

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: P826490

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826490
REPORT IS A COMBINATION OF REPORTS P826226 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-W-UNV-L830-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

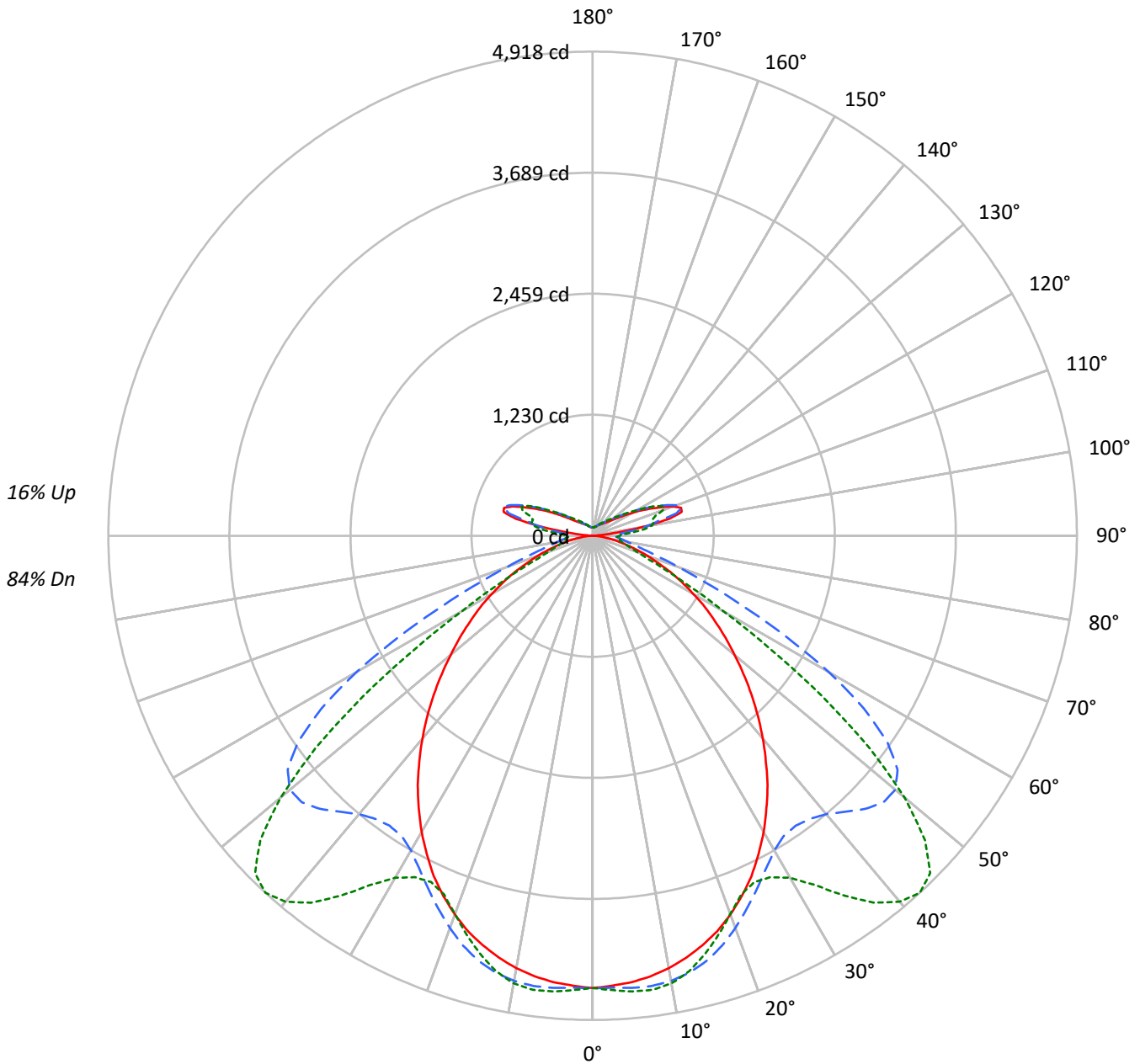
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16006.7 lumens
Efficiency: N/A
Efficacy: 153.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
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									
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	115	115	115	115	111	111	111	111	102	102	102	95	95	95	87	87	87	84																			
1	106	101	97	93	101	97	94	90	90	87	85	84	81	79	78	76	74	71																			
2	96	88	82	77	92	85	79	74	79	74	70	74	70	66	68	65	63	60																			
3	88	78	70	64	84	75	68	62	70	64	59	65	60	56	61	57	53	50																			
4	80	69	60	54	77	66	59	53	62	55	50	58	52	48	54	49	46	43																			
5	74	61	53	46	70	59	51	45	55	48	43	52	46	41	48	43	40	37																			
6	68	55	46	40	65	53	45	39	50	43	38	47	41	36	44	39	35	32																			
7	63	50	41	35	60	48	40	34	45	38	33	42	36	32	40	34	31	28																			
8	58	45	37	31	56	44	36	30	41	34	29	39	33	28	36	31	27	25																			
9	54	41	33	28	52	40	32	27	38	31	26	35	30	25	33	28	24	22																			
10	51	38	30	25	49	37	29	25	35	28	24	33	27	23	31	26	22	20																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14945	14945	14945
5°	14619	14842	15115
10°	14255	14738	15133
15°	13800	14414	14648
20°	13249	13840	13931
25°	12579	13166	13651
30°	11757	12647	14690
35°	10853	12795	17190
40°	9845	13756	19873
45°	8813	15476	21361
50°	7759	16954	19878
55°	6770	16748	15189
60°	5780	13981	9287
65°	4761	9494	5625
70°	3663	6003	4061
75°	2577	4171	3766
80°	1634	3492	4248
85°	874	3526	6716



