

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: P827708

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827708
REPORT IS A COMBINATION OF REPORTS P826232 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-W-UNV-L930-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

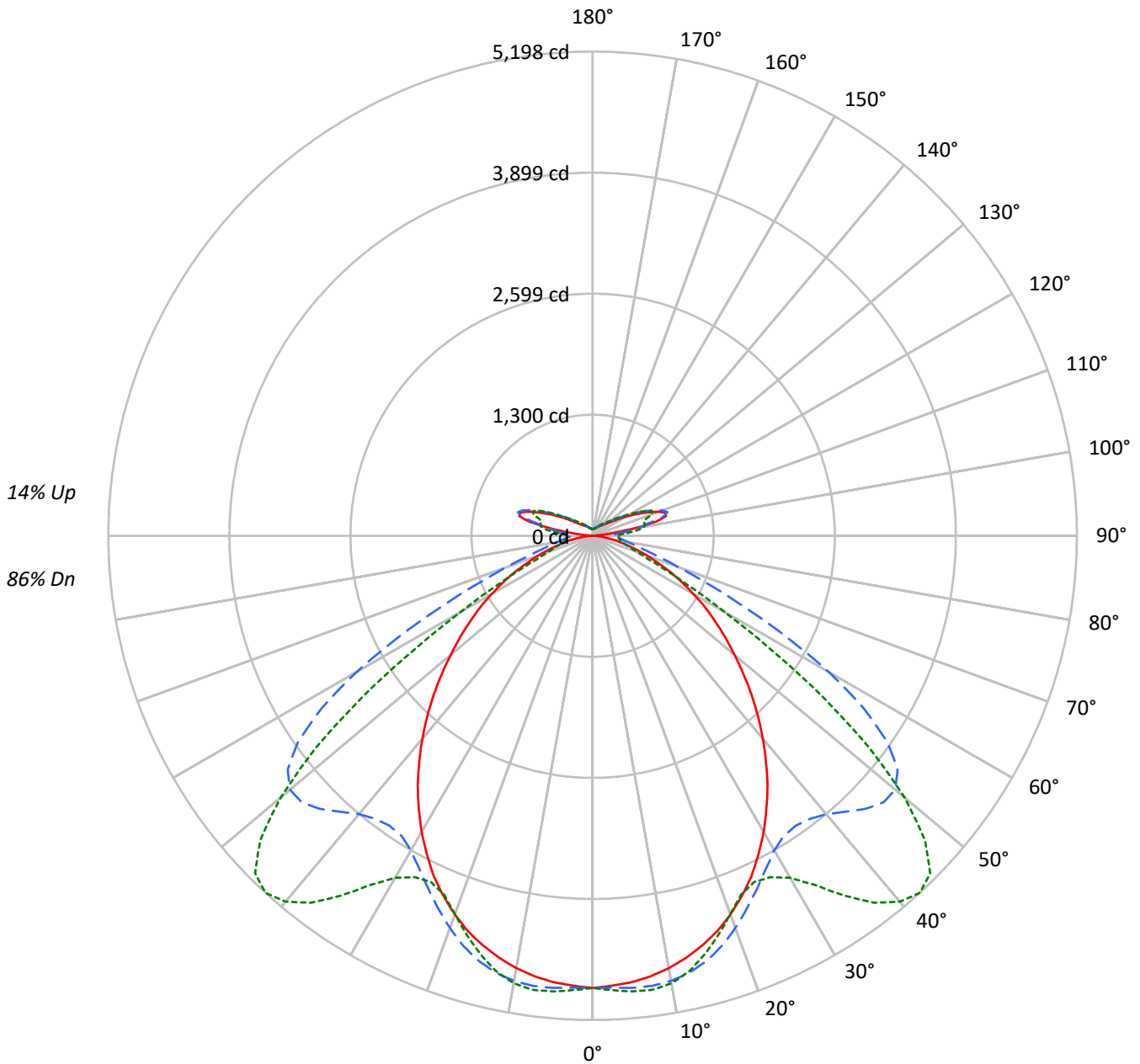
Lumens per Lamp: N/A
Luminaire Lumens: 16493.5 lumens
Efficiency: N/A
Efficacy: 137.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 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				20				20	
RC	80				70				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	96	96	96	89	89	89	86				86
1	106	102	97	94	102	98	94	91	91	88	86	85	83	81	79	78	76	73				73
2	97	89	82	77	93	86	80	75	80	75	71	75	71	68	70	67	64	61				61
3	88	78	70	64	85	76	68	63	71	65	60	66	61	57	62	58	54	52				52
4	81	69	61	54	77	67	59	53	63	56	51	59	53	49	55	51	47	44				44
5	74	62	53	46	71	60	52	46	56	49	44	53	47	42	49	44	40	38				38
6	68	55	47	40	65	54	45	40	50	43	38	47	41	37	45	39	35	33				33
7	63	50	41	35	61	48	40	35	46	39	34	43	37	32	41	35	31	29				29
8	59	45	37	31	56	44	36	31	42	35	30	39	33	29	37	32	28	26				26
9	55	41	33	28	52	40	33	27	38	31	27	36	30	26	34	29	25	23				23
10	51	38	30	25	49	37	30	25	35	29	24	33	27	23	32	26	23	21				21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8292	8292	8292
5°	8175	8281	8387
10°	8033	8268	8397
15°	7838	8131	8128
20°	7585	7852	7730
25°	7262	7513	7575
30°	6845	7262	8151
35°	6379	7396	9538
40°	5846	8010	11027
45°	5293	9086	11853
50°	4720	10047	11030
55°	4181	10034	8428
60°	3635	8489	5153
65°	3064	5861	3122
70°	2430	3789	2253
75°	1782	2715	2089
80°	1203	2383	2357
85°	719	2617	3727



