

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: P827791

Luminaire Tested: **OHBL-36HE-MFL-UNV-L930-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827791
REPORT IS A COMBINATION OF REPORTS P826169 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-36HE-MFL-UNV-L930-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

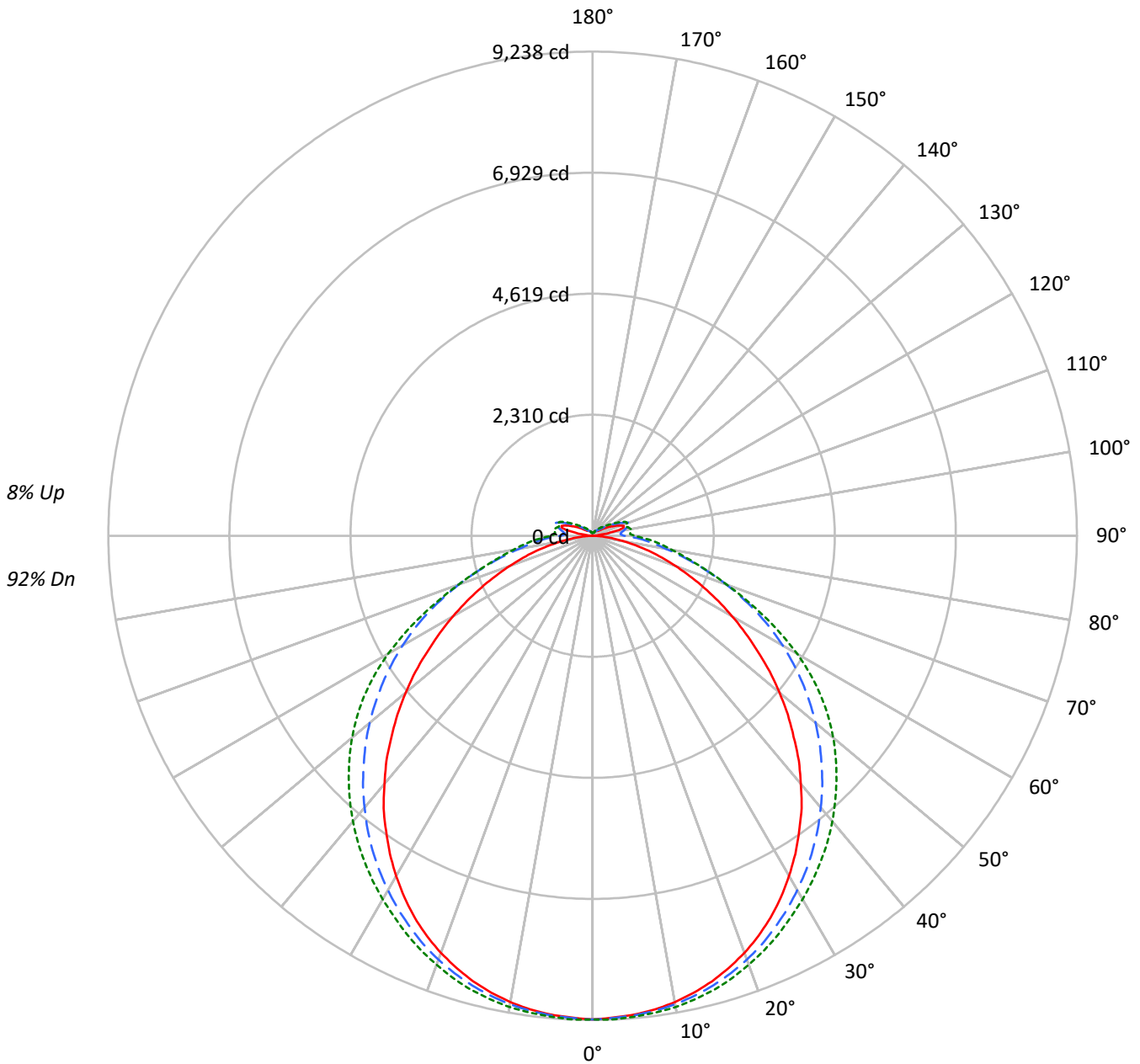
Lumens per Lamp: N/A
Luminaire Lumens: 29067.6 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 224.3
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									
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	107	107	107	100	100	100	95	95	95	92																			
1	106	101	97	93	103	98	94	91	93	89	86	87	85	82	82	80	78	76																			
2	97	88	81	75	93	86	79	74	81	75	71	76	72	68	72	69	65	63																			
3	88	77	69	63	85	75	68	61	71	65	59	67	62	57	64	59	55	53																			
4	80	68	60	53	78	67	58	52	63	56	50	60	54	49	57	52	47	45																			
5	74	61	52	45	71	59	51	45	56	49	44	54	47	42	51	46	41	39																			
6	68	55	46	40	66	54	45	39	51	44	38	49	42	37	46	41	36	34																			
7	63	50	41	35	61	49	40	35	46	39	34	44	38	33	42	36	32	30																			
8	59	45	37	31	57	44	36	31	42	35	30	40	34	29	39	33	29	27																			
9	55	42	33	28	53	41	33	28	39	32	27	37	31	27	36	30	26	24																			
10	52	38	30	25	50	38	30	25	36	29	25	35	28	24	33	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14595	14595	14595
5°	14441	14457	14563
10°	14279	14330	14548
15°	14059	14177	14510
20°	13786	13991	14426
25°	13443	13758	14343
30°	12991	13505	14263
35°	12457	13237	14209
40°	11829	12927	14165
45°	11101	12589	14094
50°	10310	12249	14002
55°	9356	11831	13786
60°	8379	11339	13241
65°	7320	10712	12263
70°	6177	9911	11216
75°	5015	8986	10666
80°	3601	8317	11174
85°	2031	8645	14007



