

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: P827990

Luminaire Tested: **OHBL-15SE-W-UNV-L935-CD-UPL24**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P827990  
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-L935-CD-UPL24  
Description:  
Light Source: -  
Ballast/Driver: -

**Summary**

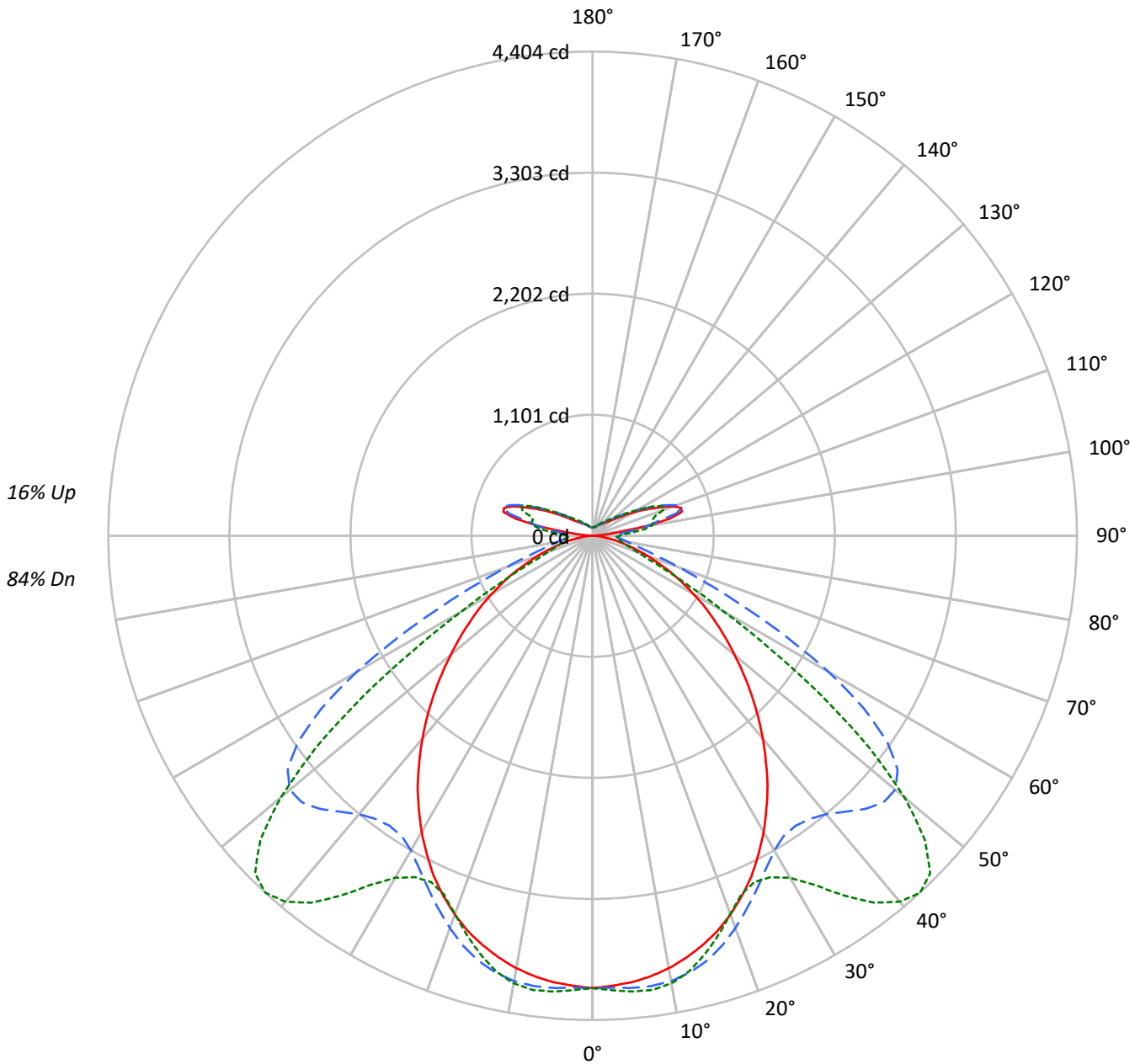
Lumens per Lamp: N/A  
Luminaire Lumens: 14334.5 lumens  
Efficiency: N/A  
Efficacy: 137.3 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')  
CIE Type: Semi-Direct

Input Watts (W): 104.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	13384	13384	13384
5°	13092	13291	13536
10°	12765	13198	13552
15°	12358	12908	13118
20°	11865	12394	12475
25°	11265	11791	12225
30°	10528	11325	13156
35°	9719	11458	15394
40°	8817	12318	17797
45°	7892	13860	19129
50°	6949	15183	17802
55°	6063	14998	13602
60°	5176	12521	8317
65°	4264	8502	5037
70°	3281	5376	3637
75°	2308	3735	3372
80°	1462	3127	3804
85°	782	3158	6014



