

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: P828307

Luminaire Tested: **OHBL-18HE-W-UNV-L940-CD-UPL18**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P828307
REPORT IS A COMBINATION OF REPORTS P826160 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-18HE-W-UNV-L940-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

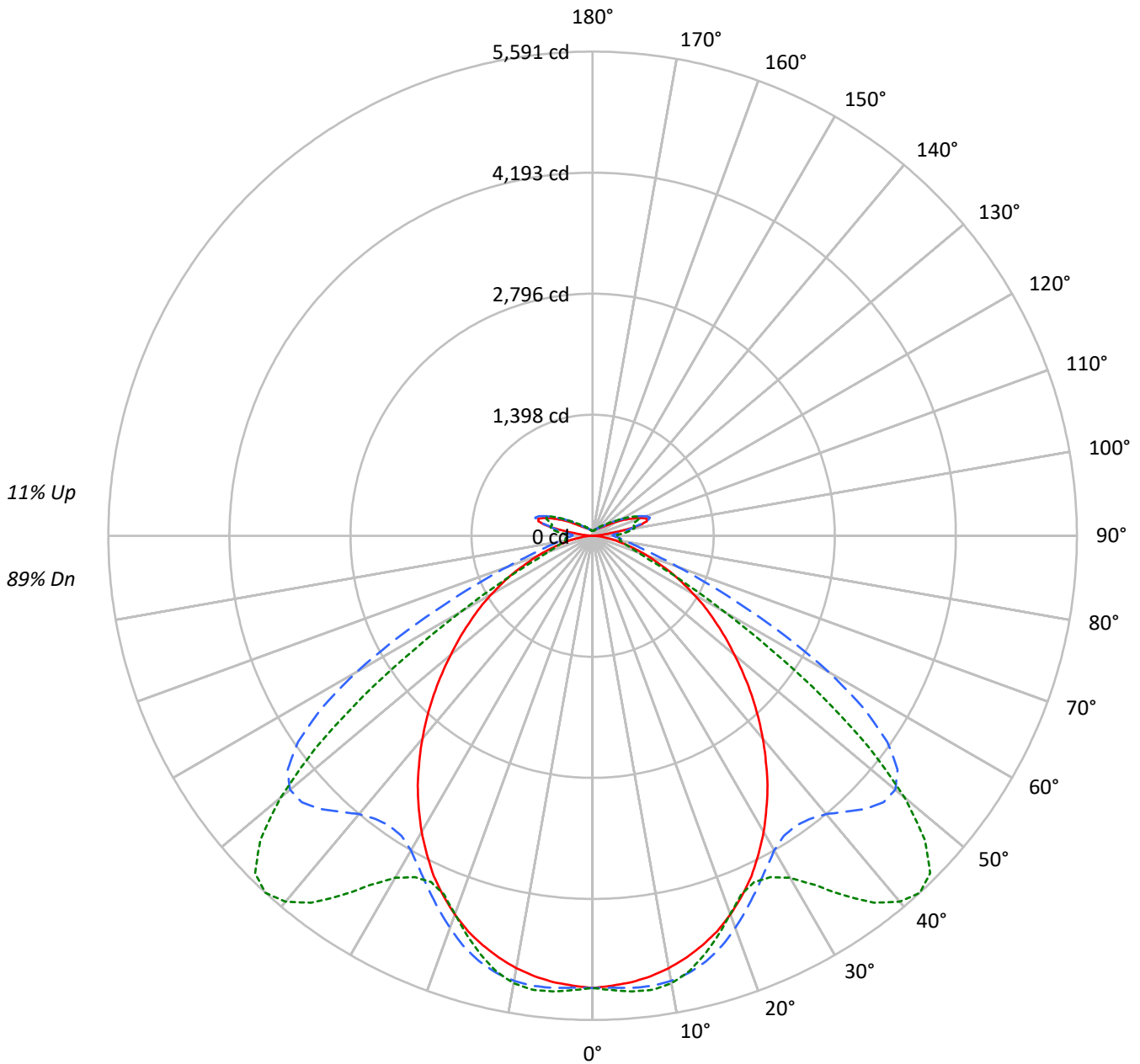
Lumens per Lamp: N/A
Luminaire Lumens: 17192.4 lumens
Efficiency: N/A
Efficacy: 149.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 115.3
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	105	105	105	98	98	98	92	92	92	89																			
1	107	102	98	94	103	99	95	92	93	90	87	87	85	82	82	80	78	75																			
2	97	89	83	77	94	87	81	76	81	76	72	76	72	69	72	69	66	63																			
3	89	79	71	65	85	76	69	63	72	66	61	68	63	58	64	60	56	53																			
4	81	70	61	55	78	68	60	54	64	57	52	60	54	50	57	52	48	46																			
5	75	62	53	47	72	60	52	46	57	50	44	54	48	43	51	46	42	39																			
6	69	56	47	41	66	54	46	40	51	44	39	48	42	38	46	41	36	34																			
7	63	50	42	36	61	49	41	35	46	39	34	44	38	33	42	36	32	30																			
8	59	46	37	31	57	44	37	31	42	35	30	40	34	29	38	33	29	27																			
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24																			
10	51	38	31	25	50	37	30	25	36	29	24	34	28	24	33	27	23	21																			