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	874.5	3.0
10°-20°	2508.8	8.6
20°-30°	3794.1	13.1
30°-40°	4554.9	15.7
40°-50°	4704.5	16.2
50°-60°	4232.5	14.6
60°-70°	3188.3	11.0
70°-80°	1925.2	6.6
80°-90°	945.2	3.3
90°-100°	534.7	1.8
100°-110°	706.9	2.4
110°-120°	545.8	1.9
120°-130°	273.4	0.9
130°-140°	138.6	0.5
140°-150°	76.7	0.3
150°-160°	40.7	0.1
160°-170°	17.4	0.1
170°-180°	5.3	0.0
0°-30°	7177.4	24.7
0°-40°	11732.3	40.4
0°-60°	20669.3	71.1
0°-90°	26728.0	92.0
90°-120°	1787.4	6.1
90°-150°	2276.2	7.8
90°-180°	2340.0	8.1
0°-180°	29067.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9229	9229	9229	9229	9229	
5°	9170	9195	9184	9220	9209	871
15°	8800	8843	8883	8958	8967	2481
25°	8036	8124	8240	8368	8389	3697
35°	6871	7031	7320	7542	7587	4295
45°	5423	5696	6173	6510	6580	4187
55°	3842	4240	4883	5251	5315	3445
65°	2344	2823	3456	3628	3587	2329
75°	1104	1586	2001	2053	2033	1178
85°	230	608	1003	1141	1161	266
90°	3	257	601	759	793	17
95°	42	227	533	682	721	106
105°	615	686	754	682	668	584
115°	433	472	572	619	628	437
125°	220	237	310	350	355	206
135°	136	142	174	209	219	107
145°	110	109	114	133	140	69
155°	92	96	94	93	95	40
165°	60	61	61	61	61	17
175°	54	54	55	55	55	5
180°	54	54	54	54	54	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9229.0	9229.0	9229.0	9229.0	9229.0
2.5°	9201.9	9224.5	9210.9	9240.3	9238.0
5°	9170.2	9195.1	9183.8	9219.9	9208.6
7.5°	9116.1	9143.1	9140.9	9181.5	9177.0
10°	9037.0	9066.3	9075.4	9129.6	9129.6
12.5°	8928.5	8967.0	8989.6	9055.0	9057.3
15°	8799.8	8842.8	8883.4	8958.0	8967.0
17.5°	8644.0	8698.2	8754.7	8840.5	8851.7
20°	8467.8	8528.8	8605.6	8695.9	8709.5
22.5°	8264.5	8336.8	8436.2	8542.3	8558.1
25°	8036.4	8124.5	8239.7	8368.4	8388.7
27.5°	7776.7	7878.3	8034.1	8178.7	8196.7
30°	7494.3	7614.0	7808.3	7979.9	8009.3
32.5°	7196.2	7333.9	7573.4	7765.3	7806.0
35°	6870.9	7031.3	7320.3	7541.8	7586.9
37.5°	6550.2	6726.4	7053.8	7306.8	7361.0
40°	6175.3	6394.3	6769.3	7049.3	7114.9
42.5°	5822.9	6060.1	6484.7	6789.6	6852.8
45°	5423.1	5696.4	6173.0	6509.5	6579.5
