

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: P827707

Luminaire Tested: **OHBL-18HE-W-UNV-L930-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827707
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-L930-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

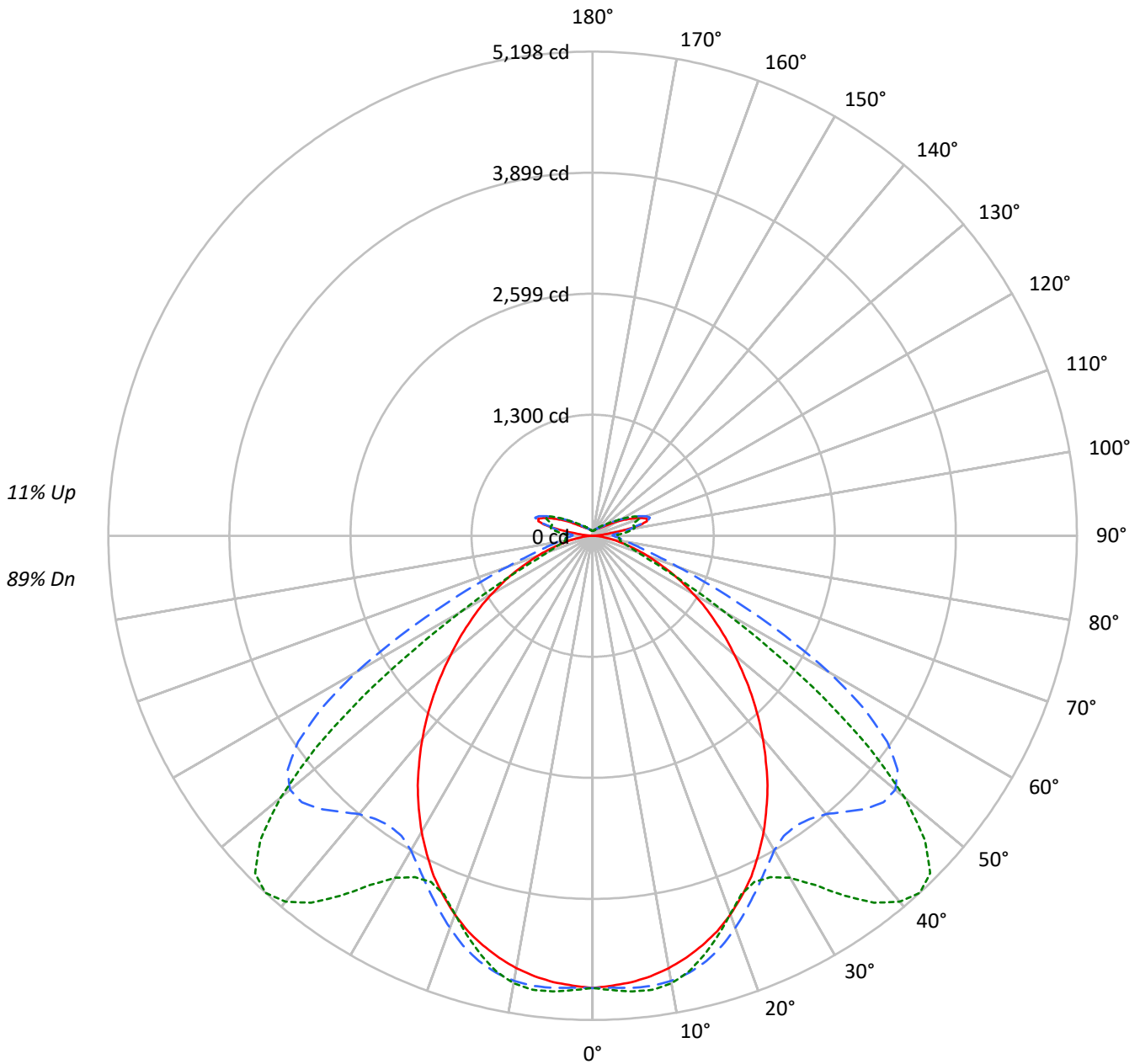
Lumens per Lamp: N/A
Luminaire Lumens: 15983.9 lumens
Efficiency: N/A
Efficacy: 138.6 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