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	2.9
10°-20°	1413.1	8.2
20°-30°	2067.9	12.0
30°-40°	2685.6	15.6
40°-50°	3279.4	19.1
50°-60°	2888.0	16.8
60°-70°	1505.0	8.8
70°-80°	645.4	3.8
80°-90°	313.8	1.8
90°-100°	294.5	1.7
100°-110°	607.5	3.5
110°-120°	497.7	2.9
120°-130°	242.4	1.4
130°-140°	121.2	0.7
140°-150°	68.9	0.4
150°-160°	38.6	0.2
160°-170°	18.7	0.1
170°-180°	5.7	0.0
0°-30°	3980.0	23.1
0°-40°	6665.6	38.8
0°-60°	12833.0	74.6
0°-90°	15297.2	89.0
90°-120°	1399.7	8.1
90°-150°	1832.2	10.7
90°-180°	1895.0	11.0
0°-180°	17192.4	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°	5	141	235	273	283	8
95°	35	141	276	337	363	106
105°	649	678	650	511	483	616
115°	453	474	516	525	526	457
125°	225	239	272	283	282	211
135°	136	138	154	168	170	107
145°	103	102	106	114	116	65
155°	84	86	84	85	85	38
165°	64	65	65	66	66	18
175°	58	58	59	59	59	6
180°	58	58	58	58	58	



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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°	4.6	141.2	234.6	273.4	283.4
92.5°	11.3	120.0	228.1	275.6	288.2
95°	35.3	141.1	275.5	336.7	363.3
97.5°	171.8	242.7	353.4	421.0	438.2
100°	352.9	416.5	438.5	481.4	490.0
102.5°	550.3	589.9	511.9	498.5	495.5
105°	648.8	677.6	650.2	510.7	483.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	530.2	553.9	590.8	592.7	573.2
115°	452.8	473.8	515.8	525.1	526.5
117.5°	387.9	402.8	441.8	453.5	455.5
120°	325.3	340.3	376.5	387.4	386.8
122.5°	273.1	286.6	321.3	331.1	330.5
125°	225.3	239.1	272.2	282.6	282.0
127.5°	191.1	200.1	232.7	243.0	242.4
130°	166.8	172.8	198.3	210.5	213.6
132.5°	150.2	152.8	173.8	186.0	190.0
135°	135.5	138.1	153.6	167.8	169.8
137.5°	124.2	126.8	138.1	151.1	154.2
140°	114.6	117.2	124.3	137.3	139.3
142.5°	107.9	109.4	115.4	125.2	127.2
145°	102.9	102.4	106.2	113.7	116.0
147.5°	96.9	97.5	99.2	105.5	106.6
150°	91.6	93.4	92.9	96.0	99.1
152.5°	88.2	89.0	88.5	89.4	91.6
155°	83.8	85.6	84.2	85.0	85.0
157.5°	72.2	73.0	73.9	74.8	74.8
160°	69.6	69.6	70.4	71.3	71.3
162.5°	66.9	66.9	67.8	68.7	68.7
165°	64.3	65.2	65.2	66.1	66.1
167.5°	62.6	62.6	63.5	63.5	64.3
170°	60.9	60.9	61.7	61.7	61.7
172.5°	59.1	60.0	60.0	60.0	60.0
175°	58.3	58.3	59.1	59.1	59.1
177.5°	57.4	58.3	58.3	58.3	58.3
180°	58.3	58.3	58.3	58.3	58.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	656.0	685.3	694.6	579.8	506.5
110°	601.2	633.0	659.8	625.7	567.9



(END OF REPORT)