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	464.0	2.8
10°-20°	1313.8	8.0
20°-30°	1922.5	11.7
30°-40°	2496.8	15.1
40°-50°	3048.9	18.5
50°-60°	2685.0	16.3
60°-70°	1399.2	8.5
70°-80°	600.0	3.6
80°-90°	293.1	1.8
90°-100°	322.8	2.0
100°-110°	734.8	4.5
110°-120°	607.9	3.7
120°-130°	294.8	1.8
130°-140°	147.6	0.9
140°-150°	84.2	0.5
150°-160°	47.5	0.3
160°-170°	23.5	0.1
170°-180°	7.1	0.0
0°-30°	3700.3	22.4
0°-40°	6197.1	37.6
0°-60°	11931.0	72.3
0°-90°	14223.3	86.2
90°-120°	1665.5	10.1
90°-150°	2192.0	13.3
90°-180°	2270.0	13.8
0°-180°	16493.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4855	4855	4855	4855	4855	
5°	4810	4847	4873	4916	4911	456
15°	4551	4679	4724	4689	4651	1282
25°	4033	4249	4176	4098	4102	1851
35°	3273	3619	3800	4432	4716	2040
45°	2410	3032	4145	5018	5123	1858
55°	1605	2656	3860	3384	3008	1440
65°	921	1840	1767	982	845	911
75°	371	861	568	389	369	404
85°	79	307	289	283	286	88
90°	5	138	229	268	279	8
95°	45	155	291	362	392	135
105°	815	839	781	604	567	774
115°	566	586	626	638	635	571
125°	281	298	329	339	337	263
135°	168	171	187	200	203	133
145°	126	127	130	137	140	79
155°	102	104	103	104	104	47
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°	4855.1	4855.1	4855.1	4855.1	4855.1
2.5°	4834.2	4855.1	4856.1	4885.5	4882.3
5°	4810.1	4846.8	4873.0	4915.9	4910.6
7.5°	4770.3	4827.9	4874.0	4921.1	4916.9
10°	4713.7	4792.3	4853.0	4891.8	4879.2
12.5°	4640.4	4744.1	4803.8	4812.2	4788.1
15°	4551.3	4679.1	4724.1	4688.6	4650.8
17.5°	4450.8	4600.5	4616.3	4538.8	4491.7
20°	4325.1	4495.8	4480.1	4373.2	4320.9
22.5°	4185.8	4380.6	4330.3	4218.2	4167.9
25°	4032.9	4248.6	4176.3	4097.8	4102.0
27.5°	3853.7	4098.8	4028.7	4064.3	4131.3
30°	3671.4	3941.7	3898.8	4106.2	4238.2
32.5°	3471.4	3780.4	3819.1	4228.7	4444.5
35°	3273.4	3619.1	3800.3	4431.9	4715.8
37.5°	3054.4	3455.7	3830.7	4666.6	4964.1
