

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: P828066

Luminaire Tested: **OHBL-30HE-MCL-UNV-L935-CD-UPL30**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828066
REPORT IS A COMBINATION OF REPORTS P826276 AND G3-2310-221-4
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30HE-MCL-UNV-L935-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

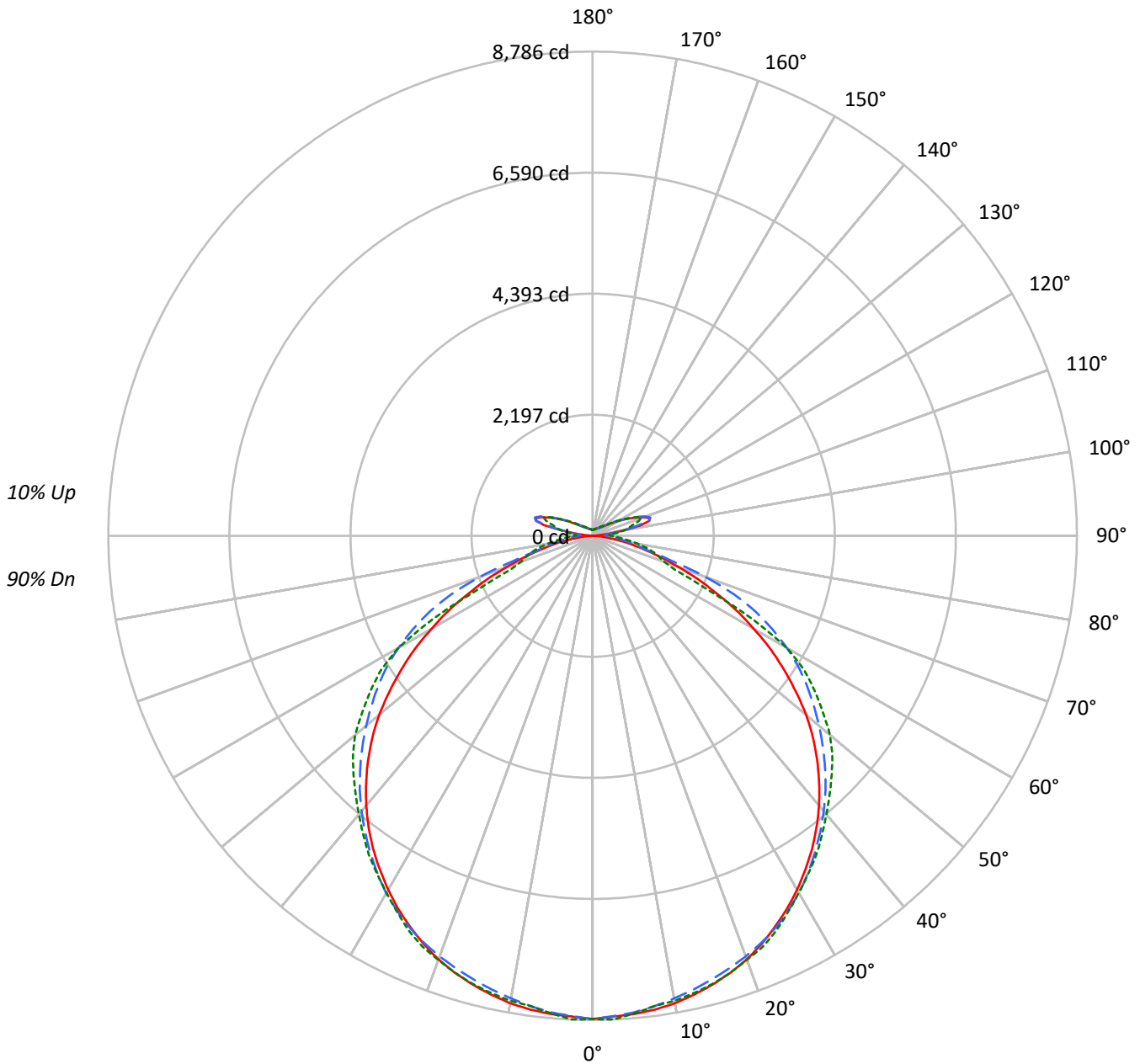
Lumens per Lamp: N/A
Luminaire Lumens: 27334.1 lumens
Efficiency: N/A
Efficacy: 146.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 187
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	117	117	117	117	113	113	113	113	105	105	105	99	99	99	93	93	93	90																			
1	107	102	98	94	103	99	95	92	93	90	87	87	85	83	82	80	78	76																			
2	97	89	83	77	94	87	81	76	81	77	72	77	73	69	72	69	66	63																			
3	89	79	71	64	85	76	69	63	72	66	61	68	63	58	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	60	52	46	57	50	45	54	48	43	51	46	42	40																			
6	69	56	47	41	66	54	46	40	52	44	39	49	43	38	46	41	37	35																			
7	64	51	42	36	61	49	41	36	47	40	35	45	38	34	42	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	53	41	34	28	39	32	28	38	31	27	36	30	26	24																			
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°	13866	13866	13866
5°	13717	13665	13751
10°	13609	13458	13656
15°	13465	13303	13624
20°	13319	13205	13563
25°	13097	13107	13506
30°	12858	12952	13318
35°	12582	12707	13248
40°	12240	12453	13134
45°	11789	12159	13138
50°	11203	11825	13140
55°	10320	11497	12772
60°	9195	11015	11951
65°	7765	10123	7693
70°	6122	7902	5699
75°	4444	4691	5973
80°	2929	3900	6022
85°	1486	3574	6332



