

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: P826480

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

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P826480
REPORT IS A COMBINATION OF REPORTS P826221 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-A-UNV-L830-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

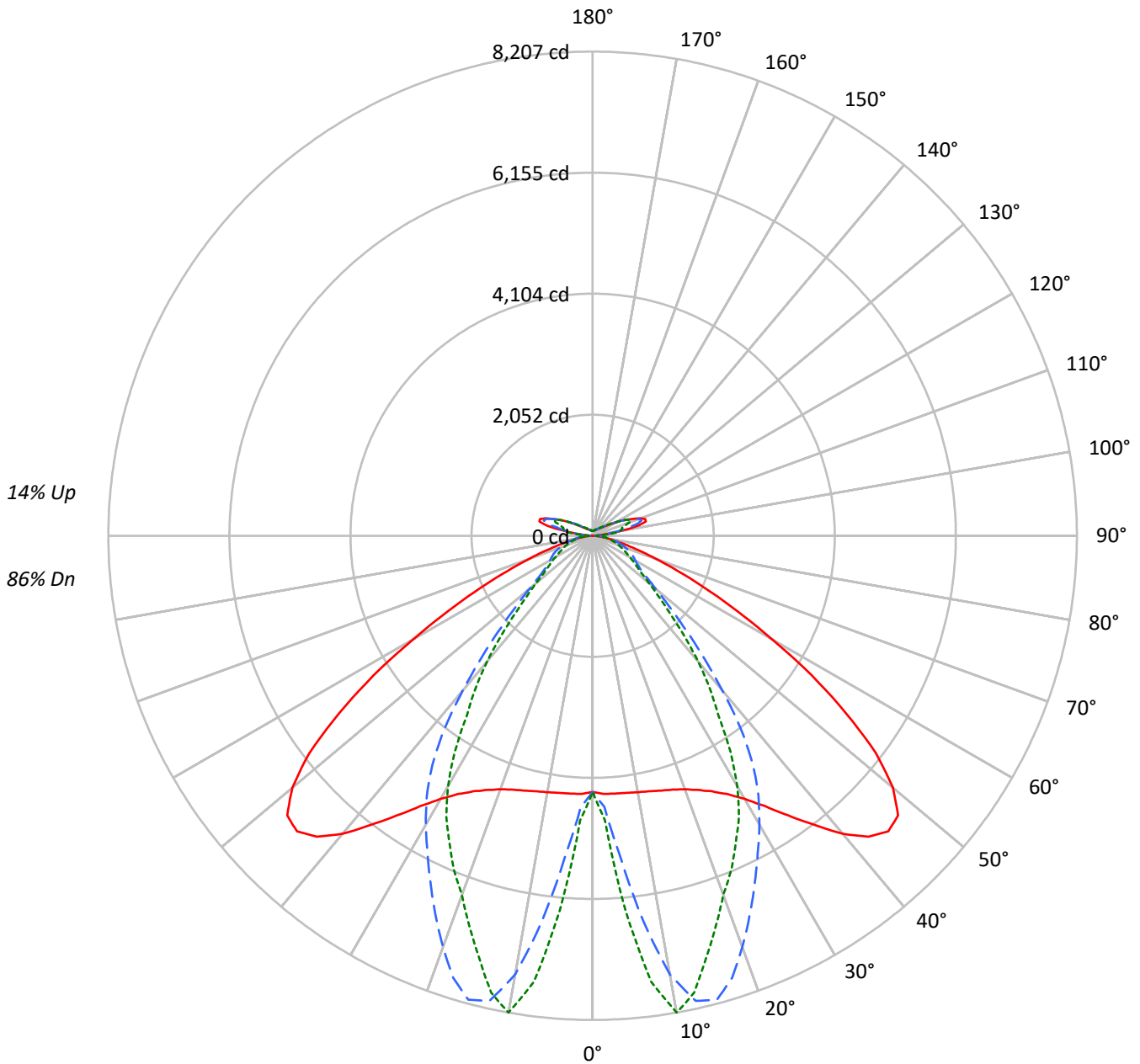
Lumens per Lamp: N/A
Luminaire Lumens: 16188.2 lumens
Efficiency: N/A
Efficacy: 155.1 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 104.4
Input Voltage (V): NR
Input Current (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									
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	116	116	116	116	111	111	111	111	103	103	103	96	96	96	89	89	89	86																			
1	107	103	100	96	103	100	97	94	93	90	88	87	85	83	81	80	78	75																			
2	99	92	86	82	95	89	84	80	83	79	76	78	75	72	73	71	68	66																			
3	92	83	76	70	88	80	74	69	75	70	66	71	66	63	67	63	60	58																			
4	85	74	67	61	81	72	65	60	68	62	58	64	59	55	61	57	53	51																			
5	79	67	59	54	76	65	58	53	62	56	51	59	53	49	55	51	48	45																			
6	73	61	53	48	70	60	52	47	57	50	46	54	48	44	51	46	43	41																			
7	68	56	48	43	66	55	47	42	52	46	41	49	44	40	47	42	39	37																			
8	64	51	44	39	61	50	43	38	48	42	37	46	40	36	43	39	35	33																			
9	60	47	40	35	58	46	39	35	44	38	34	42	37	33	40	36	32	30																			
10	56	44	37	32	54	43	36	32	41	35	31	39	34	30	38	33	29	28																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14129	14129	14129
5°	14090	17672	20711
10°	14106	24230	26902
15°	14330	26250	24691
20°	14805	24219	22066
25°	15754	21653	20184
30°	17415	19377	17948
35°	20283	16847	14302
40°	24141	12736	11382
45°	27380	8606	8101
50°	27401	5849	5992
55°	23361	4553	4895
60°	17135	4204	4404
65°	11479	4147	4171
70°	7124	3913	4040
75°	4109	3511	3865
80°	2269	2942	3988
85°	979	2323	3698



