

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: P827695

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827695
REPORT IS A COMBINATION OF REPORTS P826156 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-MCL-UNV-L930-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

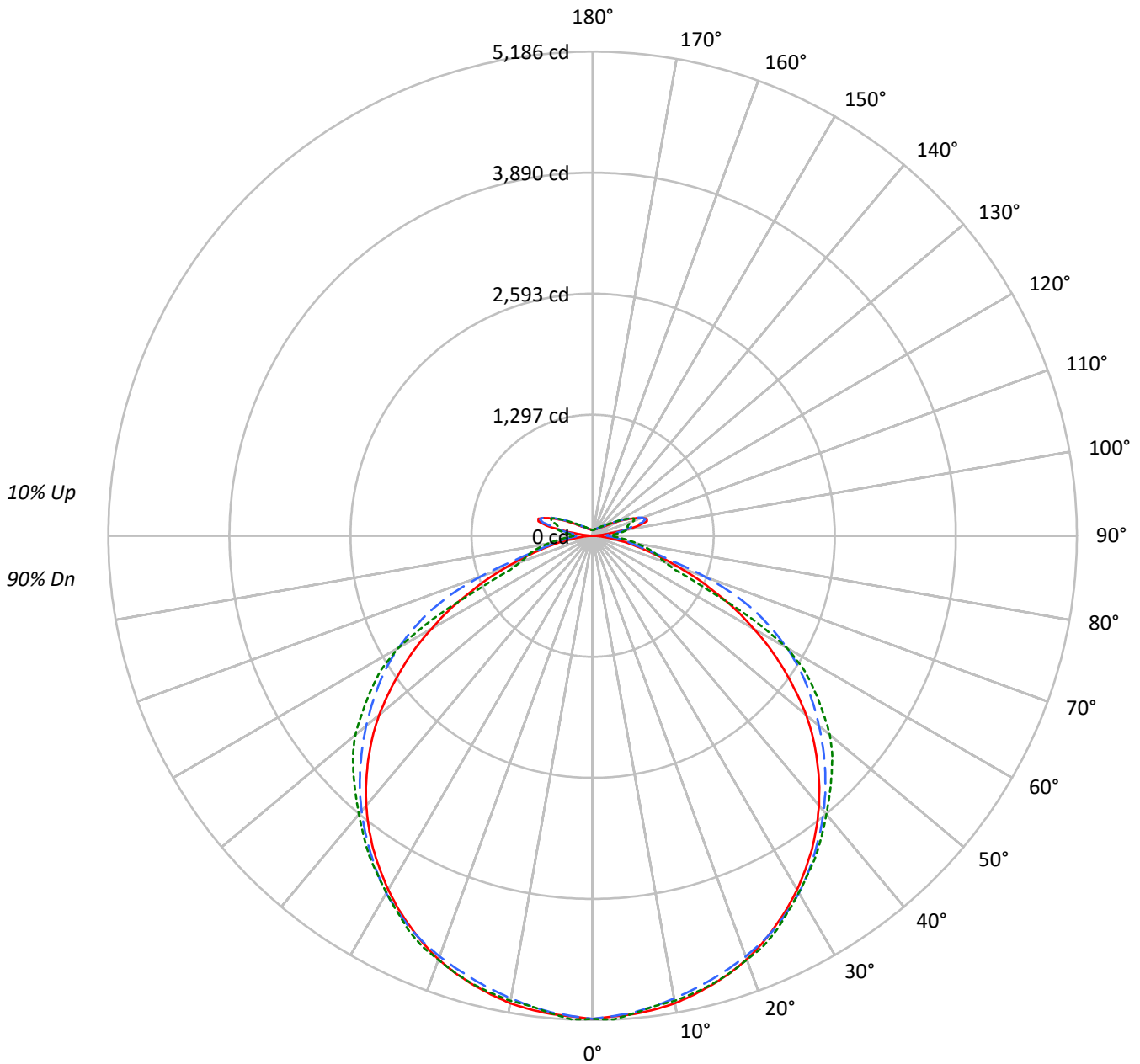
Lumens per Lamp: N/A
Luminaire Lumens: 16073.7 lumens
Efficiency: N/A
Efficacy: 139.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

