

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: P827699

Luminaire Tested: **OHBL-18HE-MFL-UNV-L930-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827699
REPORT IS A COMBINATION OF REPORTS P826229 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-18HE-MFL-UNV-L930-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

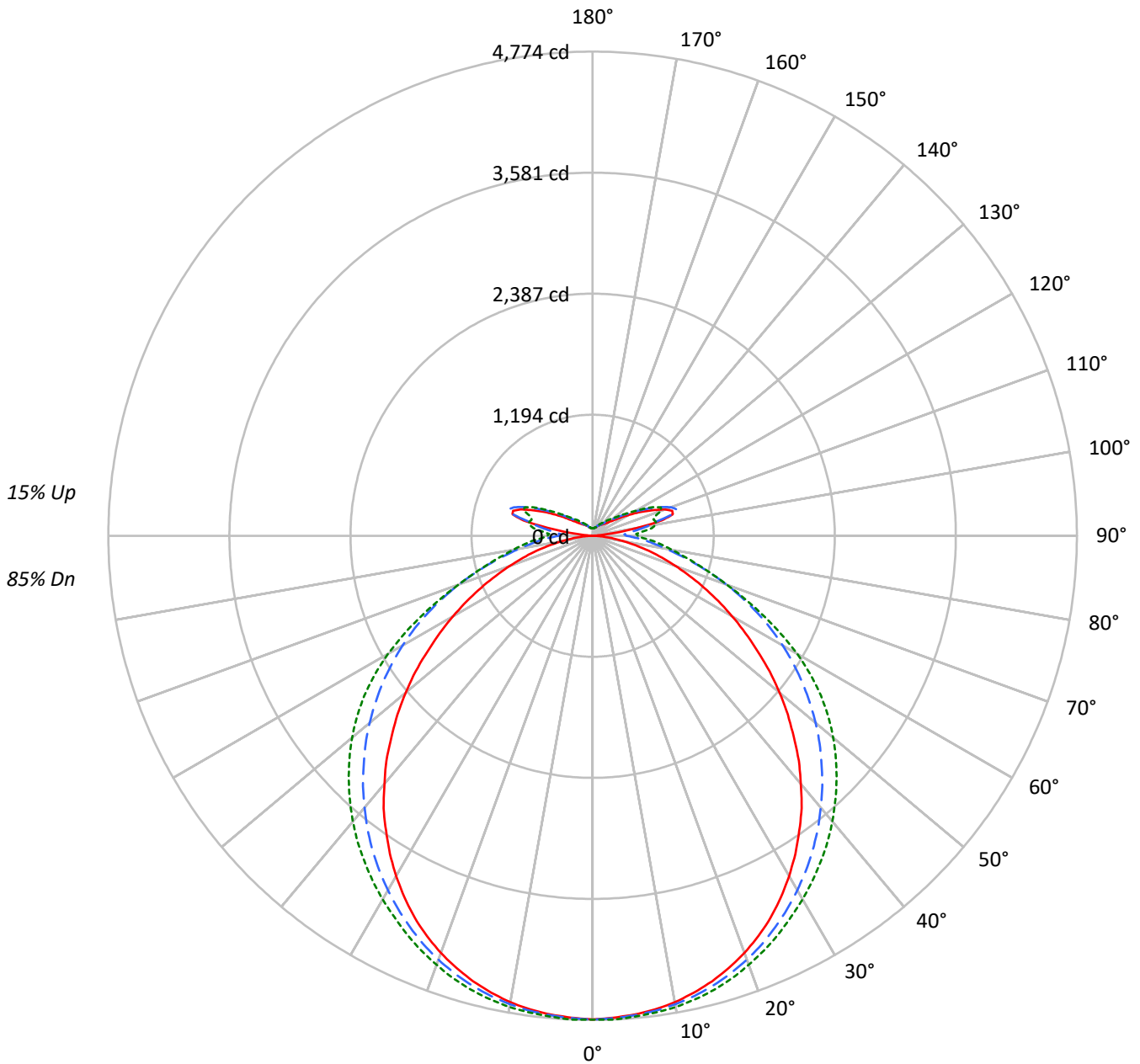
Lumens per Lamp: N/A
Luminaire Lumens: 16231.6 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 120.4
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	116	116	116	116	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	31	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°	8147	8147	8147
5°	8055	8066	8129
10°	7960	7991	8120
15°	7832	7903	8099
20°	7675	7795	8052
25°	7479	7661	8006
30°	7222	7517	7961
35°	6920	7363	7931
40°	6565	7186	7906
45°	6154	6993	7867
50°	5709	6799	7815
55°	5174	6561	7695
60°	4626	6281	7391
65°	4032	5924	6845
70°	3393	5470	6260
75°	2743	4945	5954
80°	1956	4555	6237
85°	1089	4692	7818



