

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: P826489

Luminaire Tested: **OHBL-15SE-W-UNV-L830-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826489
REPORT IS A COMBINATION OF REPORTS P826118 AND G3-2310-221-10
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-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

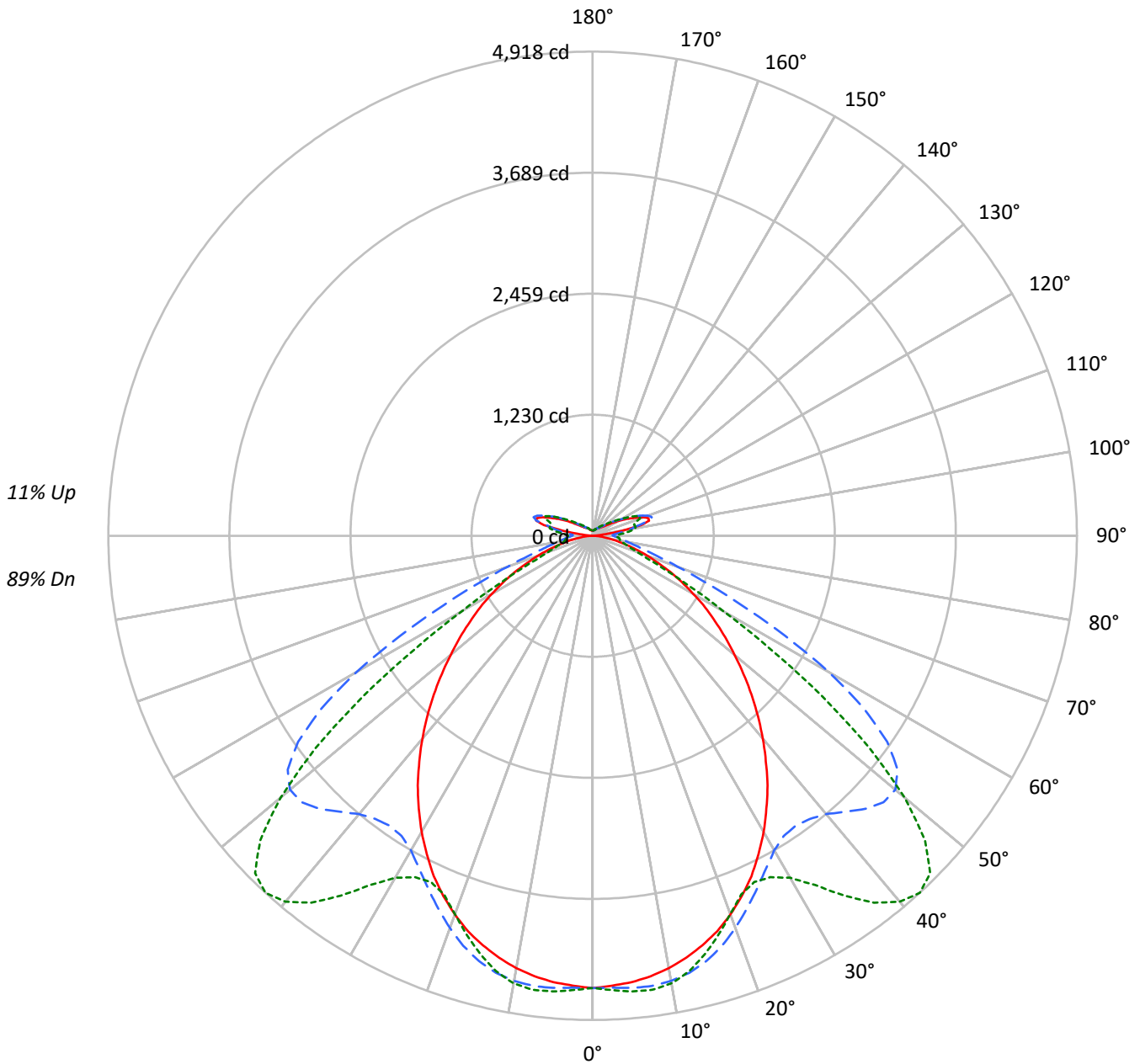
Lumens per Lamp: N/A
Luminaire Lumens: 15168.2 lumens
Efficiency: N/A
Efficacy: 155.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 97.3
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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89			
1	107	102	98	94	103	99	95	92	92	90	87	87	84	82	81	80	78	75			
2	97	89	83	77	94	87	81	76	81	76	72	76	72	69	72	69	66	63			
3	89	79	71	64	85	76	69	63	72	66	61	67	62	58	63	59	56	53			
4	81	70	61	55	78	67	60	54	64	57	52	60	54	50	57	52	48	45			
5	74	62	53	47	72	60	52	46	57	50	44	54	48	43	51	46	41	39			
6	69	56	47	41	66	54	46	40	51	44	39	48	42	37	46	40	36	34			
7	63	50	42	36	61	49	41	35	46	39	34	44	38	33	42	36	32	30			
8	59	46	37	31	57	44	37	31	42	35	30	40	34	29	38	33	29	26			
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24			
10	51	38	30	25	50	37	30	25	36	29	24	34	28	24	32	27	23	21			