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					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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90								
1	107	102	98	94	103	99	95	92	93	90	87	87	85	83	82	80	79	76								
2	97	89	83	77	94	87	81	76	82	77	72	77	73	69	72	69	66	64								
3	89	79	71	64	86	76	69	63	72	66	61	68	63	59	64	60	56	54								
4	81	70	61	55	78	68	60	54	64	57	52	60	55	50	57	52	48	46								
5	75	62	53	47	72	61	52	46	57	50	45	54	48	43	51	46	42	40								
6	69	56	47	41	66	54	46	40	52	45	39	49	43	38	47	41	37	35								
7	64	51	42	36	62	49	41	36	47	40	35	45	38	34	43	37	33	31								
8	59	46	38	32	57	45	37	32	43	36	31	41	35	30	39	33	29	27								
9	55	42	34	29	54	41	34	28	39	33	28	38	32	27	36	30	26	25								
10	52	39	31	26	50	38	31	26	36	30	25	35	29	25	33	28	24	22								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8839	8839	8839
5°	8738	8707	8766
10°	8664	8571	8705
15°	8566	8468	8684
20°	8468	8402	8646
25°	8321	8335	8610
30°	8163	8233	8489
35°	7981	8072	8445
40°	7757	7906	8372
45°	7465	7714	8375
50°	7085	7496	8376
55°	6518	7280	8142
60°	5797	6968	7618
65°	4885	6393	4904
70°	3840	4980	3633
75°	2776	2948	3808
80°	1817	2439	3838
85°	910	2215	4037



