

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: P827693

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

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P827693
REPORT IS A COMBINATION OF REPORTS P826227 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-A-UNV-L930-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

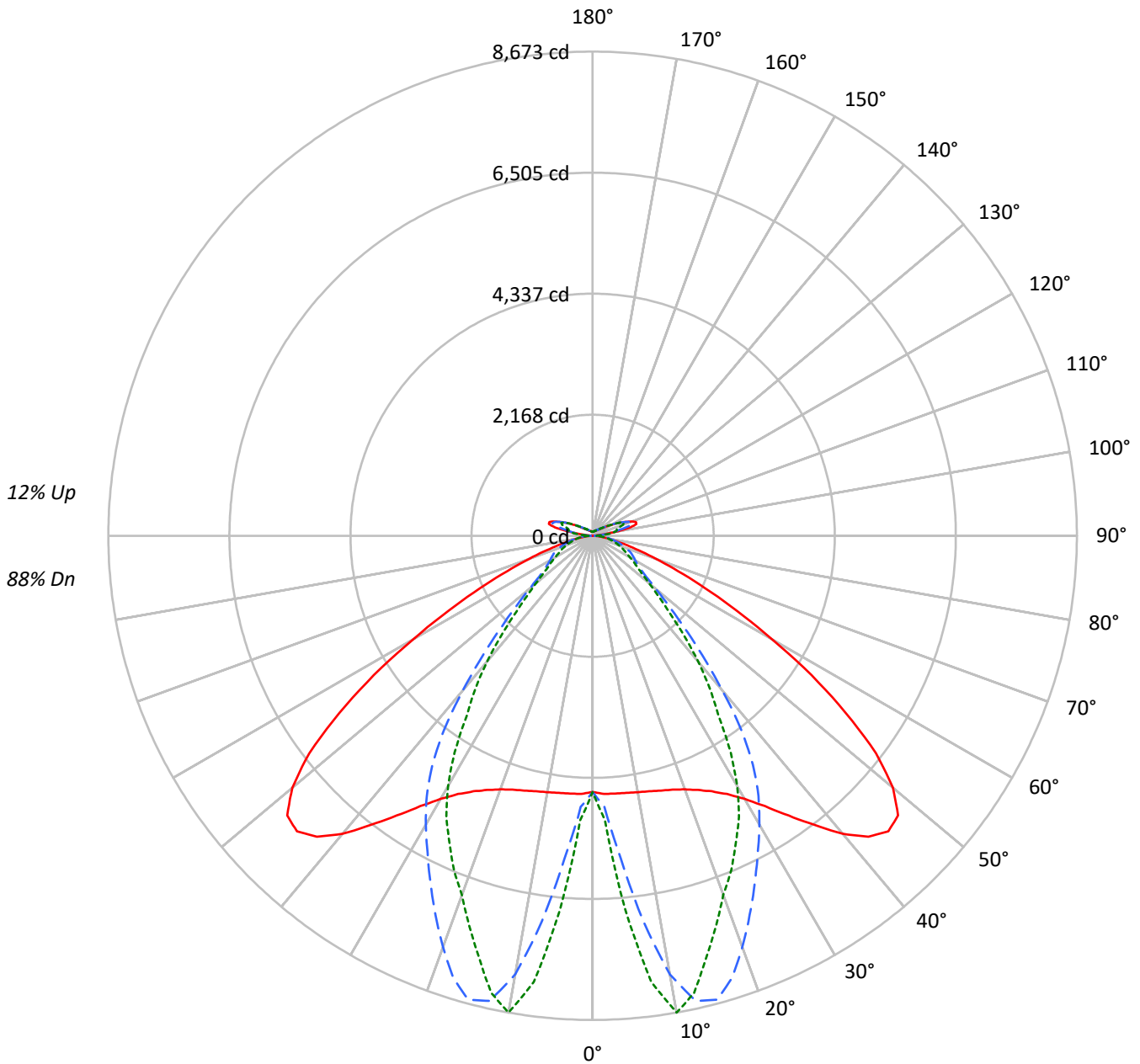
Lumens per Lamp: N/A
Luminaire Lumens: 16684.2 lumens
Efficiency: N/A
Efficacy: 138.6 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 120.4
Input Voltage (V): NR
Input Current (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	91	91	91	88																			
1	108	104	100	97	104	100	97	94	94	92	89	88	86	85	83	81	80	77																			
2	100	93	87	82	96	90	85	80	85	80	77	80	76	73	75	72	70	67																			
3	92	83	76	71	89	81	74	69	76	71	67	72	68	64	68	65	62	59																			
4	85	75	67	61	82	73	66	60	69	63	58	65	60	56	62	58	55	52																			
5	79	68	60	54	76	66	59	53	63	56	52	60	54	50	57	52	49	46																			
6	73	62	54	48	71	60	53	47	57	51	46	55	49	45	52	47	44	42																			
7	68	56	49	43	66	55	48	43	53	46	42	50	45	40	48	43	39	37																			
8	64	52	44	39	62	51	43	38	48	42	38	46	41	37	44	40	36	34																			
9	60	48	40	35	58	47	40	35	45	39	34	43	37	33	41	36	33	31																			
10	56	44	37	32	55	43	37	32	42	36	31	40	35	31	39	34	30	28																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7839	7839	7839
5°	7879	9859	11491
10°	7949	13593	14926
15°	8139	14808	13699
20°	8475	13739	12243
25°	9093	12356	11199
30°	10140	11126	9958
35°	11920	9738	7935
40°	14333	7416	6315
45°	16441	5052	4495
50°	16668	3466	3325
55°	14427	2727	2716
60°	10777	2552	2443
65°	7387	2560	2315
70°	4723	2469	2242
75°	2840	2285	2145
80°	1671	2008	2213
85°	804	1725	2052



