

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: P828063

Luminaire Tested: **OHBL-30HE-A-UNV-L935-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828063
REPORT IS A COMBINATION OF REPORTS P826119 AND G3-2310-221-10
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30HE-A-UNV-L935-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

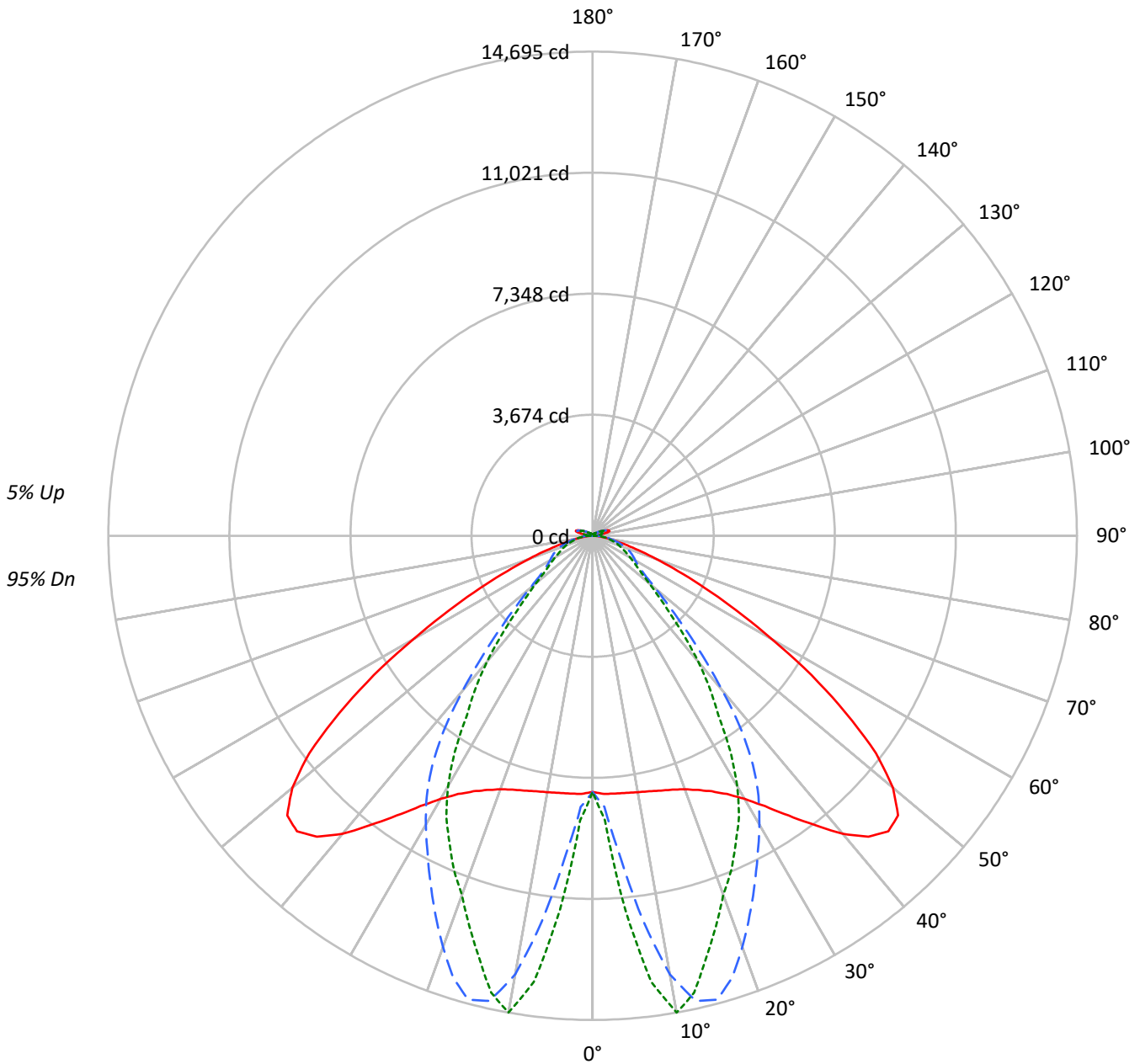
Lumens per Lamp: N/A
Luminaire Lumens: 26219.3 lumens
Efficiency: N/A
Efficacy: 150.6 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 174.1
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	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	95																			
1	109	105	102	99	106	103	100	97	98	95	93	93	91	89	89	87	86	83																			
2	101	94	88	84	98	92	87	82	88	83	80	84	80	77	80	77	75	73																			
3	94	85	78	72	91	83	76	71	79	74	69	76	71	68	73	69	66	64																			
4	87	76	69	63	84	75	68	62	72	66	61	69	64	60	66	62	58	56																			
5	81	69	61	56	78	68	61	55	65	59	54	63	57	53	61	56	52	50																			
6	75	63	55	49	73	62	54	49	60	53	48	58	52	48	56	51	47	45																			
7	70	58	50	44	68	57	49	44	55	48	43	53	47	43	51	46	42	40																			
8	65	53	45	40	64	52	45	40	51	44	39	49	43	39	48	42	38	37																			
9	61	49	42	37	60	48	41	36	47	40	36	46	40	36	44	39	35	33																			
10	58	46	38	33	56	45	38	33	44	37	33	42	37	33	41	36	32	31																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12298	12298	12298
5°	12368	15474	18027
10°	12487	21344	23416
15°	12793	23262	21491
20°	13330	21594	19207
25°	14313	19430	17568
30°	15971	17504	15622
35°	18791	15329	12449
40°	22615	11681	9907
45°	25967	7964	7051
50°	26356	5467	5215
55°	22845	4307	4261
60°	17094	4035	3833
65°	11742	4054	3631
70°	7530	3918	3517
75°	4547	3637	3364
80°	2694	3211	3472
85°	1314	2783	3219



