

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: P827766

Luminaire Tested: **OHBL-30HE-MCL-UNV-L930-CD-UPL30**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827766
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-L930-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

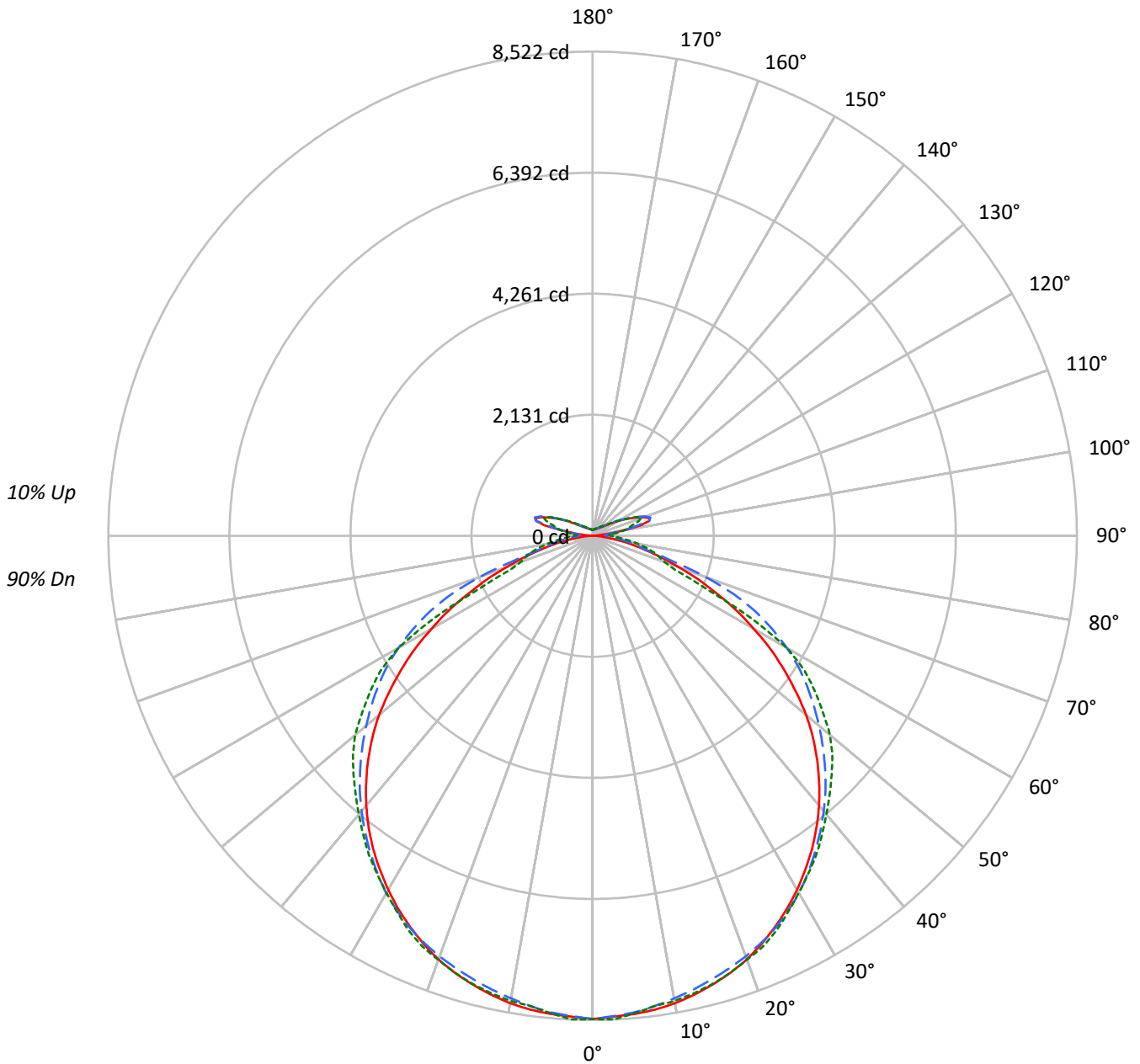
Lumens per Lamp: N/A
Luminaire Lumens: 26514.1 lumens
Efficiency: N/A
Efficacy: 141.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Semi-Direct

