

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: P828017

Luminaire Tested: **OHBL-18SE-MFL-UNV-L935-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828017
REPORT IS A COMBINATION OF REPORTS P826235 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-18SE-MFL-UNV-L935-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

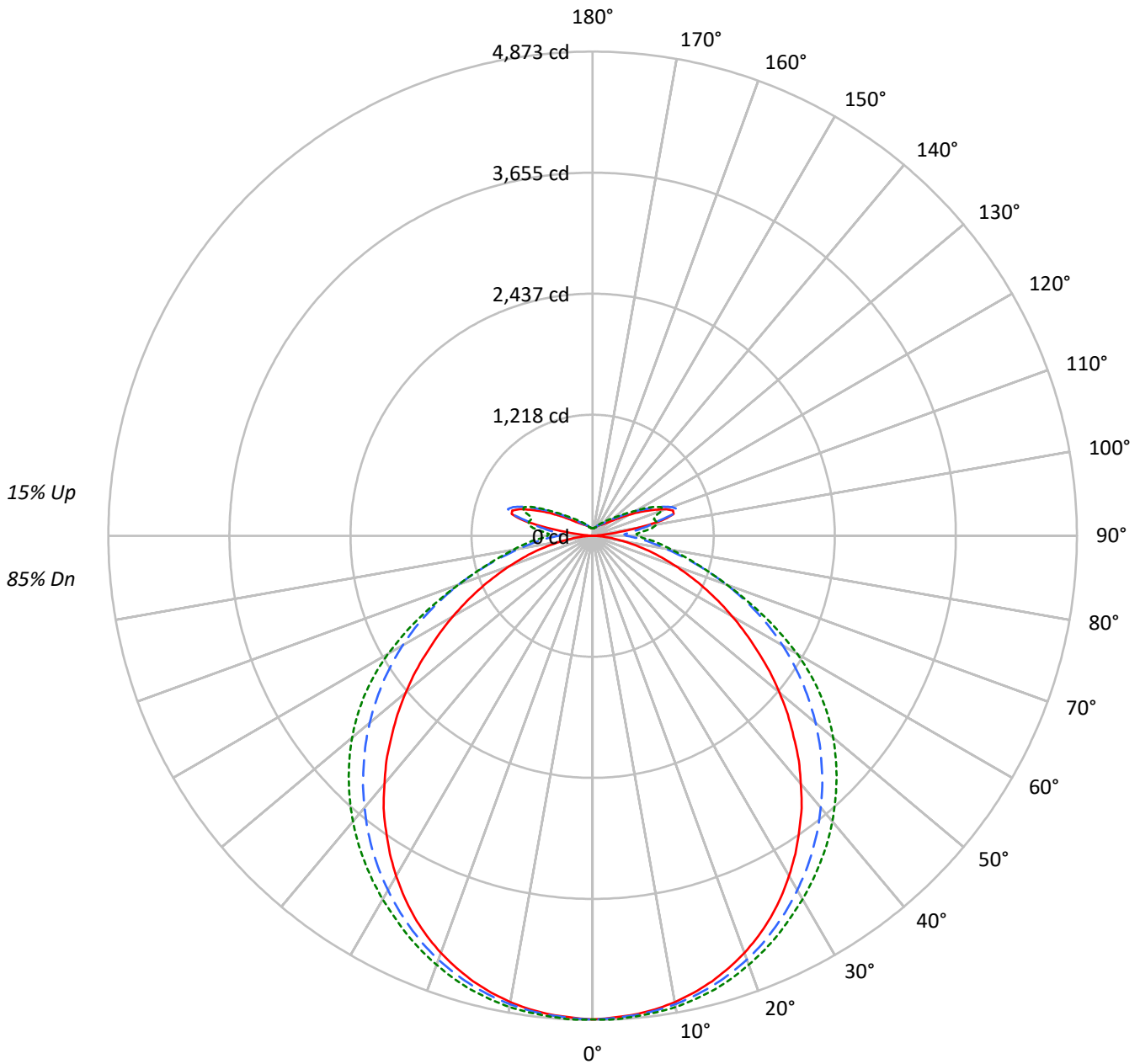
Lumens per Lamp: N/A
Luminaire Lumens: 16586.9 lumens
Efficiency: N/A
Efficacy: 135.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 122.4
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	103	103	103	95	95	95	88	88	88	85																			
1	105	100	96	92	101	96	92	89	89	86	83	83	80	78	77	75	73	70																			
2	95	87	80	74	91	84	78	72	78	73	68	72	68	65	67	64	61	58																			
3	87	76	68	62	83	74	66	60	68	62	57	64	59	54	59	55	52	49																			
4	79	67	59	52	76	65	57	51	61	54	49	57	51	46	53	48	44	42																			
5	73	60	51	45	70	58	50	44	54	47	42	51	45	40	48	43	38	36																			
6	67	54	45	39	64	52	44	38	49	42	37	46	40	35	43	38	34	31																			
7	62	49	40	34	60	47	39	34	45	38	32	42	36	31	39	34	30	28																			
8	58	45	36	30	56	43	35	30	41	34	29	38	32	28	36	31	27	25																			
9	54	41	33	27	52	40	32	27	37	31	26	35	29	25	33	28	24	22																			
10	51	38	30	25	49	37	29	24	35	28	24	33	27	23	31	26	22	20																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8315	8315	8315
5°	8222	8233	8296
10°	8124	8156	8288
15°	7994	8066	8266
20°	7834	7956	8219
25°	7633	7819	8171
30°	7371	7672	8126
35°	7063	7515	8095
40°	6700	7334	8069
45°	6282	7138	8030
50°	5827	6939	7977
55°	5281	6696	7854
60°	4721	6410	7544
65°	4116	6046	6986
70°	3463	5583	6390
75°	2800	5047	6077
80°	1996	4649	6366
85°	1111	4789	7980