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	439.0	2.7
10°-20°	1243.1	7.8
20°-30°	1819.0	11.4
30°-40°	2362.4	14.8
40°-50°	2884.8	18.0
50°-60°	2540.5	15.9
60°-70°	1323.9	8.3
70°-80°	567.7	3.5
80°-90°	278.4	1.7
90°-100°	343.8	2.1
100°-110°	828.6	5.2
110°-120°	689.6	4.3
120°-130°	333.8	2.1
130°-140°	167.1	1.0
140°-150°	95.6	0.6
150°-160°	54.3	0.3
160°-170°	27.0	0.2
170°-180°	8.2	0.1
0°-30°	3501.1	21.9
0°-40°	5863.5	36.6
0°-60°	11288.8	70.5
0°-90°	13458.7	84.1
90°-120°	1862.1	11.6
90°-150°	2458.5	15.4
90°-180°	2548.0	15.9
0°-180°	16006.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4594	4594	4594	4594	4594	
5°	4551	4586	4611	4651	4646	432
15°	4306	4427	4470	4436	4400	1213
25°	3816	4020	3952	3877	3881	1751
35°	3097	3424	3596	4193	4462	1930
45°	2280	2869	3922	4748	4847	1758
55°	1518	2513	3652	3202	2846	1363
65°	871	1741	1672	930	800	862
75°	351	815	537	368	349	383
85°	74	290	274	268	271	83
90°	6	137	224	264	275	9
95°	51	165	304	381	414	155
105°	937	958	878	671	628	890
115°	650	670	708	719	715	656
125°	322	341	372	380	379	301
135°	192	196	212	225	228	152
145°	143	145	148	155	158	91
155°	116	118	118	119	119	53
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°	4593.8	4593.8	4593.8	4593.8	4593.8
2.5°	4574.0	4593.8	4594.7	4622.5	4619.6
5°	4551.2	4585.9	4610.6	4651.3	4646.3
7.5°	4513.5	4568.0	4611.6	4656.2	4652.2
10°	4460.0	4534.3	4591.8	4628.5	4616.6
12.5°	4390.5	4488.7	4545.2	4553.1	4530.3
15°	4306.3	4427.3	4469.9	4436.1	4400.5
17.5°	4211.2	4353.0	4367.7	4294.4	4249.8
20°	4092.3	4253.8	4239.0	4137.9	4088.3
22.5°	3960.4	4144.8	4097.2	3991.2	3943.6
25°	3815.7	4019.9	3951.5	3877.2	3881.2
27.5°	3646.3	3878.2	3811.7	3845.5	3908.9
30°	3473.9	3729.5	3688.9	3885.2	4010.0
32.5°	3284.5	3576.9	3613.5	4001.1	4205.3
35°	3097.2	3424.3	3595.8	4193.4	4461.9
37.5°	2890.0	3269.7	3624.4	4415.4	4696.9
