

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: P828016

Luminaire Tested: **OHBL-18SE-MFL-UNV-L935-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828016
REPORT IS A COMBINATION OF REPORTS P826163 AND G3-2310-221-8
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-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

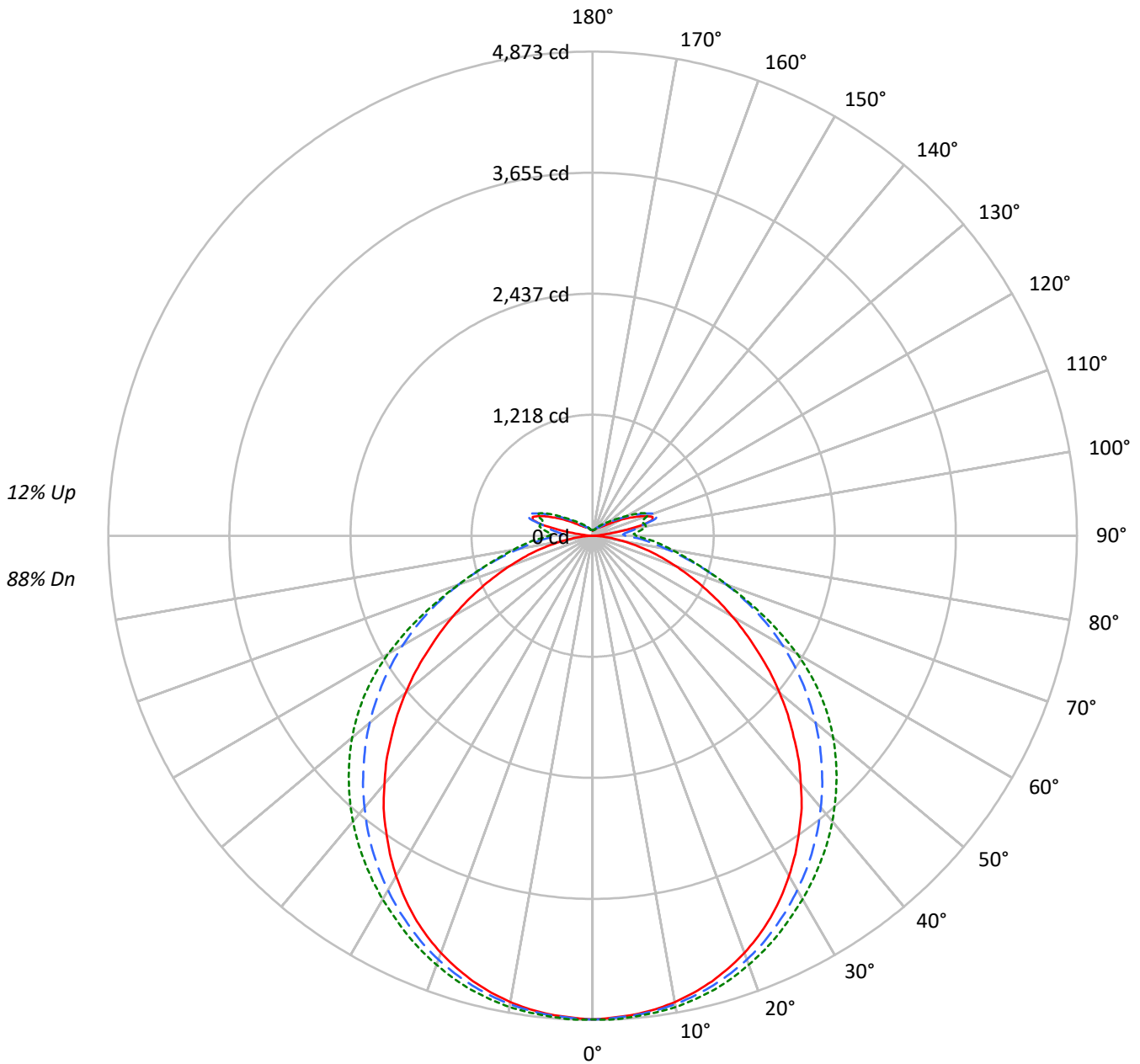
Lumens per Lamp: N/A
Luminaire Lumens: 16061.6 lumens
Efficiency: N/A
Efficacy: 136.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 117.3
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	112	112	112	112	104	104	104	97	97	97	91	91	91	88																			
1	105	100	96	92	101	97	93	89	91	87	84	85	82	80	79	77	75	72																			
2	96	87	81	75	92	84	78	73	79	74	69	74	70	66	69	66	63	60																			
3	87	77	69	62	84	74	67	61	69	63	58	65	60	56	61	57	53	50																			
4	80	68	59	52	77	66	58	51	62	55	49	58	52	47	54	50	46	43																			
5	73	61	52	45	70	59	50	44	55	48	43	52	46	41	49	44	40	37																			
6	68	54	46	39	65	53	45	39	50	43	37	47	41	36	44	39	35	32																			
7	63	49	41	35	60	48	40	34	45	38	33	43	37	32	40	35	31	29																			
8	58	45	37	31	56	44	36	30	41	34	29	39	33	28	37	32	28	26																			
9	54	41	33	28	52	40	32	27	38	31	26	36	30	26	34	29	25	23																			
10	51	38	30	25	49	37	30	25	35	29	24	33	27	23	32	26	23	21																			