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	488.0	3.0
10°-20°	1399.2	8.7
20°-30°	2137.0	13.3
30°-40°	2593.0	16.1
40°-50°	2717.7	16.9
50°-60°	2462.6	15.3
60°-70°	1651.1	10.3
70°-80°	741.4	4.6
80°-90°	272.7	1.7
90°-100°	219.4	1.4
100°-110°	518.9	3.2
110°-120°	432.1	2.7
120°-130°	208.9	1.3
130°-140°	106.3	0.7
140°-150°	62.4	0.4
150°-160°	37.2	0.2
160°-170°	19.8	0.1
170°-180°	6.0	0.0
0°-30°	4024.2	25.0
0°-40°	6617.2	41.2
0°-60°	11797.5	73.4
0°-90°	14462.6	90.0
90°-120°	1170.4	7.3
90°-150°	1548.0	9.6
90°-180°	1611.0	10.0
0°-180°	16073.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5175	5175	5175	5175	5175	
5°	5141	5159	5123	5139	5132	489
15°	4974	4955	4920	4963	4969	1404
25°	4621	4601	4633	4676	4662	2130
35°	4096	4106	4148	4192	4175	2560
45°	3399	3455	3519	3609	3620	2619
55°	2502	2622	2801	2913	2906	2233
65°	1468	1698	1928	1627	1328	1463
75°	578	838	617	631	672	631
85°	100	191	245	296	310	121
90°	4	84	154	195	206	8
95°	31	106	191	240	263	98
105°	602	610	549	408	383	572
115°	421	428	440	442	442	424
125°	207	218	231	232	232	195
135°	126	130	134	140	141	100
145°	94	96	99	100	101	60
155°	77	79	80	81	80	36
165°	68	69	69	70	70	19
175°	62	62	62	62	62	6
180°	62	62	62	62	62	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5175.0	5175.0	5175.0	5175.0	5175.0
2.5°	5154.0	5175.8	5148.8	5177.9	5185.5
5°	5141.3	5159.3	5123.4	5139.1	5132.4
7.5°	5118.1	5124.1	5081.4	5094.2	5080.7
10°	5083.7	5080.7	5030.6	5055.2	5058.2
12.5°	5032.8	5023.8	4978.9	5016.4	5017.1
15°	4974.4	4955.0	4919.8	4963.2	4969.2
17.5°	4907.1	4881.7	4858.5	4914.6	4905.6
20°	4828.5	4798.6	4794.1	4855.5	4833.0
22.5°	4731.3	4708.1	4718.6	4776.9	4762.7
25°	4621.2	4601.0	4633.2	4675.9	4662.4
27.5°	4505.2	4493.3	4530.0	4562.9	4536.7
30°	4378.1	4371.3	4420.0	4446.9	4414.0
32.5°	4239.6	4241.9	4288.3	4324.9	4294.3
35°	4096.0	4105.7	4147.6	4191.8	4175.3
37.5°	3938.1	3959.8	4001.7	4051.9	4034.6
40°	3771.2	3802.6	3849.0	3909.7	3894.0
42.5°	3590.9	3630.5	3690.4	3757.8	3756.2
45°	3399.4	3454.7	3519.1	3608.9	3620.1
47.5°	3200.3	3262.4	3344.0	3463.7	3480.9
50°	2984.0	3061.9	3163.7	3307.3	3317.8
52.5°	2743.2	2849.4	2984.0	3121.8	3109.0
55°	2501.5	2621.9	2800.7	2913.0	2906.3
57.5°	2260.5	2395.9	2612.9	2693.0	2692.2
60°	1991.1	2162.5	2399.7	2460.2	2400.4
62.5°	1742.0	1926.0	2172.2	2128.0	1923.0
65°	1468.1	1697.8	1927.6	1626.7	1328.2
67.5°	1224.9	1464.4	1637.2	1114.1	954.0
70°	980.2	1244.3	1276.5	826.8	815.6
72.5°	763.2	1044.6	880.7	707.9	743.7
75°	577.6	838.1	616.6	630.8	672.0
77.5°	421.3	643.5	479.7	553.0	586.6
80°	289.5	455.7	391.3	464.6	487.8
82.5°	181.8	300.8	313.6	374.1	398.1
85°	99.5	190.8	244.7	295.5	309.8
87.5°	41.1	115.3	187.0	228.2	240.2
90°	4.0	83.8	153.9	195.0	206.5
92.5°	11.2	75.3	147.7	189.4	201.1
95°	31.4	106.0	191.1	240.5	262.9
97.5°	159.2	203.6	265.0	315.5	331.4
100°	327.2	367.3	346.8	373.2	380.3
102.5°	511.4	528.6	417.8	392.8	390.2
105°	602.0	610.5	548.7	408.1	382.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	491.9	500.4	505.6	499.4	480.7
115°	420.7	428.5	440.4	441.6	442.2
117.5°	359.2	363.2	376.0	378.9	381.1
120°	301.0	307.4	320.4	321.7	320.8
122.5°	252.5	259.8	272.1	273.4	272.5
125°	207.3	217.8	230.9	232.3	231.5
127.5°	177.3	184.6	197.9	199.3	198.4
130°	154.7	161.1	169.8	173.5	174.4
132.5°	140.1	143.3	150.4	154.1	155.8
135°	126.3	129.6	134.3	139.7	141.2
137.5°	116.6	119.1	122.3	127.6	129.2
140°	107.8	110.2	111.8	116.4	118.0
142.5°	99.7	102.9	104.5	107.6	109.1
145°	94.0	96.4	98.9	100.4	101.1
147.5°	89.2	90.8	92.4	94.0	94.7
150°	84.3	85.9	87.5	88.4	89.2
152.5°	81.1	81.9	83.5	84.3	84.3
155°	77.0	79.4	80.2	81.0	80.3
157.5°	74.6	76.1	77.0	77.8	77.8
160°	72.2	72.9	73.7	74.5	74.5
162.5°	70.5	70.5	71.3	72.1	72.1
165°	68.1	68.9	68.9	69.7	69.7
167.5°	66.4	67.2	67.3	67.3	68.1
170°	64.8	64.8	65.6	64.9	64.9
172.5°	63.2	64.0	64.0	63.3	63.3
175°	62.4	62.4	62.5	61.7	61.7
177.5°	62.3	62.4	61.7	60.9	60.1
180°	61.7	61.7	61.7	61.7	61.7



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	608.4	618.9	594.4	477.4	408.6
110°	558.2	572.1	566.6	524.9	470.5



(END OF REPORT)