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	826.7	3.0
10°-20°	2370.6	8.7
20°-30°	3620.7	13.2
30°-40°	4393.2	16.1
40°-50°	4604.5	16.8
50°-60°	4172.3	15.3
60°-70°	2797.4	10.2
70°-80°	1256.2	4.6
80°-90°	461.3	1.7
90°-100°	334.5	1.2
100°-110°	956.6	3.5
110°-120°	766.7	2.8
120°-130°	364.4	1.3
130°-140°	187.0	0.7
140°-150°	110.4	0.4
150°-160°	66.0	0.2
160°-170°	35.0	0.1
170°-180°	10.7	0.0
0°-30°	6818.1	24.9
0°-40°	11211.3	41.0
0°-60°	19988.1	73.1
0°-90°	24502.9	89.6
90°-120°	2057.7	7.5
90°-150°	2719.5	9.9
90°-180°	2831.0	10.4
0°-180°	27334.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8768	8768	8768	8768	8768	
5°	8711	8741	8680	8707	8696	828
15°	8428	8395	8336	8409	8419	2380
25°	7830	7795	7850	7922	7899	3609
35°	6940	6956	7027	7102	7074	4338
45°	5759	5853	5962	6114	6133	4437
55°	4238	4442	4745	4935	4924	3783
65°	2487	2876	3266	2756	2250	2478
75°	979	1420	1045	1069	1138	1070
85°	169	323	415	501	525	206
90°	7	142	259	320	332	14
95°	49	163	264	326	342	173
105°	1069	1102	1062	831	745	1011
115°	745	750	771	784	772	746
125°	370	383	405	399	395	347
135°	224	229	236	246	247	177
145°	166	170	174	177	179	106
155°	137	141	142	144	143	64
165°	121	121	122	124	124	34
175°	111	111	110	110	110	11
180°	108	108	108	108	108	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8767.8	8767.8	8767.8	8767.8	8767.8
2.5°	8732.3	8769.1	8723.4	8772.8	8785.5
5°	8710.8	8741.2	8680.3	8706.9	8695.5
7.5°	8671.4	8681.6	8609.3	8630.8	8608.0
10°	8613.1	8608.0	8523.1	8564.9	8570.0
12.5°	8526.9	8511.7	8435.6	8499.0	8500.2
15°	8428.0	8395.1	8335.5	8409.0	8419.2
17.5°	8313.9	8270.8	8231.5	8326.6	8311.4
20°	8180.8	8130.1	8122.5	8226.4	8188.4
22.5°	8016.0	7976.7	7994.4	8093.3	8069.3
25°	7829.7	7795.4	7849.9	7922.2	7899.3
27.5°	7633.2	7612.8	7675.0	7730.8	7686.4
30°	7417.6	7406.2	7488.6	7534.3	7478.5
32.5°	7183.1	7186.9	7265.5	7327.6	7275.7
35°	6939.7	6956.2	7027.2	7101.9	7074.1
37.5°	6672.2	6708.9	6779.9	6864.9	6835.8
40°	6389.5	6442.8	6521.3	6624.0	6597.4
42.5°	6083.9	6151.2	6252.6	6366.7	6364.1
45°	5759.4	5853.2	5962.2	6114.3	6133.4
47.5°	5422.2	5527.4	5665.6	5868.4	5897.6