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	2.9
10°-20°	1323.4	8.2
20°-30°	2001.4	12.5
30°-40°	2402.7	15.0
40°-50°	2481.6	15.5
50°-60°	2232.7	13.9
60°-70°	1681.8	10.5
70°-80°	1015.6	6.3
80°-90°	500.4	3.1
90°-100°	351.8	2.2
100°-110°	614.9	3.8
110°-120°	495.8	3.1
120°-130°	244.1	1.5
130°-140°	123.0	0.8
140°-150°	69.4	0.4
150°-160°	38.4	0.2
160°-170°	17.9	0.1
170°-180°	5.5	0.0
0°-30°	3786.1	23.6
0°-40°	6188.8	38.5
0°-60°	10903.1	67.9
0°-90°	14100.9	87.8
90°-120°	1462.4	9.1
90°-150°	1898.9	11.8
90°-180°	1961.0	12.2
0°-180°	16061.6	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°	3	146	331	419	438	10
95°	38	153	334	428	458	105
105°	626	660	653	539	518	594
115°	437	460	513	535	539	441
125°	218	231	273	294	296	205
135°	132	137	155	175	180	104
145°	102	102	106	116	120	64
155°	84	86	86	86	87	37
165°	62	62	62	63	63	18
175°	56	56	57	57	57	5
180°	56	56	56	56	56	



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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°	3.3	145.9	331.0	418.8	438.4
92.5°	14.4	131.2	305.6	394.6	414.3
95°	37.6	152.9	333.9	427.5	458.2
97.5°	169.7	249.0	394.9	486.4	510.4
100°	342.2	413.6	465.4	529.6	544.1
102.5°	531.3	578.2	527.3	534.7	538.0
105°	625.8	660.5	652.8	539.1	517.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	511.2	537.2	585.6	603.2	587.2
115°	437.0	459.9	512.7	535.1	539.0
117.5°	374.9	390.5	439.8	464.3	468.8
120°	314.9	330.2	376.5	397.8	400.9
122.5°	264.9	278.3	321.8	342.0	343.9
125°	217.8	231.4	273.0	293.7	295.5
127.5°	185.0	194.9	233.3	254.0	255.9
130°	161.7	168.7	199.9	221.0	225.4
132.5°	145.8	150.8	174.8	194.7	201.1
135°	131.7	136.6	155.0	174.6	180.2
137.5°	120.8	125.8	138.6	156.9	162.5
140°	112.8	116.6	125.0	141.0	146.6
142.5°	106.6	109.1	113.9	127.9	132.2
145°	101.9	102.4	106.1	116.4	120.0
147.5°	96.1	97.8	99.4	105.8	109.4
150°	91.1	93.9	94.4	96.4	100.8
152.5°	87.8	89.8	90.2	89.9	92.2
155°	83.6	86.4	86.1	85.8	86.9
157.5°	69.2	70.0	70.8	71.7	71.7
160°	66.7	66.7	67.5	68.3	68.3
162.5°	64.2	64.2	65.0	65.8	65.8
165°	61.7	62.5	62.5	63.3	63.3
167.5°	60.0	60.0	60.8	60.8	61.7
170°	58.3	58.3	59.2	59.2	59.2
172.5°	56.7	57.5	57.5	57.5	57.5
175°	55.8	55.8	56.7	56.7	56.7
177.5°	55.0	55.8	55.8	55.8	55.8
180°	55.8	55.8	55.8	55.8	55.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	631.7	666.2	690.6	599.2	532.7
110°	579.2	615.7	655.0	638.3	586.8



(END OF REPORT)