

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: P827702

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827702
REPORT IS A COMBINATION OF REPORTS P826230 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-N-UNV-L930-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

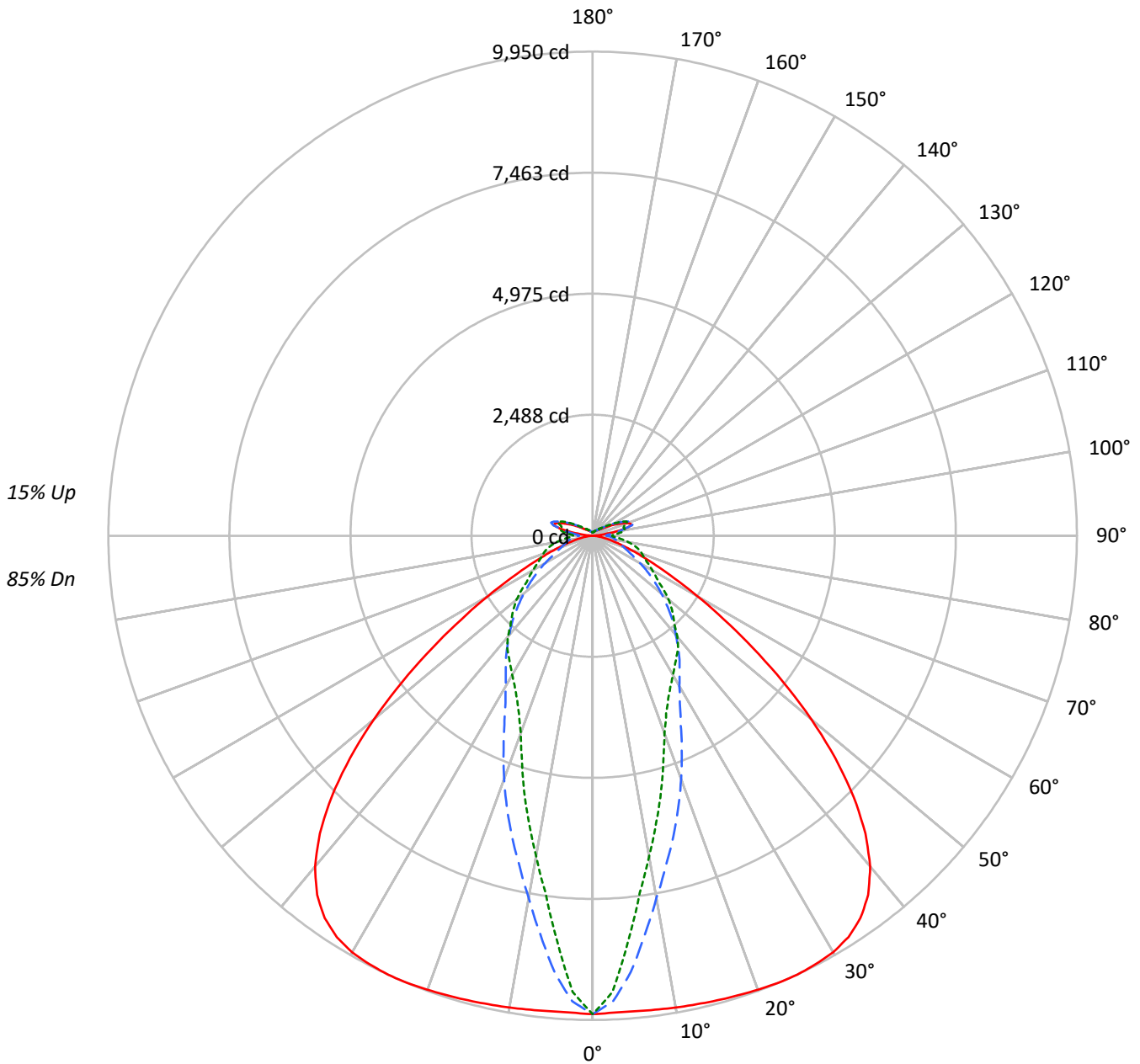
Lumens per Lamp: N/A
Luminaire Lumens: 16463.5 lumens
Efficiency: N/A
Efficacy: 136.7 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