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	599.2	3.6
10°-20°	2114.8	12.7
20°-30°	3116.2	18.7
30°-40°	3274.7	19.6
40°-50°	2505.7	15.0
50°-60°	1513.1	9.1
60°-70°	923.3	5.5
70°-80°	504.0	3.0
80°-90°	181.9	1.1
90°-100°	187.4	1.1
100°-110°	650.6	3.9
110°-120°	558.1	3.3
120°-130°	267.8	1.6
130°-140°	134.0	0.8
140°-150°	77.7	0.5
150°-160°	45.3	0.3
160°-170°	23.5	0.1
170°-180°	7.1	0.0
0°-30°	5830.2	34.9
0°-40°	9104.9	54.6
0°-60°	13123.7	78.7
0°-90°	14732.8	88.3
90°-120°	1396.2	8.4
90°-150°	1875.5	11.2
90°-180°	1951.0	11.7
0°-180°	16684.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4590	4590	4590	4590	4590	
5°	4636	4973	5802	6478	6728	443
15°	4726	7361	8603	8028	7839	1344
25°	5050	8543	6868	6218	6064	2360
35°	6117	6841	5004	4167	3923	3881
45°	7487	3904	2305	2028	1943	5657
55°	5537	1324	1049	972	970	4893
65°	2220	838	772	660	627	2275
75°	591	521	478	394	378	680
85°	88	162	190	174	158	109
90°	4	28	38	50	56	8
95°	43	90	139	184	209	133
105°	811	802	682	486	446	769
115°	559	565	565	563	559	564
125°	273	288	293	293	290	256
135°	162	165	171	172	174	128
145°	117	120	123	124	124	75
155°	94	95	97	98	98	44
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°	4589.6	4589.6	4589.6	4589.6	4589.6
2.5°	4627.2	4674.4	4860.6	5053.9	5100.9
5°	4635.6	4973.4	5801.7	6478.1	6728.2
7.5°	4645.5	5457.7	6967.8	7796.0	8061.1
10°	4664.2	6070.2	7978.2	8572.8	8673.0
12.5°	4687.4	6719.1	8534.2	8512.6	8386.2
15°	4726.0	7360.8	8602.8	8027.6	7838.9
17.5°	4766.5	7903.9	8304.0	7499.8	7335.5
20°	4832.5	8306.9	7839.3	7030.6	6843.8
22.5°	4927.5	8528.6	7352.0	6606.3	6484.4
25°	5050.1	8542.9	6868.1	6218.0	6064.5
27.5°	5214.5	8344.7	6404.2	5837.5	5675.4
30°	5438.1	7965.2	5973.2	5378.8	5177.7
32.5°	5741.8	7419.1	5528.8	4824.9	4599.4
35°	6117.2	6841.2	5003.5	4166.9	3923.2
37.5°	6527.0	6199.7	4366.1	3584.1	3442.2
40°	6967.8	5538.6	3610.5	3038.8	2937.2
42.5°	7311.9	4819.8	2908.6	2525.2	2417.2
45°	7487.2	3903.7	2304.8	2028.1	1942.9
47.5°	7418.9	3030.3	1827.2	1611.5	1585.9
50°	7020.4	2237.5	1462.7	1327.4	1316.9
52.5°	6397.3	1667.8	1208.2	1124.6	1106.3
55°	5537.0	1323.7	1049.2	972.4	969.5
57.5°	4648.8	1124.6	952.4	892.9	872.3
60°	3701.4	1002.7	879.0	811.8	769.9
62.5°	2901.4	917.5	825.0	733.9	694.8
65°	2219.8	838.0	771.9	660.5	626.9
67.5°	1654.7	762.3	707.0	583.4	563.7
70°	1205.6	684.5	632.9	518.8	503.3
72.5°	859.3	607.0	559.0	458.2	441.0
75°	591.1	521.1	478.0	394.4	378.5
77.5°	398.8	433.6	398.3	336.8	330.0
80°	266.3	343.9	322.2	285.3	281.2
82.5°	161.6	249.5	254.3	232.1	220.8
85°	87.9	161.6	190.5	173.5	157.5
87.5°	34.4	89.6	131.3	117.9	111.0
90°	4.0	27.5	38.0	50.1	55.8
92.5°	13.7	36.4	58.2	82.4	93.0
95°	42.8	89.7	139.0	184.3	208.6
97.5°	217.4	235.2	253.0	306.4	333.0
100°	446.2	473.7	382.3	404.2	411.4
102.5°	689.5	685.5	499.6	447.8	441.4
105°	810.8	801.9	682.2	485.8	446.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	653.1	662.8	649.9	631.3	605.4
115°	559.4	565.0	565.0	563.4	558.6
117.5°	478.5	479.3	482.6	481.8	482.6
120°	396.1	405.0	412.2	408.2	403.4
122.5°	332.2	341.9	346.8	345.2	340.3
125°	273.2	287.8	293.4	292.6	290.2
127.5°	231.2	241.7	249.8	250.6	249.8
130°	201.3	207.7	215.8	216.6	217.4
132.5°	178.6	184.3	190.0	193.2	192.4
135°	161.7	164.9	170.6	172.2	173.8
137.5°	147.9	150.4	155.2	157.6	157.6
140°	135.8	139.0	143.1	144.7	145.5
142.5°	125.3	128.5	131.8	133.4	133.4
145°	117.2	120.4	122.9	123.7	124.5
147.5°	109.9	113.2	114.8	116.4	116.4
150°	104.3	105.9	108.3	109.1	109.9
152.5°	98.6	100.2	102.7	103.5	103.5
155°	93.8	95.4	97.0	97.8	97.8
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°	814.0	817.2	754.2	589.3	490.7
110°	750.9	758.2	721.8	659.6	580.4



(END OF REPORT)