50°	5055.8	5187.7	5360.1	5603.5	5621.2
52.5°	4647.6	4827.6	5055.8	5289.1	5267.5
55°	4238.1	4442.2	4745.2	4935.3	4923.9
57.5°	3829.9	4059.3	4427.0	4562.7	4561.3
60°	3373.5	3663.8	4065.7	4168.3	4066.9
62.5°	2951.3	3263.2	3680.3	3605.5	3258.1
65°	2487.3	2876.5	3265.8	2756.1	2250.3
67.5°	2075.3	2481.0	2773.8	1887.7	1616.4
70°	1660.8	2108.2	2162.8	1400.8	1381.8
72.5°	1293.1	1769.8	1492.2	1199.3	1260.2
75°	978.7	1419.9	1044.7	1068.8	1138.4
77.5°	713.8	1090.2	812.7	936.8	993.9
80°	490.6	772.1	663.0	787.3	826.6
82.5°	308.1	509.7	531.2	633.9	674.4
85°	168.6	323.2	414.6	500.8	524.8
87.5°	69.8	195.3	316.9	386.7	406.9
90°	7.1	141.9	259.3	319.6	332.2
92.5°	18.8	124.9	229.9	284.3	294.8
95°	48.8	163.0	263.8	326.2	342.2
97.5°	292.5	341.6	373.0	439.2	476.8
100°	576.3	649.3	553.5	582.6	590.6
102.5°	908.4	955.5	804.5	698.9	677.8
105°	1069.2	1101.7	1062.2	830.8	745.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	862.2	877.8	903.9	904.5	887.1
115°	745.2	750.2	770.9	784.4	771.9
117.5°	630.2	636.8	657.5	658.5	654.3
120°	531.8	540.6	555.4	556.8	551.3
122.5°	446.0	458.5	476.6	473.8	467.5
125°	370.5	382.7	405.3	399.1	395.4
127.5°	316.8	324.3	341.9	344.9	342.0
130°	274.3	282.2	296.9	303.7	302.8
132.5°	246.4	253.5	263.2	270.8	269.9
135°	223.9	229.3	235.6	246.1	247.4
137.5°	205.2	211.0	215.2	224.8	226.1
140°	191.0	195.2	198.1	204.8	206.9
142.5°	177.2	181.8	184.8	190.3	192.3
145°	166.4	170.2	174.3	177.2	178.6
147.5°	157.7	161.0	164.3	166.0	167.2
150°	150.2	152.7	156.0	156.8	157.7
152.5°	143.5	145.2	147.7	149.3	149.3
155°	136.8	140.6	142.2	143.9	142.7
157.5°	131.8	134.8	136.4	137.2	138.1
160°	127.7	129.8	131.4	132.2	133.1
162.5°	123.9	125.6	126.4	127.2	128.1
165°	120.6	121.4	122.2	123.9	123.9
167.5°	117.2	119.4	118.9	119.8	119.8
170°	114.8	115.6	116.4	115.2	115.2
172.5°	112.2	113.1	113.9	112.7	112.7
175°	110.6	111.4	110.2	109.8	109.8
177.5°	111.1	110.6	109.3	108.1	107.7
180°	108.5	108.5	108.5	108.5	108.5



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1069.7	1102.4	1101.2	984.8	870.7
110°	982.6	1012.8	1023.7	992.6	936.8



(END OF REPORT)