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									
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	111	111	111	111	103	103	103	95	95	95	88	88	88	85																			
1	106	102	98	94	102	98	95	91	91	88	86	85	83	81	79	77	76	73																			
2	98	90	84	79	94	87	81	77	81	77	73	76	72	69	71	68	65	63																			
3	90	80	73	67	86	78	71	66	73	67	63	68	64	60	64	60	57	54																			
4	83	72	64	58	80	70	63	57	66	60	55	62	57	53	58	54	50	48																			
5	77	65	57	51	74	63	56	50	60	53	48	56	51	47	53	48	45	42																			
6	71	59	51	45	69	58	50	45	55	48	43	52	46	42	49	44	40	38																			
7	67	54	46	41	64	53	45	40	50	44	39	47	42	38	45	40	36	34																			
8	62	50	42	37	60	49	41	36	46	40	35	44	38	34	42	37	33	31																			
9	59	46	39	34	56	45	38	33	43	37	32	41	35	31	39	34	30	29																			
10	55	43	36	31	53	42	35	30	40	34	30	38	33	29	36	32	28	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16788	16788	16788
5°	16673	15289	14284
10°	16779	12878	11510
15°	17022	11014	9494
20°	17411	9313	7718
25°	17916	7708	6799
30°	18429	6641	6353
35°	18694	6052	6091
40°	18246	5467	5819
45°	16654	4940	5430
50°	13921	4364	5144
55°	10462	3823	4628
60°	7232	3279	4492
65°	4779	2823	4477
70°	3184	2650	4813
75°	2131	2733	5333
80°	1380	3027	5838
85°	710	3786	6960