40°	2841.9	3296.5	3899.8	4877.1	5128.5
42.5°	2625.0	3154.0	4016.0	5001.7	5197.7
45°	2410.3	3032.5	4144.9	5018.5	5123.3
47.5°	2195.5	2929.8	4234.0	4885.5	4837.3
50°	1988.1	2838.7	4240.3	4566.0	4369.0
52.5°	1794.3	2754.9	4125.0	4056.9	3751.1
55°	1604.8	2656.4	3860.0	3384.4	3008.4
57.5°	1431.9	2520.2	3451.5	2661.7	2251.0
60°	1248.6	2335.9	2923.6	1947.3	1623.6
62.5°	1079.9	2106.5	2331.7	1355.4	1166.9
65°	920.8	1840.4	1767.1	982.5	845.4
67.5°	752.1	1564.9	1304.2	716.5	628.5
70°	620.2	1309.3	971.1	557.3	505.9
72.5°	485.0	1066.4	725.9	452.5	424.2
75°	370.8	861.0	567.8	388.6	368.7
77.5°	273.4	680.9	456.7	343.5	324.7
80°	191.7	536.3	382.3	306.9	299.6
82.5°	128.8	414.8	325.8	292.2	293.3
85°	78.6	306.9	289.1	282.8	286.0
87.5°	37.7	217.8	248.2	257.7	260.8
90°	5.1	138.5	228.6	268.0	278.9
92.5°	13.7	121.2	225.8	277.3	293.0
95°	44.9	154.6	290.9	362.4	391.9
97.5°	219.5	288.7	389.2	469.8	499.6
100°	449.4	519.8	503.8	551.8	562.3
102.5°	692.7	726.3	608.5	579.8	575.5
105°	815.0	838.6	780.7	604.1	566.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	659.4	688.0	719.0	715.1	691.4
115°	565.7	586.0	625.8	637.8	635.0
117.5°	485.9	498.2	536.0	547.7	549.6
120°	403.4	420.7	458.3	466.9	463.1
122.5°	339.6	354.5	387.6	397.5	393.7
125°	280.6	298.3	329.1	338.7	337.3
127.5°	237.5	249.0	280.2	291.4	291.6
130°	207.6	214.0	241.0	252.3	255.2
132.5°	184.9	190.6	210.9	224.6	225.9
135°	168.0	171.2	187.3	200.5	203.1
137.5°	154.2	156.7	168.8	181.7	183.8
140°	142.1	145.3	153.6	165.6	167.5
142.5°	132.6	134.8	141.2	151.2	152.2
145°	125.6	126.7	130.2	137.3	140.2
147.5°	118.3	120.5	122.1	128.0	129.0
150°	112.7	114.3	114.6	117.5	120.4
152.5°	107.0	108.6	109.0	109.8	111.9
155°	102.2	103.8	103.3	104.1	104.1
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°	819.2	849.7	842.2	695.1	598.6
110°	756.2	786.5	799.4	753.9	676.7



(END OF REPORT)