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1015.2	3.9
10°-20°	3583.1	13.7
20°-30°	5279.8	20.1
30°-40°	5548.3	21.2
40°-50°	4245.5	16.2
50°-60°	2563.6	9.8
60°-70°	1564.4	6.0
70°-80°	853.8	3.3
80°-90°	302.9	1.2
90°-100°	121.4	0.5
100°-110°	420.5	1.6
110°-120°	361.3	1.4
120°-130°	173.4	0.7
130°-140°	86.7	0.3
140°-150°	50.3	0.2
150°-160°	29.3	0.1
160°-170°	15.2	0.1
170°-180°	4.6	0.0
0°-30°	9878.1	37.7
0°-40°	15426.4	58.8
0°-60°	22235.4	84.8
0°-90°	24956.5	95.2
90°-120°	903.2	3.4
90°-150°	1213.6	4.6
90°-180°	1263.0	4.8
0°-180°	26219.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7776	7776	7776	7776	7776	
5°	7854	8426	9830	10976	11399	751
15°	8007	12472	14576	13601	13281	2277
25°	8556	14474	11636	10535	10275	3999
35°	10364	11591	8477	7060	6647	6575
45°	12686	6614	3905	3436	3292	9585
55°	9381	2243	1778	1648	1643	8290
65°	3761	1420	1308	1119	1062	3854
75°	1001	883	810	668	641	1152
85°	149	274	323	294	267	184
90°	2	18	24	32	36	10
95°	23	60	89	118	138	83
105°	528	520	443	313	288	499
115°	363	363	367	365	358	367
125°	176	186	191	189	188	166
135°	104	108	110	112	112	83
145°	76	78	79	81	81	48
155°	61	62	63	63	64	29
165°	52	52	53	53	53	15
175°	48	48	48	48	48	5
180°	48	48	48	48	48	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7776.2	7776.2	7776.2	7776.2	7776.2
2.5°	7839.8	7919.8	8235.3	8562.8	8642.4
5°	7854.2	8426.3	9829.9	10975.9	11399.4
7.5°	7870.8	9247.0	11805.6	13208.8	13657.9
10°	7902.5	10284.7	13517.5	14524.9	14694.7
12.5°	7941.8	11384.1	14459.6	14422.8	14208.8
15°	8007.3	12471.5	14575.6	13601.2	13281.4
17.5°	8075.9	13391.5	14069.4	12706.9	12428.5
20°	8187.6	14074.4	13282.1	11912.0	11595.5
22.5°	8348.7	14449.9	12456.5	11193.0	10986.7
25°	8556.4	14474.2	11636.5	10535.2	10275.0
27.5°	8834.8	14138.4	10850.6	9890.6	9615.8
30°	9213.7	13495.5	10120.3	9113.2	8772.5
32.5°	9728.2	12570.2	9367.4	8174.9	7792.8
35°	10364.4	11591.2	8477.4	7059.9	6647.1
37.5°	11058.7	10504.1	7397.3	6072.5	5832.1
40°	11805.6	9384.1	6117.2	5148.5	4976.5
42.5°	12388.5	8166.2	4928.1	4278.6	4095.5