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	827.4	5.0
10°-20°	1946.5	11.8
20°-30°	2439.9	14.8
30°-40°	2589.0	15.7
40°-50°	2340.9	14.2
50°-60°	1697.3	10.3
60°-70°	1065.1	6.5
70°-80°	704.9	4.3
80°-90°	411.1	2.5
90°-100°	384.1	2.3
100°-110°	786.4	4.8
110°-120°	641.9	3.9
120°-130°	308.3	1.9
130°-140°	152.6	0.9
140°-150°	87.9	0.5
150°-160°	49.7	0.3
160°-170°	23.5	0.1
170°-180°	7.1	0.0
0°-30°	5213.8	31.7
0°-40°	7802.8	47.4
0°-60°	11840.9	71.9
0°-90°	14021.9	85.2
90°-120°	1812.5	11.0
90°-150°	2361.3	14.3
90°-180°	2442.0	14.8
0°-180°	16463.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9829	9829	9829	9829	9829	
5°	9810	9558	8997	8580	8363	938
15°	9884	8057	6399	5691	5432	2803
25°	9950	6230	4285	3803	3682	4597
35°	9594	4142	3110	3012	3011	5964
45°	7584	2623	2254	2308	2347	5778
55°	4015	1626	1471	1595	1652	3628
65°	1436	943	851	1091	1212	1494
75°	444	508	572	888	941	494
85°	78	210	418	582	534	93
90°	4	115	280	392	400	8
95°	47	152	352	474	512	136
105°	818	843	838	692	658	777
115°	570	594	670	694	692	574
125°	284	303	347	360	357	266
135°	171	176	194	209	210	135
145°	128	133	137	145	145	81
155°	105	109	112	114	112	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°	9829.3	9829.3	9829.3	9829.3	9829.3
2.5°	9808.8	9752.6	9577.7	9471.1	9381.3
5°	9809.7	9558.1	8996.8	8579.6	8363.4
7.5°	9823.8	9264.3	8253.1	7644.0	7406.4
10°	9845.3	8900.4	7558.9	6909.6	6687.9
12.5°	9861.2	8490.7	6948.0	6281.0	6037.8
15°	9884.5	8056.6	6398.8	5690.7	5432.5
17.5°	9906.1	7647.8	5856.3	5116.3	4829.1
20°	9927.6	7207.2	5313.7	4551.2	4314.6
22.5°	9948.2	6742.2	4784.2	4112.5	3950.6
25°	9950.0	6229.5	4284.7	3802.8	3682.1
27.5°	9925.8	5698.2	3879.5	3543.7	3468.9
30°	9883.7	5182.7	3565.2	3356.6	3303.3
32.5°	9778.9	4657.0	3322.0	3176.0	3145.1
35°	9593.6	4141.5	3109.7	3012.3	3011.4
37.5°	9301.7	3684.1	2879.5	2862.6	2883.2
40°	8870.5	3283.6	2661.5	2706.5	2706.5
42.5°	8295.1	2935.6	2464.1	2510.0	2497.8
45°	7584.2	2623.1	2253.6	2307.9	2347.2
47.5°	6760.0	2348.1	2038.5	2143.2	2197.5
50°	5863.7	2086.1	1842.0	1975.8	2037.6
52.5°	4924.5	1843.9	1650.2	1803.6	1853.3
55°	4015.2	1625.9	1470.6	1595.0	1652.1
57.5°	3191.9	1418.2	1294.7	1412.6	1530.5
60°	2483.8	1239.6	1129.2	1297.5	1415.4
62.5°	1897.2	1080.5	973.9	1189.9	1307.8
65°	1436.0	943.0	851.3	1090.8	1212.4
67.5°	1082.4	824.2	755.9	1018.7	1137.6
70°	812.9	709.2	679.2	973.9	1080.5
72.5°	600.6	603.4	618.4	934.6	1016.0
75°	443.5	508.0	571.6	887.8	941.1
77.5°	317.1	421.0	529.5	831.7	850.4
80°	219.9	343.3	485.6	757.7	741.9
82.5°	137.5	275.1	446.2	676.3	632.4
85°	77.7	210.5	418.2	581.9	534.1
87.5°	34.6	157.1	365.8	453.7	423.8
90°	4.0	115.4	280.2	391.6	400.0
92.5°	15.6	109.4	281.8	394.9	414.8
95°	46.6	151.5	352.4	474.3	511.7
97.5°	222.1	289.5	453.2	575.8	613.7
100°	451.8	522.3	566.6	652.1	668.7
102.5°	696.1	730.4	668.9	673.3	674.3
105°	818.3	843.0	837.5	691.6	657.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	662.5	694.6	766.9	779.2	757.9
115°	569.6	594.0	669.8	694.4	692.3
117.5°	489.8	504.6	574.2	596.9	598.6
120°	407.3	427.4	490.8	506.4	501.6
122.5°	343.5	360.6	412.2	426.6	420.7
125°	284.5	302.7	346.8	360.0	356.6
127.5°	241.4	253.8	292.8	306.7	305.0
130°	211.5	219.9	250.4	264.3	265.1
132.5°	188.0	195.5	218.0	234.3	233.5
135°	171.0	176.1	193.9	208.6	210.2
137.5°	157.3	162.5	174.8	189.4	189.4
140°	145.2	150.3	159.9	172.7	173.5
142.5°	135.6	139.8	146.7	157.7	157.7
145°	128.4	132.6	136.9	145.2	145.1
147.5°	121.2	126.3	128.8	135.1	134.2
150°	115.5	120.0	122.4	125.9	125.9
152.5°	109.9	114.3	116.7	119.4	118.4
155°	105.0	109.4	112.0	113.7	111.9
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°	821.5	855.6	896.4	773.6	681.5
110°	759.3	792.8	851.9	824.3	751.6



(END OF REPORT)