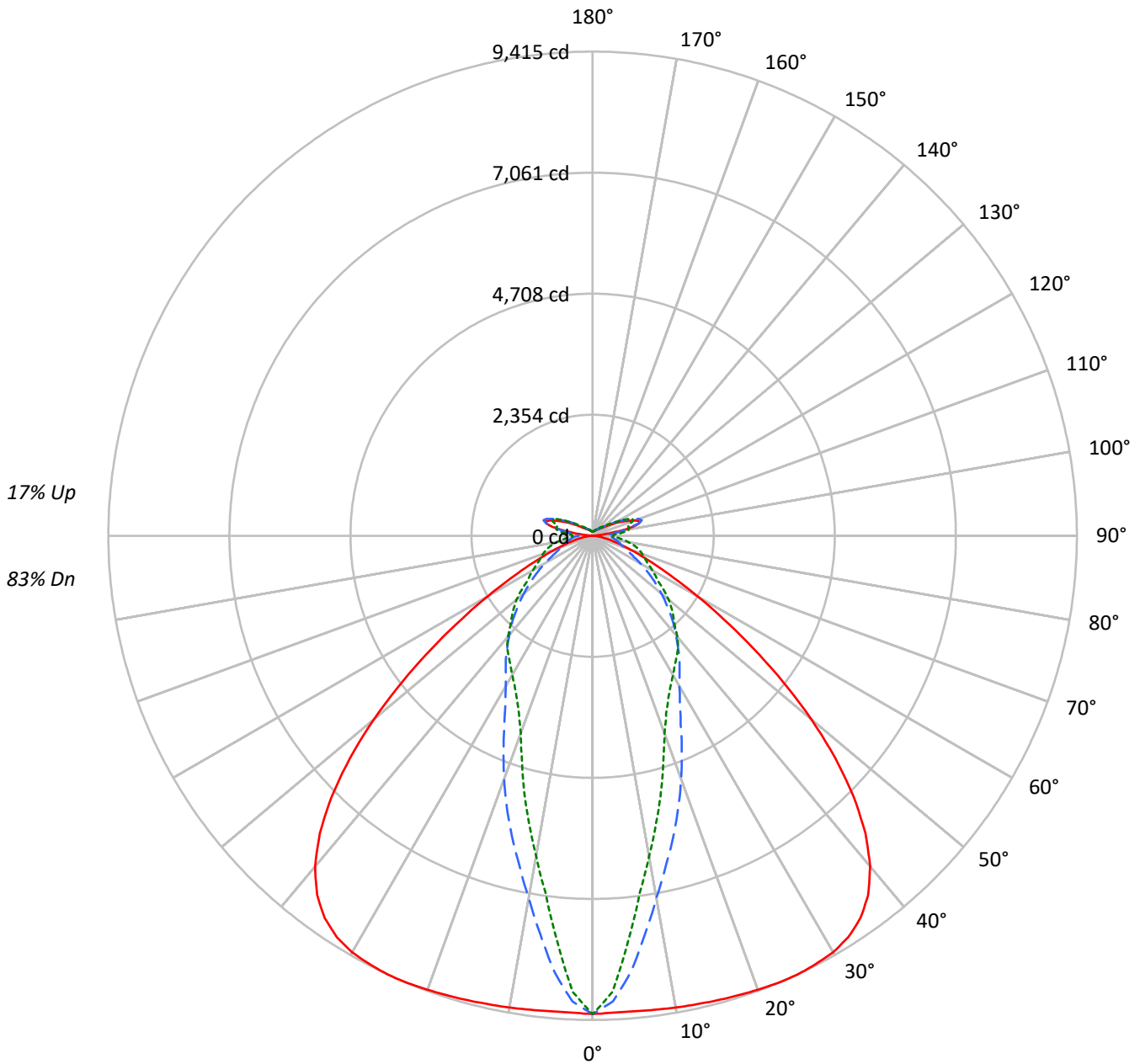
Lumens per Lamp: N/A
Luminaire Lumens: 15978.9 lumens
Efficiency: N/A
Efficacy: 153.1 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 104.4
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					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	115	115	115	115	110	110	110	110	102	102	102	94	94	94	86	86	86	83				
1	106	101	97	94	101	97	94	91	90	87	85	83	81	79	77	76	74	71				
2	97	90	84	78	93	86	81	76	80	76	72	74	71	68	69	66	64	61				
3	89	80	73	67	86	77	70	65	72	66	62	67	62	59	62	59	56	53				
4	83	72	64	58	79	69	62	57	65	59	54	61	56	52	57	53	49	47				
5	76	65	57	51	73	63	55	50	59	53	48	55	50	46	52	47	44	41				
6	71	59	51	45	68	57	50	44	54	47	43	51	45	41	48	43	39	37				
7	66	54	46	40	64	52	45	40	49	43	38	47	41	37	44	39	36	34				
8	62	50	42	37	60	48	41	36	46	39	35	43	38	34	41	36	32	30				
9	58	46	38	33	56	45	38	33	42	36	32	40	35	31	38	33	30	28				
10	55	43	35	30	53	41	35	30	39	33	29	37	32	28	36	31	27	26				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	30258	30258	30258
5°	29815	27403	25744
10°	29774	22956	20744
15°	29971	19525	17111
20°	30412	16416	13911
25°	31038	13508	12254
30°	31650	11565	11450
35°	31809	10469	10978
40°	30732	9389	10488
45°	27733	8415	9787
50°	22885	7365	9271
55°	16940	6381	8341
60°	11497	5400	8096
65°	7426	4574	8068
70°	4803	4199	8674
75°	3083	4198	9611
80°	1873	4435	10520
85°	863	5100	12547



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	782.9	4.9
10°-20°	1841.7	11.5
20°-30°	2308.6	14.4
30°-40°	2449.7	15.3
40°-50°	2214.9	13.9
50°-60°	1606.0	10.1
60°-70°	1007.8	6.3
70°-80°	666.9	4.2
80°-90°	390.0	2.4
90°-100°	401.9	2.5
100°-110°	877.5	5.5
110°-120°	721.8	4.5
120°-130°	346.6	2.2
130°-140°	171.9	1.1
140°-150°	99.0	0.6
150°-160°	56.3	0.4
160°-170°	27.0	0.2
170°-180°	8.2	0.1
0°-30°	4933.3	30.9