45°	12685.6	6614.1	3905.1	3436.2	3291.8
47.5°	12569.8	5134.2	3095.8	2730.3	2687.0
50°	11894.6	3791.0	2478.2	2249.2	2231.2
52.5°	10838.9	2825.7	2047.1	1905.3	1874.3
55°	9381.4	2242.8	1777.7	1647.6	1642.6
57.5°	7876.5	1905.3	1613.6	1512.9	1477.8
60°	6271.2	1698.9	1489.2	1375.5	1304.5
62.5°	4915.8	1554.6	1397.8	1243.4	1177.1
65°	3761.0	1419.8	1307.8	1119.1	1062.1
67.5°	2803.7	1291.5	1197.8	988.3	955.0
70°	2042.8	1159.8	1072.4	879.0	852.7
72.5°	1455.8	1028.3	947.0	776.2	747.3
75°	1001.3	883.0	810.0	668.2	641.2
77.5°	675.6	734.6	674.9	570.5	559.2
80°	451.2	582.6	545.8	483.5	476.5
82.5°	273.8	422.8	430.8	393.2	374.2
85°	149.1	273.8	322.8	294.1	266.8
87.5°	58.3	151.8	222.4	199.8	188.1
90°	2.5	18.3	24.2	31.7	35.8
92.5°	8.3	23.3	38.3	53.3	61.7
95°	23.3	60.0	89.2	118.3	137.5
97.5°	138.3	155.8	170.0	195.8	210.8
100°	280.8	303.3	249.2	261.7	267.5
102.5°	451.7	436.7	322.5	290.0	285.0
105°	527.5	520.0	443.3	313.3	287.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	424.2	430.0	422.5	407.5	392.5
115°	363.3	363.3	366.7	365.0	357.5
117.5°	311.7	310.0	313.3	311.7	310.0
120°	260.0	263.3	264.2	262.5	261.7
122.5°	215.0	221.7	225.8	223.3	222.5
125°	175.8	185.8	190.8	189.2	188.3
127.5°	150.0	155.8	162.5	162.5	160.8
130°	130.0	134.2	139.2	140.0	140.0
132.5°	115.8	119.2	123.3	124.2	125.0
135°	104.2	107.5	110.0	111.7	112.5
137.5°	95.8	97.5	100.8	101.7	102.5
140°	87.5	90.0	92.5	93.3	94.2
142.5°	81.7	83.3	85.0	86.7	86.7
145°	75.8	77.5	79.2	80.8	80.8
147.5°	71.7	73.3	75.0	75.0	75.8
150°	67.5	69.2	70.0	70.8	70.8
152.5°	64.2	65.0	66.7	66.7	67.5
155°	60.8	61.7	63.3	63.3	64.2
157.5°	58.3	59.2	60.0	60.8	60.8
160°	55.8	56.7	57.5	57.5	58.3
162.5°	54.2	55.0	55.0	55.8	55.8
165°	52.5	52.5	53.3	53.3	53.3
167.5°	50.8	50.8	51.7	51.7	52.5
170°	49.2	50.0	50.0	50.0	50.8
172.5°	48.3	48.3	49.2	49.2	49.2
175°	47.5	47.5	47.5	48.3	48.3
177.5°	46.7	47.5	47.5	47.5	47.5
180°	47.5	47.5	47.5	47.5	47.5



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	527.5	528.3	489.2	376.7	315.8
110°	486.7	490.8	469.2	426.7	375.0



(END OF REPORT)