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	567.0	3.5
10°-20°	2001.1	12.4
20°-30°	2948.7	18.2
30°-40°	3098.6	19.1
40°-50°	2371.0	14.6
50°-60°	1431.7	8.8
60°-70°	873.7	5.4
70°-80°	476.9	2.9
80°-90°	173.1	1.1
90°-100°	215.8	1.3
100°-110°	749.0	4.6
110°-120°	642.5	4.0
120°-130°	308.2	1.9
130°-140°	154.2	1.0
140°-150°	89.4	0.6
150°-160°	52.1	0.3
160°-170°	27.0	0.2
170°-180°	8.2	0.1
0°-30°	5516.7	34.1
0°-40°	8615.4	53.2
0°-60°	12418.1	76.7
0°-90°	13941.7	86.1
90°-120°	1607.3	9.9
90°-150°	2159.2	13.3
90°-180°	2246.0	13.9
0°-180°	16188.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4343	4343	4343	4343	4343	
5°	4386	4706	5490	6130	6366	419
15°	4472	6965	8140	7596	7418	1272
25°	4779	8084	6499	5884	5738	2233
35°	5788	6474	4734	3943	3712	3672
45°	7085	3694	2181	1919	1838	5353
55°	5239	1252	993	920	917	4630
65°	2100	793	730	625	593	2152
75°	559	493	452	373	358	643
85°	83	153	180	164	149	103
90°	5	32	44	58	64	8
95°	49	103	160	212	240	153
105°	933	923	785	559	514	886
115°	644	650	650	649	643	649
125°	314	331	338	337	334	295
135°	186	190	196	198	200	147
145°	135	139	141	142	143	86
155°	108	110	112	113	113	51
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°	4342.8	4342.8	4342.8	4342.8	4342.8
2.5°	4378.4	4423.1	4599.3	4782.1	4826.7
5°	4386.5	4706.0	5489.8	6129.8	6366.4
7.5°	4395.8	5164.3	6593.2	7376.9	7627.7
10°	4413.4	5743.9	7549.3	8111.9	8206.7
12.5°	4435.4	6357.8	8075.4	8054.9	7935.4
15°	4471.9	6965.1	8140.2	7596.0	7417.5
17.5°	4510.2	7478.9	7857.5	7096.6	6941.1
20°	4572.7	7860.3	7417.8	6652.6	6475.9
22.5°	4662.5	8070.0	6956.7	6251.1	6135.8
25°	4778.6	8083.6	6498.8	5883.7	5738.5
27.5°	4934.1	7896.0	6059.9	5523.7	5370.2
30°	5145.7	7537.0	5652.0	5089.6	4899.3
32.5°	5433.0	7020.2	5231.5	4565.6	4352.1
35°	5788.3	6473.5	4734.5	3942.9	3712.3
37.5°	6176.1	5866.4	4131.3	3391.4	3257.1
40°	6593.2	5240.8	3416.3	2875.3	2779.3
42.5°	6918.8	4560.7	2752.3	2389.5	2287.2
45°	7084.7	3693.8	2180.9	1919.1	1838.4
47.5°	7020.0	2867.3	1729.0	1524.8	1500.6
50°	6643.0	2117.2	1384.0	1256.1	1246.0
52.5°	6053.4	1578.1	1143.3	1064.1	1046.8
55°	5239.3	1252.5	992.8	920.1	917.3
57.5°	4398.9	1064.1	901.2	844.9	825.4
60°	3502.4	948.8	831.7	768.2	728.5
62.5°	2745.4	868.2	780.6	694.5	657.3
65°	2100.4	792.9	730.4	625.0	593.1
67.5°	1565.8	721.3	669.0	552.0	533.4
70°	1140.9	647.7	598.9	490.9	476.2
72.5°	813.0	574.3	528.9	433.5	417.4
75°	559.3	493.1	452.3	373.2	358.1
77.5°	377.3	410.3	377.0	318.6	312.3
80°	252.0	325.3	304.8	270.0	266.1
82.5°	152.9	236.2	240.6	219.5	208.9
85°	83.3	152.9	180.2	164.2	149.0
87.5°	32.6	84.8	124.2	111.6	105.1
90°	4.7	31.6	43.7	57.7	64.2
92.5°	15.8	41.9	67.0	94.9	107.0
95°	49.3	103.3	160.1	212.2	240.1
97.5°	250.3	270.8	291.3	352.7	383.4
100°	513.7	545.3	440.2	465.3	473.7
102.5°	793.8	789.1	575.1	515.5	508.1
105°	933.3	923.1	785.4	559.3	513.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	751.9	763.1	748.2	726.8	697.0
115°	643.9	650.5	650.5	648.6	643.0
117.5°	550.9	551.8	555.5	554.6	555.5
120°	456.0	466.2	474.6	469.9	464.3
122.5°	382.5	393.6	399.2	397.3	391.8
125°	314.5	331.3	337.8	336.9	334.1
127.5°	266.1	278.2	287.5	288.5	287.5
130°	231.7	239.2	248.5	249.4	250.3
132.5°	205.7	212.2	218.7	222.4	221.5
135°	186.1	189.8	196.3	198.2	200.1
137.5°	170.3	173.1	178.7	181.5	181.5
140°	156.3	160.1	164.7	166.6	167.5
142.5°	144.2	148.0	151.7	153.5	153.5
145°	134.9	138.7	141.4	142.4	143.3
147.5°	126.6	130.3	132.1	134.0	134.0
150°	120.0	121.9	124.7	125.6	126.6
152.5°	113.5	115.4	118.2	119.1	119.1
155°	107.9	109.8	111.7	112.6	112.6
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°	937.1	940.8	868.2	678.4	564.8
110°	864.5	872.9	831.0	759.3	668.1



(END OF REPORT)