47.5°	5048.1	5344.1	5872.5	6220.4	6292.7
50°	4652.8	4978.1	5551.9	5915.5	5990.0
52.5°	4257.7	4607.7	5219.8	5597.0	5667.1
55°	3842.0	4239.5	4883.3	5251.4	5314.7
57.5°	3455.8	3875.9	4537.7	4887.7	4926.1
60°	3074.1	3510.0	4185.3	4492.6	4506.1
62.5°	2701.4	3159.9	3824.0	4067.9	4049.8
65°	2344.5	2823.3	3455.8	3627.5	3586.8
67.5°	2001.2	2495.8	3078.6	3189.3	3135.0
70°	1675.9	2177.4	2712.7	2769.1	2719.5
72.5°	1389.1	1874.7	2342.2	2389.7	2353.5
75°	1104.5	1585.6	2001.2	2053.2	2032.8
77.5°	838.0	1305.5	1687.2	1755.0	1759.5
80°	603.1	1050.3	1413.9	1520.1	1533.7
82.5°	397.5	815.4	1185.8	1321.3	1341.7
85°	230.4	607.6	1002.8	1140.6	1160.9
87.5°	99.3	438.2	806.3	930.6	955.4
90°	3.2	257.4	601.2	759.2	792.6
92.5°	17.3	223.2	536.8	689.3	720.6
95°	42.0	226.7	533.4	681.6	721.4
97.5°	171.2	307.7	565.1	704.5	737.8
100°	338.5	458.6	609.2	717.7	740.7
102.5°	522.0	611.5	649.3	697.3	708.3
105°	614.8	686.0	754.5	681.7	667.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	504.7	550.8	651.8	697.6	686.4
115°	432.8	471.5	572.3	619.4	627.7
117.5°	373.5	400.9	492.8	540.9	548.5
120°	315.3	339.1	423.6	466.4	473.8
122.5°	266.8	285.4	364.0	404.5	409.7
125°	220.2	236.6	310.1	349.9	355.0
127.5°	187.2	198.9	265.0	304.8	310.0
130°	164.6	172.5	227.0	266.2	273.8
132.5°	149.2	156.1	197.2	234.1	244.7
135°	135.5	142.3	173.5	209.0	218.9
137.5°	125.0	131.8	153.2	186.4	196.3
140°	118.3	122.9	136.7	165.5	175.2
142.5°	113.2	115.7	122.6	148.3	155.9
145°	109.9	109.2	113.9	132.8	139.6
147.5°	104.2	105.8	107.4	118.1	124.9
150°	99.3	103.2	102.6	105.6	113.2
152.5°	96.1	99.2	98.5	97.1	101.6
155°	92.1	95.9	94.5	93.0	95.3
157.5°	67.1	67.9	68.7	69.5	69.5
160°	64.7	64.7	65.5	66.3	66.3
162.5°	62.2	62.2	63.0	63.9	63.9
165°	59.8	60.6	60.6	61.4	61.4
167.5°	58.2	58.2	59.0	59.0	59.8
170°	56.6	56.6	57.4	57.4	57.4
172.5°	55.0	55.8	55.8	55.8	55.8
175°	54.2	54.2	55.0	55.0	55.0
177.5°	53.4	54.2	54.2	54.2	54.2
180°	54.2	54.2	54.2	54.2	54.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	620.5	686.0	776.8	722.4	663.3
110°	569.6	632.4	730.2	744.9	700.4



(END OF REPORT)