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	2.9
10°-20°	1243.1	8.2
20°-30°	1819.0	12.0
30°-40°	2362.4	15.6
40°-50°	2884.8	19.0
50°-60°	2540.5	16.7
60°-70°	1323.9	8.7
70°-80°	567.7	3.7
80°-90°	276.2	1.8
90°-100°	263.6	1.7
100°-110°	549.2	3.6
110°-120°	450.5	3.0
120°-130°	219.2	1.4
130°-140°	109.6	0.7
140°-150°	62.4	0.4
150°-160°	34.9	0.2
160°-170°	17.0	0.1
170°-180°	5.2	0.0
0°-30°	3501.1	23.1
0°-40°	5863.5	38.7
0°-60°	11288.8	74.4
0°-90°	13456.5	88.7
90°-120°	1263.3	8.3
90°-150°	1654.6	10.9
90°-180°	1712.0	11.3
0°-180°	15168.2	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°	4	126	207	242	251	7
95°	28	128	243	301	327	94
105°	593	615	588	462	435	562
115°	412	426	467	478	472	416
125°	203	218	247	255	255	191
135°	122	126	139	152	153	97
145°	93	92	95	103	105	59
155°	76	77	77	77	78	34
165°	59	59	60	60	60	17
175°	53	53	53	54	54	5
180°	53	53	53	53	53	



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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°	3.8	125.5	207.3	241.5	251.2
92.5°	9.3	106.4	201.4	243.9	258.1
95°	28.0	128.4	243.2	300.7	327.0
97.5°	156.4	224.5	318.7	373.3	393.0
100°	316.6	382.4	393.2	432.0	441.5
102.5°	507.3	526.2	463.2	448.7	445.1
105°	593.0	615.4	588.2	461.9	435.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	479.6	504.0	537.2	534.3	519.5
115°	411.7	425.5	467.0	477.9	471.5
117.5°	355.0	364.0	400.4	410.5	409.6
120°	297.3	308.9	338.6	348.6	348.7
122.5°	247.1	259.4	290.8	299.0	299.0
125°	203.3	217.5	246.8	254.9	254.9
127.5°	173.5	181.0	210.2	220.1	219.2
130°	151.1	155.8	179.2	190.0	192.0
132.5°	135.3	139.0	157.5	168.4	171.3
135°	122.3	126.0	138.7	151.5	153.4
137.5°	113.0	114.8	125.4	136.3	139.2
140°	103.7	106.5	113.2	124.0	126.0
142.5°	98.2	99.0	103.8	113.6	114.6
145°	92.6	92.5	95.4	103.1	105.2
147.5°	87.9	88.9	90.7	94.6	96.6
150°	83.3	85.1	84.1	87.0	89.1
152.5°	79.6	80.5	80.4	80.4	83.3
155°	75.8	76.8	76.7	76.7	77.6
157.5°	65.1	66.1	67.0	67.9	67.9
160°	62.3	63.3	64.2	64.2	65.1
162.5°	60.5	61.4	61.4	62.3	62.3
165°	58.6	58.6	59.6	59.6	59.6
167.5°	56.8	56.8	57.7	57.7	58.6
170°	54.9	55.8	55.8	55.8	56.8
172.5°	54.0	54.0	54.9	54.9	54.9
175°	53.0	53.0	53.0	54.0	54.0
177.5°	52.1	53.0	53.0	53.0	53.0
180°	53.0	53.0	53.0	53.0	53.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	594.0	620.7	629.5	520.7	454.8
110°	548.4	574.9	597.2	565.7	509.9



(END OF REPORT)