0°-40°	7383.0	46.2
0°-60°	11203.9	70.1
0°-90°	13268.6	83.0
90°-120°	2001.2	12.5
90°-150°	2618.8	16.4
90°-180°	2710.0	17.0
0°-180°	15978.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9300	9300	9300	9300	9300	
5°	9282	9044	8513	8118	7913	887
15°	9353	7623	6055	5384	5140	2652
25°	9415	5894	4054	3598	3484	4349
35°	9078	3919	2942	2850	2849	5643
45°	7176	2482	2132	2184	2221	5467
55°	3799	1538	1392	1509	1563	3433
65°	1359	892	806	1032	1147	1414
75°	420	481	541	840	890	468
85°	74	199	396	551	506	88
90°	5	115	273	381	390	8
95°	53	162	362	487	527	156
105°	940	962	932	754	714	893
115°	654	678	750	772	770	659
125°	325	345	388	401	397	304
135°	195	200	218	233	235	154
145°	146	150	155	163	163	92
155°	119	123	126	128	126	54
165°	93	94	95	95	95	27
175°	84	85	85	86	86	8
180°	84	84	84	84	84	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9300.5	9300.5	9300.5	9300.5	9300.5
2.5°	9281.1	9227.9	9062.4	8961.5	8876.5
5°	9281.9	9043.8	8512.7	8117.9	7913.4
7.5°	9295.2	8765.8	7809.0	7232.7	7007.9
10°	9315.6	8421.5	7152.2	6537.9	6328.2
12.5°	9330.6	8033.9	6574.2	5943.1	5712.9
15°	9352.7	7623.1	6054.6	5384.5	5140.2
17.5°	9373.1	7236.3	5541.2	4841.0	4569.3
20°	9393.5	6819.4	5027.8	4306.3	4082.4
22.5°	9412.9	6379.4	4526.8	3891.2	3738.1
25°	9414.7	5894.4	4054.1	3598.3	3484.0
27.5°	9391.7	5391.6	3670.9	3353.1	3282.3
30°	9351.9	4903.8	3373.4	3176.0	3125.6
32.5°	9252.7	4406.4	3143.2	3005.1	2975.9
35°	9077.5	3918.7	2942.3	2850.3	2849.4
37.5°	8801.3	3485.8	2724.6	2708.7	2728.1
40°	8393.2	3106.9	2518.4	2560.8	2560.8
42.5°	7848.9	2777.7	2331.5	2375.0	2363.4
45°	7176.1	2482.1	2132.4	2183.7	2220.9
47.5°	6396.3	2221.8	1928.8	2028.0	2079.2
50°	5548.3	1973.9	1742.9	1869.5	1927.9
52.5°	4659.6	1744.7	1561.5	1706.6	1753.5
55°	3799.2	1538.4	1391.5	1509.2	1563.2
57.5°	3020.2	1342.0	1225.1	1336.6	1448.1