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	461.3	2.8
10°-20°	1323.4	8.0
20°-30°	2001.4	12.1
30°-40°	2402.7	14.5
40°-50°	2481.6	15.0
50°-60°	2232.7	13.5
60°-70°	1681.8	10.1
70°-80°	1015.6	6.1
80°-90°	501.8	3.0
90°-100°	402.3	2.4
100°-110°	790.1	4.8
110°-120°	645.4	3.9
120°-130°	315.7	1.9
130°-140°	159.0	1.0
140°-150°	90.2	0.5
150°-160°	50.4	0.3
160°-170°	24.2	0.1
170°-180°	7.4	0.0
0°-30°	3786.1	22.8
0°-40°	6188.8	37.3
0°-60°	10903.1	65.7
0°-90°	14102.3	85.0
90°-120°	1837.8	11.1
90°-150°	2402.7	14.5
90°-180°	2485.0	15.0
0°-180°	16586.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4868	4868	4868	4868	4868	
5°	4837	4850	4844	4864	4858	460
15°	4642	4665	4686	4725	4730	1309
25°	4239	4286	4346	4414	4425	1950
35°	3624	3709	3862	3978	4002	2266
45°	2861	3005	3256	3434	3471	2209
55°	2027	2236	2576	2770	2804	1817
65°	1237	1489	1823	1914	1892	1229
75°	583	836	1056	1083	1072	622
85°	122	320	529	602	612	140
90°	4	153	342	433	454	11
95°	50	177	370	478	514	142
105°	844	876	834	672	639	801
115°	586	610	664	689	689	591
125°	291	310	351	372	373	273
135°	175	181	201	220	227	138
145°	133	135	139	149	153	84
155°	109	111	112	112	113	49
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°	4868.3	4868.3	4868.3	4868.3	4868.3
2.5°	4854.0	4865.9	4858.8	4874.3	4873.1
5°	4837.3	4850.4	4844.5	4863.5	4857.6
7.5°	4808.8	4823.0	4821.8	4843.2	4840.9
10°	4767.0	4782.5	4787.2	4815.9	4815.9
12.5°	4709.8	4730.1	4742.0	4776.6	4777.8
15°	4641.9	4664.6	4686.0	4725.3	4730.1
17.5°	4559.8	4588.3	4618.1	4663.3	4669.3
20°	4466.8	4498.9	4539.4	4587.1	4594.3
22.5°	4359.6	4397.7	4450.1	4506.1	4514.4
25°	4239.3	4285.7	4346.4	4414.3	4425.1
27.5°	4102.2	4155.8	4238.0	4314.3	4323.8
30°	3953.2	4016.4	4118.8	4209.4	4224.9
32.5°	3796.0	3868.7	3995.0	4096.2	4117.7
35°	3624.4	3709.0	3861.5	3978.2	4002.1
37.5°	3455.3	3548.2	3720.9	3854.3	3883.0