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	393.1	2.7
10°-20°	1113.2	7.8
20°-30°	1629.0	11.4
30°-40°	2115.6	14.8
40°-50°	2583.4	18.0
50°-60°	2275.1	15.9
60°-70°	1185.6	8.3
70°-80°	508.4	3.5
80°-90°	249.3	1.7
90°-100°	307.9	2.1
100°-110°	742.1	5.2
110°-120°	617.6	4.3
120°-130°	299.0	2.1
130°-140°	149.6	1.0
140°-150°	85.6	0.6
150°-160°	48.6	0.3
160°-170°	24.2	0.2
170°-180°	7.4	0.1
0°-30°	3135.3	21.9
0°-40°	5250.9	36.6
0°-60°	10109.4	70.5
0°-90°	12052.6	84.1
90°-120°	1667.5	11.6
90°-150°	2201.7	15.4
90°-180°	2282.0	15.9
0°-180°	14334.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4114	4114	4114	4114	4114	
5°	4076	4107	4129	4165	4161	386
15°	3856	3965	4003	3973	3941	1086
25°	3417	3600	3539	3472	3476	1568
35°	2774	3066	3220	3755	3996	1729
45°	2042	2570	3512	4252	4341	1575
55°	1360	2251	3271	2868	2549	1220
65°	780	1559	1497	832	716	772
75°	314	730	481	329	312	343
85°	67	260	245	240	242	74
90°	5	122	201	236	247	8
95°	46	148	272	341	370	139
105°	839	858	787	601	562	797
115°	582	600	634	644	641	587
125°	288	306	333	341	339	270
135°	172	175	190	202	204	136
145°	128	130	133	139	142	81
155°	104	105	105	106	106	47
165°	83	84	85	85	85	24
175°	75	76	76	77	77	7
180°	75	75	75	75	75	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4113.8	4113.8	4113.8	4113.8	4113.8
2.5°	4096.1	4113.8	4114.7	4139.6	4136.9
5°	4075.7	4106.8	4128.9	4165.3	4160.8
7.5°	4041.9	4090.8	4129.8	4169.8	4166.2
10°	3994.0	4060.6	4112.1	4144.9	4134.3
12.5°	3931.8	4019.8	4070.3	4077.4	4057.0
15°	3856.4	3964.8	4002.9	3972.7	3940.8
17.5°	3771.2	3898.2	3911.4	3845.8	3805.8
20°	3664.8	3809.4	3796.1	3705.6	3661.2
22.5°	3546.7	3711.8	3669.2	3574.2	3531.6
25°	3417.1	3599.9	3538.7	3472.1	3475.7
27.5°	3265.3	3473.0	3413.5	3443.8	3500.5
30°	3110.9	3339.8	3303.5	3479.3	3591.1
32.5°	2941.3	3203.2	3236.0	3583.1	3765.9
35°	2773.6	3066.5	3220.1	3755.3	3995.8
37.5°	2588.1	2928.1	3245.8	3954.1	4206.2
40°	2407.9	2793.2	3304.3	4132.5	4345.5
42.5°	2224.2	2672.4	3402.9	4238.1	4404.1
45°	2042.2	2569.5	3512.1	4252.2	4341.0
47.5°	1860.3	2482.5	3587.5	4139.6	4098.8
50°	1684.6	2405.3	3592.8	3868.8	3702.0
52.5°	1520.4	2334.2	3495.2	3437.5	3178.3
55°	1359.8	2250.8	3270.7	2867.7	2549.1
57.5°	1213.3	2135.5	2924.5	2255.3	1907.3
60°	1058.0	1979.2	2477.2	1650.0	1375.8
62.5°	915.1	1784.8	1975.7	1148.5	988.8
65°	780.2	1559.4	1497.3	832.5	716.2
67.5°	637.3	1326.0	1105.0	607.1	532.5
70°	525.4	1109.4	822.8	472.2	428.7
72.5°	410.9	903.5	615.1	383.4	359.5
75°	314.2	729.6	481.1	329.3	312.4
77.5°	231.7	576.9	387.0	291.1	275.2
80°	162.4	454.4	323.9	260.1	253.8
82.5°	109.2	351.5	276.0	247.7	248.5
85°	66.6	260.1	245.0	239.7	242.3
87.5°	31.9	184.6	210.3	218.3	221.0
90°	5.1	122.4	200.7	236.2	246.6
92.5°	14.2	109.4	202.0	250.1	265.3
95°	45.9	147.5	272.0	340.9	370.3
97.5°	225.9	287.8	376.2	454.3	484.4
100°	462.7	527.4	497.1	541.8	552.0
102.5°	713.5	741.2	607.3	573.5	568.6
105°	839.4	857.8	786.8	601.2	562.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	678.7	704.7	728.6	721.8	696.9
115°	582.0	600.2	634.0	643.8	640.6
117.5°	499.6	510.2	542.8	552.6	554.3
120°	414.6	430.8	464.1	470.5	466.4
122.5°	348.8	363.2	392.1	400.2	396.1
125°	287.9	305.6	332.7	340.8	339.1
127.5°	243.7	255.4	283.2	292.9	293.0
130°	212.8	219.5	243.8	253.5	256.1
132.5°	189.5	195.3	213.6	225.8	226.8
135°	172.0	175.3	190.0	201.5	204.0
137.5°	157.8	160.3	171.5	182.9	184.7
140°	145.3	148.7	156.4	166.9	168.7
142.5°	135.4	137.8	143.8	152.6	153.5
145°	127.9	129.5	132.9	139.0	141.7
147.5°	120.4	122.9	124.6	129.8	130.7
150°	114.6	116.2	117.0	119.6	122.2
152.5°	108.8	110.4	111.2	112.0	113.8
155°	103.8	105.4	105.3	106.2	106.2
157.5°	92.5	94.2	95.8	96.7	96.7
160°	89.2	90.0	91.7	92.5	92.5
162.5°	85.8	86.7	87.5	88.3	88.3
165°	83.3	84.2	85.0	85.0	85.0
167.5°	80.8	80.8	81.7	82.5	82.5
170°	78.3	79.2	79.2	80.0	80.0
172.5°	76.7	77.5	77.5	77.5	78.3
175°	75.0	75.8	75.8	76.7	76.7
177.5°	75.0	75.0	75.0	75.0	75.0
180°	75.0	75.0	75.0	75.0	75.0



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	843.6	870.0	852.1	697.2	597.3
110°	778.6	805.7	809.8	759.9	680.0



(END OF REPORT)