60°	2350.1	1172.9	1068.4	1227.8	1339.3
62.5°	1795.1	1022.4	921.4	1126.0	1237.5
65°	1358.7	892.2	805.5	1032.1	1147.2
67.5°	1024.2	779.8	715.2	964.0	1076.4
70°	769.2	670.9	642.6	921.4	1022.4
72.5°	568.3	570.9	585.1	884.3	961.3
75°	419.6	480.6	540.8	840.0	890.4
77.5°	300.1	398.4	501.0	786.9	804.7
80°	208.0	324.9	459.4	717.0	701.9
82.5°	130.1	260.3	422.2	639.9	598.3
85°	73.5	199.1	395.7	550.6	505.5
87.5°	32.8	148.7	346.1	429.3	401.0
90°	4.7	114.8	273.0	380.8	390.0
92.5°	17.6	110.9	278.5	390.6	411.5
95°	52.9	161.7	361.9	486.6	526.9
97.5°	254.8	322.2	480.7	607.7	649.0
100°	519.0	591.4	614.5	699.9	717.1
102.5°	800.0	831.6	735.3	728.8	728.5
105°	940.4	962.1	932.3	754.0	713.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	760.7	793.1	858.8	866.6	841.3
115°	653.7	677.9	749.6	772.5	769.6
117.5°	561.5	575.7	642.3	663.5	665.3
120°	466.6	487.4	548.9	562.9	557.3
122.5°	393.1	411.3	461.2	474.4	467.9
125°	325.1	345.4	388.2	400.6	396.9
127.5°	275.9	289.8	328.3	341.6	339.7
130°	241.5	250.7	281.2	294.5	295.5
132.5°	214.5	222.8	245.2	261.4	260.5
135°	195.0	200.4	218.5	232.7	234.6
137.5°	179.1	184.6	197.3	211.5	211.5
140°	165.2	170.7	180.6	193.1	194.0
142.5°	154.0	158.6	165.8	176.5	176.5
145°	145.5	150.2	154.8	162.8	162.8
147.5°	137.2	142.7	145.4	151.7	150.8
150°	130.6	135.2	138.0	141.5	141.6
152.5°	124.1	128.7	131.5	134.2	133.3
155°	118.6	123.1	125.8	127.7	125.9
157.5°	103.3	105.2	107.0	107.9	107.9
160°	99.6	100.5	102.4	103.3	103.3
162.5°	95.8	96.8	97.7	98.6	98.6
165°	93.1	94.0	94.9	94.9	94.9
167.5°	90.3	90.3	91.2	92.1	92.1
170°	87.5	88.4	88.4	89.3	89.3
172.5°	85.6	86.5	86.5	86.5	87.5
175°	83.8	84.7	84.7	85.6	85.6
177.5°	83.8	83.8	83.8	83.8	83.8
180°	83.8	83.8	83.8	83.8	83.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	944.1	977.1	1002.8	852.8	745.5
110°	872.5	905.6	954.0	915.1	830.1



(END OF REPORT)