

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: P828306

Luminaire Tested: **OHBL-18HE-W-UNV-L940-CD-UPL12**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828306
REPORT IS A COMBINATION OF REPORTS P826064 AND G3-2310-221-12
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-18HE-W-UNV-L940-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

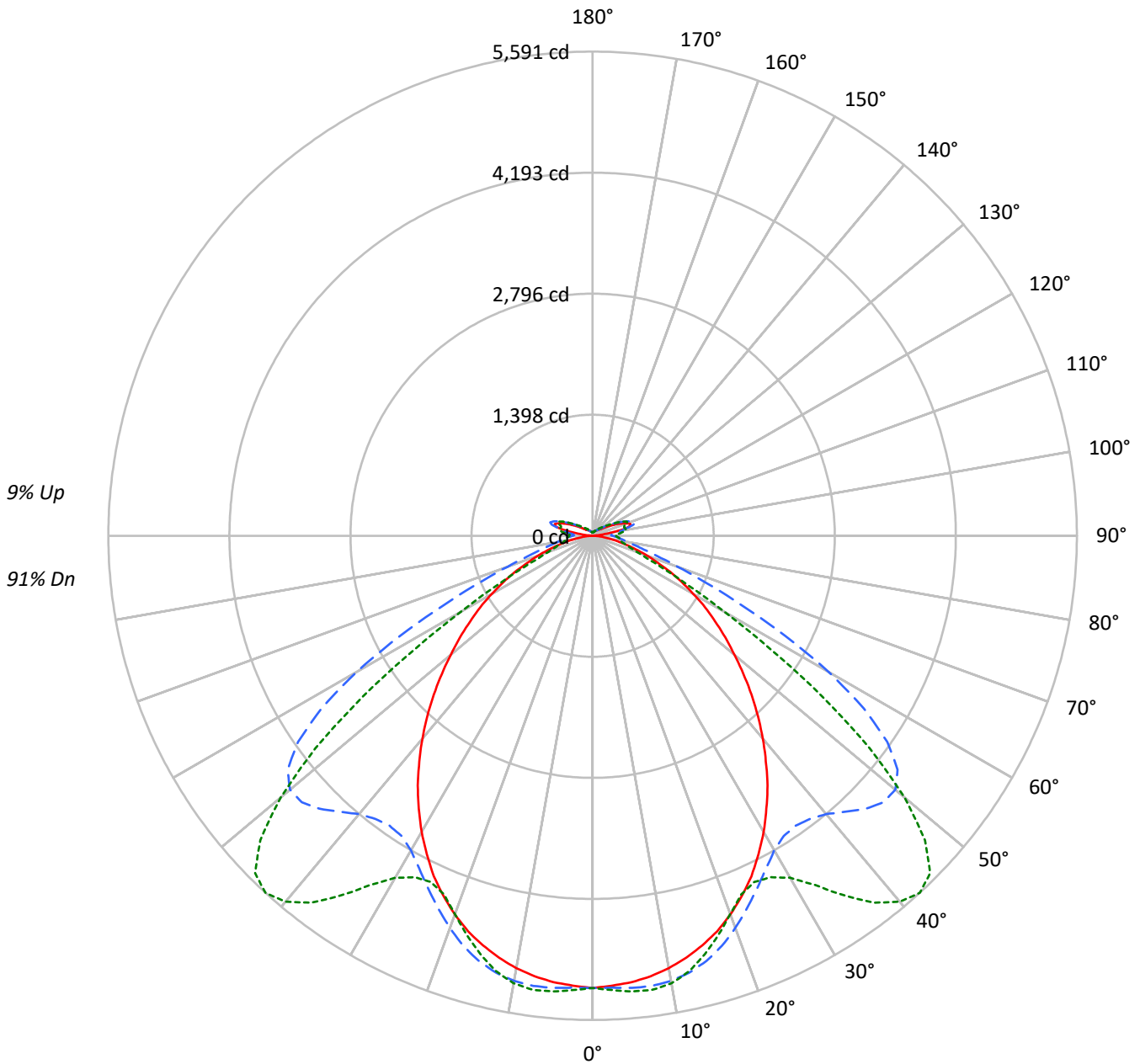
Lumens per Lamp: N/A
Luminaire Lumens: 16718.9 lumens
Efficiency: N/A
Efficacy: 150.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 111.4
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	117	117	117	117	113	113	113	113	106	106	106	100	100	100	94	94	94	91																			
1	107	103	99	95	104	100	96	93	94	91	88	89	86	84	84	82	80	77																			
2	98	90	83	78	94	87	81	76	82	78	73	78	74	70	74	70	68	65																			
3	89	79	71	65	86	77	70	64	73	67	62	69	64	59	65	61	57	55																			
4	82	70	61	55	79	68	60	54	65	58	52	61	55	51	58	53	49	47																			
5	75	62	54	47	72	61	53	46	58	51	45	55	49	44	52	47	43	40																			
6	69	56	47	41	67	55	46	40	52	45	39	49	43	38	47	42	37	35																			
7	64	51	42	36	62	49	41	35	47	40	35	45	38	34	43	37	33	31																			
8	59	46	37	32	57	45	37	31	43	36	31	41	35	30	39	34	29	27																			
9	55	42	34	28	53	41	33	28	39	32	27	38	31	27	36	30	26	24																			
10	52	39	31	26	50	38	30	25	36	29	25	35	29	24	33	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8919	8919	8919
5°	8793	8907	9021
10°	8641	8893	9032
15°	8430	8746	8742
20°	8158	8445	8314
25°	7810	8082	8147
30°	7363	7811	8767
35°	6861	7955	10259
40°	6288	8616	11860
45°	5693	9773	12749
50°	5077	10806	11863
55°	4498	10793	9065
60°	3910	9130	5542
65°	3296	6304	3357
70°	2613	4075	2424
75°	1916	2920	2247
80°	1293	2563	2535
85°	773	2815	4008