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	452.0	2.8
10°-20°	1296.6	8.0
20°-30°	1960.9	12.1
30°-40°	2354.1	14.5
40°-50°	2431.4	15.0
50°-60°	2187.5	13.5
60°-70°	1647.8	10.2
70°-80°	995.0	6.1
80°-90°	491.6	3.0
90°-100°	392.2	2.4
100°-110°	767.6	4.7
110°-120°	626.8	3.9
120°-130°	306.6	1.9
130°-140°	154.4	1.0
140°-150°	87.6	0.5
150°-160°	48.9	0.3
160°-170°	23.5	0.1
170°-180°	7.1	0.0
0°-30°	3709.5	22.9
0°-40°	6063.6	37.4
0°-60°	10682.4	65.8
0°-90°	13816.9	85.1
90°-120°	1786.6	11.0
90°-150°	2335.1	14.4
90°-180°	2415.0	14.9
0°-180°	16231.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4770	4770	4770	4770	4770	
5°	4739	4752	4746	4765	4759	450
15°	4548	4570	4591	4630	4634	1282
25°	4154	4199	4258	4325	4336	1910
35°	3551	3634	3783	3898	3921	2220
45°	2803	2944	3190	3364	3400	2164
55°	1986	2191	2524	2714	2747	1780
65°	1212	1459	1786	1875	1854	1204
75°	571	820	1034	1061	1051	609
85°	119	314	518	590	600	138
90°	4	150	334	424	444	10
95°	49	173	361	467	502	138
105°	819	850	811	654	621	778
115°	569	592	644	670	670	574
125°	283	301	341	362	362	265
135°	170	175	195	214	220	134
145°	129	131	134	145	149	82
155°	105	108	109	108	109	48
165°	81	82	82	82	82	23
175°	73	74	74	74	74	7
180°	73	73	73	73	73	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4769.8	4769.8	4769.8	4769.8	4769.8
2.5°	4755.7	4767.5	4760.4	4775.6	4774.4
5°	4739.4	4752.3	4746.5	4765.1	4759.3
7.5°	4711.5	4725.4	4724.2	4745.2	4743.0
10°	4670.6	4685.7	4690.4	4718.4	4718.4
12.5°	4614.5	4634.3	4646.1	4679.9	4681.1
15°	4548.0	4570.2	4591.2	4629.7	4634.3
17.5°	4467.4	4495.5	4524.6	4569.0	4574.8
20°	4376.4	4407.9	4447.6	4494.3	4501.3
22.5°	4271.3	4308.7	4360.1	4414.9	4423.1
25°	4153.5	4199.0	4258.5	4325.0	4335.5
27.5°	4019.2	4071.7	4152.2	4226.9	4236.3
30°	3873.3	3935.1	4035.5	4124.3	4139.4
32.5°	3719.1	3790.4	3914.1	4013.4	4034.4
35°	3551.1	3633.9	3783.4	3897.8	3921.1
37.5°	3385.3	3476.4	3645.7	3776.4	3804.4
40°	3191.5	3304.8	3498.5	3643.3	3677.2
42.5°	3009.4	3132.0	3351.4	3509.1	3541.7
45°	2802.8	2944.0	3190.3	3364.3	3400.5
47.5°	2609.1	2761.9	3035.1	3214.9	3252.2
50°	2404.7	2572.8	2869.3	3057.3	3095.8
52.5°	2200.4	2381.4	2697.7	2892.7	2928.9
55°	1985.7	2191.1	2523.8	2714.1	2746.8
57.5°	1786.0	2003.1	2345.2	2526.1	2546.0
60°	1588.8	1814.1	2163.1	2321.9	2328.9
62.5°	1396.2	1633.2	1976.3	2102.4	2093.0
65°	1211.7	1459.2	1786.0	1874.8	1853.8
67.5°	1034.3	1289.9	1591.1	1648.3	1620.3
70°	866.2	1125.4	1402.0	1431.2	1405.4
72.5°	717.9	968.9	1210.6	1235.1	1216.4
75°	570.8	819.5	1034.3	1061.1	1050.6
77.5°	433.1	674.7	872.0	907.0	909.4
80°	311.7	542.8	730.7	785.6	792.7
82.5°	205.5	421.4	612.9	682.9	693.4
85°	119.1	314.0	518.3	589.5	600.0
87.5°	51.3	226.5	416.8	481.0	493.8
90°	4.0	150.0	334.5	423.6	444.5
92.5°	17.2	137.9	312.7	407.0	430.4
95°	48.7	172.6	360.8	466.8	501.6
97.5°	224.5	305.2	445.6	552.7	589.8
100°	453.2	534.4	549.3	620.2	636.7
102.5°	696.5	739.1	645.5	637.0	638.7
105°	818.9	849.7	810.7	653.9	621.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	662.5	694.4	738.7	750.4	729.2
115°	568.7	591.9	644.4	669.6	669.5
117.5°	489.0	502.7	552.6	577.5	581.8
120°	406.6	424.9	474.1	493.4	493.2
122.5°	342.7	358.3	401.7	422.2	420.8
125°	282.6	300.6	341.3	361.5	362.5
127.5°	239.3	252.2	290.6	312.4	315.2
130°	209.4	217.1	250.8	271.5	275.8
132.5°	186.8	194.8	219.1	241.0	244.9
135°	169.8	175.4	195.1	214.2	220.5
137.5°	156.1	160.9	175.1	193.8	198.4
140°	145.2	149.5	159.4	175.0	180.5
142.5°	135.8	139.0	144.6	159.1	162.6
145°	128.8	131.0	134.5	144.7	149.0
147.5°	121.6	124.8	126.4	132.7	136.3
150°	115.9	118.7	120.0	122.0	126.3
152.5°	110.3	113.1	114.3	114.0	116.3
155°	105.4	108.2	108.6	108.3	109.4
157.5°	89.7	91.3	93.0	93.8	93.8
160°	86.5	87.3	88.9	89.7	89.7
162.5°	83.3	84.1	84.9	85.7	85.7
165°	80.8	81.6	82.4	82.4	82.4
167.5°	78.4	78.4	79.2	80.0	80.0
170°	76.0	76.8	76.8	77.6	77.6
172.5°	74.4	75.2	75.2	75.2	76.0
175°	72.8	73.6	73.6	74.4	74.4
177.5°	72.8	72.8	72.8	72.8	72.8
180°	72.8	72.8	72.8	72.8	72.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	822.2	859.3	867.4	738.7	645.9
110°	759.1	795.6	822.2	792.7	719.3



(END OF REPORT)