40°	2688.8	3119.0	3689.8	4614.6	4852.5
42.5°	2483.7	2984.2	3799.9	4732.5	4917.9
45°	2280.5	2869.3	3921.8	4748.3	4847.4
47.5°	2077.4	2772.1	4006.0	4622.5	4576.9
50°	1881.1	2685.9	4012.0	4320.2	4133.9
52.5°	1697.8	2606.6	3902.9	3838.5	3549.1
55°	1518.4	2513.4	3652.2	3202.2	2846.5
57.5°	1354.8	2384.6	3265.7	2518.4	2129.9
60°	1181.4	2210.2	2766.2	1842.5	1536.3
62.5°	1021.8	1993.1	2206.2	1282.5	1104.1
65°	871.2	1741.3	1672.0	929.6	799.8
67.5°	711.6	1480.7	1233.9	677.9	594.6
70°	586.7	1238.8	918.7	527.3	478.7
72.5°	458.9	1008.9	686.8	428.1	401.4
75°	350.8	814.7	537.2	367.7	348.9
77.5°	258.7	644.2	432.2	325.0	307.3
80°	181.4	507.4	361.7	290.4	283.4
82.5°	121.9	392.5	308.2	276.6	277.5
85°	74.4	290.4	273.6	267.6	270.6
87.5°	35.6	206.1	234.9	243.8	246.8
90°	5.7	136.7	224.1	263.8	275.4
92.5°	15.8	122.2	225.6	279.3	296.3
95°	51.3	164.7	303.7	380.7	413.5
97.5°	252.3	321.3	420.1	507.3	540.9
100°	516.6	588.9	555.1	605.0	616.4
102.5°	796.7	827.7	678.2	640.4	634.9
105°	937.3	957.8	878.5	671.3	627.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	757.8	786.9	813.6	806.0	778.2
115°	649.9	670.3	708.0	718.9	715.3
117.5°	557.9	569.7	606.1	617.1	619.0
120°	463.0	481.1	518.2	525.4	520.8
122.5°	389.4	405.5	437.8	446.9	442.3
125°	321.5	341.2	371.5	380.5	378.6
127.5°	272.1	285.2	316.3	327.1	327.2
130°	237.7	245.1	272.3	283.1	286.0
132.5°	211.6	218.1	238.5	252.2	253.2
135°	192.1	195.8	212.2	225.0	227.8
137.5°	176.2	179.0	191.5	204.3	206.2
140°	162.3	166.0	174.7	186.4	188.3
142.5°	151.2	153.9	160.6	170.4	171.4
145°	142.8	144.6	148.4	155.2	158.2
147.5°	134.5	137.3	139.1	144.9	145.9
150°	128.0	129.8	130.6	133.5	136.5
152.5°	121.4	123.3	124.1	125.1	127.0
155°	115.9	117.7	117.6	118.6	118.6
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°	942.0	971.5	951.5	778.5	666.9
110°	869.4	899.7	904.3	848.6	759.3



(END OF REPORT)