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	499.0	3.0
10°-20°	1413.1	8.5
20°-30°	2067.9	12.4
30°-40°	2685.6	16.1
40°-50°	3279.4	19.6
50°-60°	2888.0	17.3
60°-70°	1505.0	9.0
70°-80°	645.4	3.9
80°-90°	312.7	1.9
90°-100°	249.0	1.5
100°-110°	450.4	2.7
110°-120°	362.6	2.2
120°-130°	177.2	1.1
130°-140°	88.7	0.5
140°-150°	50.1	0.3
150°-160°	27.6	0.2
160°-170°	13.1	0.1
170°-180°	4.0	0.0
0°-30°	3980.0	23.8
0°-40°	6665.6	39.9
0°-60°	12833.0	76.8
0°-90°	15296.0	91.5
90°-120°	1062.1	6.4
90°-150°	1378.2	8.2
90°-180°	1423.0	8.5
0°-180°	16718.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5222	5222	5222	5222	5222	
5°	5174	5213	5241	5288	5282	491
15°	4895	5033	5081	5043	5002	1378
25°	4338	4570	4492	4408	4412	1991
35°	3521	3893	4088	4767	5072	2195
45°	2592	3262	4458	5398	5511	1999
55°	1726	2857	4152	3640	3236	1549
65°	990	1980	1901	1057	909	980
75°	399	926	611	418	397	435
85°	84	330	311	304	308	94
90°	4	135	226	261	270	8
95°	24	120	238	292	314	73
105°	454	484	485	396	376	430
115°	320	336	379	391	388	320
125°	161	170	201	210	212	149
135°	96	98	113	126	127	76
145°	74	74	76	83	86	47
155°	61	62	61	62	62	27
165°	45	45	46	46	46	13
175°	41	41	41	41	41	4
180°	40	40	40	40	40	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5222.1	5222.1	5222.1	5222.1	5222.1
2.5°	5199.6	5222.1	5223.3	5254.8	5251.4
5°	5173.7	5213.2	5241.4	5287.5	5281.9
7.5°	5130.9	5192.8	5242.5	5293.2	5288.7
10°	5070.1	5154.6	5219.9	5261.6	5248.1
12.5°	4991.2	5102.8	5166.9	5176.0	5150.1
15°	4895.4	5032.9	5081.3	5043.0	5002.4
17.5°	4787.2	4948.4	4965.3	4881.9	4831.2
20°	4652.0	4835.7	4818.8	4703.9	4647.5
22.5°	4502.2	4711.8	4657.7	4537.1	4483.0
25°	4337.7	4569.8	4492.1	4407.6	4412.1
27.5°	4145.1	4408.7	4333.2	4371.6	4443.6
30°	3949.0	4239.7	4193.5	4416.6	4558.6
32.5°	3733.8	4066.2	4107.9	4548.4	4780.5
35°	3520.9	3892.7	4087.6	4767.0	5072.3
37.5°	3285.4	3717.0	4120.3	5019.4	5339.3
40°	3056.7	3545.7	4194.6	5245.8	5516.2
42.5°	2823.4	3392.4	4319.7	5379.9	5590.6
45°	2592.5	3261.7	4458.3	5397.9	5510.6