40°	3257.4	3373.0	3570.8	3718.6	3753.1
42.5°	3071.6	3196.7	3420.7	3581.5	3614.9
45°	2860.7	3004.8	3256.2	3433.8	3470.8
47.5°	2662.9	2819.0	3097.8	3281.2	3319.4
50°	2454.4	2626.0	2928.6	3120.4	3159.8
52.5°	2245.9	2430.6	2753.5	2952.4	2989.3
55°	2026.7	2236.3	2575.9	2770.2	2803.5
57.5°	1822.9	2044.6	2393.7	2578.3	2598.6
60°	1621.6	1851.5	2207.8	2369.8	2377.0
62.5°	1425.0	1666.8	2017.2	2145.8	2136.2
65°	1236.8	1489.3	1822.9	1913.5	1892.0
67.5°	1055.7	1316.6	1623.9	1682.3	1653.8
70°	884.1	1148.6	1430.9	1460.8	1434.5
72.5°	732.8	988.9	1235.6	1260.6	1241.5
75°	582.6	836.4	1055.7	1083.0	1072.3
77.5°	442.0	688.7	890.0	925.8	928.2
80°	318.1	554.0	745.8	801.8	809.0
82.5°	209.7	430.1	625.5	697.0	707.8
85°	121.5	320.5	529.0	601.7	612.4
87.5°	52.4	231.2	425.3	490.9	504.0
90°	4.2	153.4	341.8	432.9	454.3
92.5°	17.8	141.2	319.8	416.2	440.2
95°	50.1	177.1	369.8	478.3	514.1
97.5°	231.3	314.0	457.4	567.3	605.4
100°	467.2	550.2	564.6	637.1	654.1
102.5°	718.0	761.5	663.9	654.7	656.3
105°	844.2	875.5	834.4	672.4	638.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	682.8	715.5	760.6	772.3	750.5
115°	586.2	609.9	663.5	689.2	689.0
117.5°	504.1	518.0	569.0	594.3	598.8
120°	419.1	437.8	488.2	507.8	507.6
122.5°	353.2	369.2	413.5	434.5	433.1
125°	291.2	309.8	351.3	372.0	373.0
127.5°	246.7	259.9	299.2	321.5	324.3
130°	215.8	223.7	258.2	279.3	283.8
132.5°	192.5	200.8	225.6	248.0	251.9
135°	175.0	180.8	200.8	220.4	226.8
137.5°	160.8	165.8	180.3	199.4	204.2
140°	149.5	154.1	164.2	180.2	185.8
142.5°	139.9	143.2	148.9	163.8	167.2
145°	132.8	134.9	138.6	148.9	153.3
147.5°	125.3	128.6	130.3	136.7	140.3
150°	119.4	122.2	123.6	125.6	130.0
152.5°	113.6	116.4	117.8	117.4	119.8
155°	108.6	111.4	111.9	111.6	112.8
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°	847.5	885.4	893.1	760.0	664.3
110°	782.5	819.8	846.7	815.8	740.1



(END OF REPORT)