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°	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	2.9
10°-20°	1313.8	8.2
20°-30°	1922.5	12.0
30°-40°	2496.8	15.6
40°-50°	3048.9	19.1
50°-60°	2685.0	16.8
60°-70°	1399.2	8.8
70°-80°	600.0	3.8
80°-90°	291.8	1.8
90°-100°	273.8	1.7
100°-110°	564.8	3.5
110°-120°	462.7	2.9
120°-130°	225.4	1.4
130°-140°	112.6	0.7
140°-150°	64.1	0.4
150°-160°	35.9	0.2
160°-170°	17.4	0.1
170°-180°	5.3	0.0
0°-30°	3700.3	23.2
0°-40°	6197.1	38.8
0°-60°	11931.0	74.6
0°-90°	14222.0	89.0
90°-120°	1301.3	8.1
90°-150°	1703.4	10.7
90°-180°	1762.0	11.0
0°-180°	15983.9	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°	4	131	218	254	264	8
95°	33	131	256	313	338	98
105°	603	630	604	475	449	573
115°	421	440	480	488	490	425
125°	209	222	253	263	262	196
135°	126	128	143	156	158	100
145°	96	95	99	106	108	60
155°	78	80	78	79	79	35
165°	60	61	61	61	61	17
175°	54	54	55	55	55	5
180°	54	54	54	54	54	



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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°	4.3	131.3	218.1	254.2	263.5
92.5°	10.5	111.6	212.0	256.2	268.0
95°	32.8	131.2	256.2	313.1	337.7
97.5°	159.7	225.6	328.6	391.4	407.4
100°	328.1	387.2	407.6	447.6	455.6
102.5°	511.6	548.5	475.9	463.4	460.7
105°	603.2	630.0	604.5	474.8	449.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	492.9	515.0	549.3	551.0	532.9
115°	421.0	440.5	479.5	488.2	489.5
117.5°	360.6	374.5	410.7	421.6	423.5
120°	302.4	316.4	350.0	360.2	359.6
122.5°	253.9	266.4	298.7	307.8	307.2
125°	209.4	222.3	253.1	262.7	262.1
127.5°	177.7	186.0	216.3	225.9	225.4
130°	155.0	160.7	184.4	195.7	198.6
132.5°	139.7	142.1	161.6	172.9	176.6
135°	125.9	128.4	142.8	156.0	157.9
137.5°	115.4	117.9	128.4	140.5	143.4
140°	106.5	109.0	115.6	127.6	129.5
142.5°	100.3	101.7	107.3	116.4	118.3
145°	95.7	95.2	98.7	105.7	107.8
147.5°	90.0	90.6	92.2	98.1	99.1
150°	85.2	86.8	86.3	89.2	92.2
152.5°	82.0	82.8	82.3	83.1	85.2
155°	77.9	79.5	78.2	79.1	79.1
157.5°	67.1	67.9	68.7	69.5	69.5
160°	64.7	64.7	65.5	66.3	66.3
162.5°	62.2	62.2	63.0	63.9	63.9
165°	59.8	60.6	60.6	61.4	61.4
167.5°	58.2	58.2	59.0	59.0	59.8
170°	56.6	56.6	57.4	57.4	57.4
172.5°	55.0	55.8	55.8	55.8	55.8
175°	54.2	54.2	55.0	55.0	55.0
177.5°	53.4	54.2	54.2	54.2	54.2
180°	54.2	54.2	54.2	54.2	54.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	609.9	637.1	645.8	539.1	470.9
110°	559.0	588.5	613.4	581.7	528.0



(END OF REPORT)