47.5°	2361.5	3151.3	4554.1	5254.8	5203.0
50°	2138.4	3053.3	4560.8	4911.2	4699.3
52.5°	1930.0	2963.2	4436.9	4363.7	4034.7
55°	1726.1	2857.3	4151.9	3640.3	3235.8
57.5°	1540.1	2710.8	3712.4	2862.9	2421.2
60°	1343.0	2512.5	3144.6	2094.5	1746.4
62.5°	1161.6	2265.8	2508.0	1457.9	1255.1
65°	990.4	1979.6	1900.7	1056.8	909.3
67.5°	808.9	1683.2	1402.8	770.7	676.0
70°	667.0	1408.3	1044.5	599.4	544.2
72.5°	521.7	1147.0	780.8	486.7	456.3
75°	398.8	926.1	610.7	418.0	396.6
77.5°	294.0	732.3	491.2	369.5	349.3
80°	206.1	576.9	411.2	330.1	322.2
82.5°	138.6	446.2	350.4	314.3	315.4
85°	84.5	330.1	311.0	304.2	307.6
87.5°	40.6	234.3	267.0	277.2	280.6
90°	3.7	135.1	225.9	261.3	270.4
92.5°	7.8	111.3	213.3	256.5	266.5
95°	24.0	120.2	238.1	292.4	313.7
97.5°	119.6	185.3	290.8	346.2	358.2
100°	243.4	307.8	345.4	383.2	390.9
102.5°	385.1	420.4	391.9	390.6	388.6
105°	454.0	483.8	485.0	395.9	376.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	370.2	393.1	437.8	439.7	427.2
115°	319.8	335.5	379.3	391.2	388.3
117.5°	270.5	286.3	326.1	337.0	336.4
120°	227.9	242.1	276.5	286.6	287.7
122.5°	193.1	203.1	236.1	245.9	247.9
125°	160.9	170.4	200.9	210.4	212.4
127.5°	134.6	140.9	171.8	182.1	183.3
130°	118.1	121.5	146.2	158.3	160.6
132.5°	105.9	108.5	127.7	139.9	143.0
135°	95.5	98.1	112.8	126.1	127.2
137.5°	88.5	90.2	100.7	112.9	116.0
140°	81.6	84.2	90.4	102.5	103.6
142.5°	77.5	78.1	83.2	93.0	95.0
145°	74.3	73.7	75.7	83.3	86.4
147.5°	69.9	70.5	72.3	76.8	78.8
150°	67.3	68.2	66.8	69.9	72.2
152.5°	63.8	64.7	63.3	64.2	66.4
155°	61.2	62.1	60.7	61.6	61.6
157.5°	49.6	51.3	51.3	52.2	52.2
160°	47.8	48.7	49.6	49.6	49.6
162.5°	46.1	47.0	47.0	47.8	47.8
165°	45.2	45.2	46.1	46.1	46.1
167.5°	43.5	43.5	44.3	44.3	44.3
170°	42.6	42.6	42.6	43.5	43.5
172.5°	41.7	41.7	41.7	41.7	41.7
175°	40.9	40.9	40.9	40.9	40.9
177.5°	40.0	40.9	40.9	40.9	40.9
180°	40.0	40.0	40.0	40.0	40.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	457.8	488.8	512.9	438.1	384.7
110°	419.5	450.4	484.2	466.5	424.5



(END OF REPORT)