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				20				20
RC	80				70				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	93	93	93	90
1	107	102	98	94	103	99	95	92	93	90	87	87	85	83	82	80	78	78	78	78	76
2	97	89	83	77	94	87	81	76	81	77	72	77	73	69	72	69	66	66	66	66	63
3	89	79	71	64	85	76	69	63	72	66	61	68	63	58	64	60	56	56	56	56	54
4	81	70	61	55	78	68	60	54	64	57	52	60	55	50	57	52	48	48	48	48	46
5	75	62	53	47	72	60	52	46	57	50	45	54	48	43	51	46	42	42	42	42	40
6	69	56	47	41	66	54	46	40	52	44	39	49	43	38	46	41	37	37	37	37	35
7	64	51	42	36	61	49	41	36	47	40	35	45	38	34	42	37	33	33	33	33	31
8	59	46	38	32	57	45	37	32	43	36	31	41	35	30	39	33	29	29	29	29	27
9	55	42	34	29	53	41	34	28	39	32	28	38	31	27	36	30	26	26	26	26	24
10	52	39	31	26	50	38	31	26	36	30	25	35	29	25	33	28	24	24	24	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13450	13450	13450
5°	13306	13255	13339
10°	13201	13054	13246
15°	13061	12904	13215
20°	12920	12809	13156
25°	12704	12714	13101
30°	12472	12564	12918
35°	12205	12326	12851
40°	11873	12079	12740
45°	11436	11795	12744
50°	10867	11471	12746
55°	10011	11152	12389
60°	8919	10685	11592
65°	7533	9819	7462
70°	5938	7665	5528
75°	4311	4550	5794
80°	2842	3783	5842
85°	1441	3466	6143



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	801.9	3.0
10°-20°	2299.5	8.7
20°-30°	3512.1	13.2
30°-40°	4261.4	16.1
40°-50°	4466.3	16.8
50°-60°	4047.2	15.3
60°-70°	2713.5	10.2
70°-80°	1218.5	4.6
80°-90°	447.4	1.7
90°-100°	324.4	1.2
100°-110°	927.9	3.5
110°-120°	743.7	2.8
120°-130°	353.5	1.3
130°-140°	181.4	0.7
140°-150°	107.1	0.4
150°-160°	64.0	0.2
160°-170°	34.0	0.1
170°-180°	10.4	0.0
0°-30°	6613.5	24.9
0°-40°	10874.9	41.0
0°-60°	19388.4	73.1
0°-90°	23767.8	89.6
90°-120°	1996.0	7.5
90°-150°	2637.9	9.9
90°-180°	2746.0	10.4
0°-180°	26514.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8505	8505	8505	8505	8505	
5°	8449	8479	8420	8446	8435	804
15°	8175	8143	8085	8157	8167	2308
25°	7595	7562	7614	7684	7662	3501
35°	6732	6748	6816	6889	6862	4207
45°	5587	5678	5783	5931	5949	4304
55°	4111	4309	4603	4787	4776	3670
65°	2413	2790	3168	2673	2183	2404
75°	949	1377	1013	1037	1104	1037
85°	164	314	402	486	509	200
90°	7	138	252	310	322	14
95°	47	158	256	316	332	168
105°	1037	1069	1030	806	723	980
115°	723	728	748	761	749	724
125°	359	371	393	387	384	336
135°	217	222	228	239	240	171
145°	161	165	169	172	173	103
155°	133	136	138	140	138	62
165°	117	118	119	120	120	33
175°	107	108	107	106	106	10
180°	105	105	105	105	105	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8504.7	8504.7	8504.7	8504.7	8504.7
2.5°	8470.3	8506.0	8461.7	8509.6	8521.9
5°	8449.4	8478.9	8419.9	8445.7	8434.6
7.5°	8411.3	8421.1	8351.1	8371.9	8349.8
10°	8354.7	8349.8	8267.4	8308.0	8312.9
12.5°	8271.1	8256.3	8182.5	8244.0	8245.2
15°	8175.2	8143.2	8085.4	8156.7	8166.6
17.5°	8064.5	8022.7	7984.6	8076.8	8062.1
20°	7935.4	7886.2	7878.8	7979.6	7942.8
22.5°	7775.5	7737.4	7754.6	7850.5	7827.2
25°	7594.8	7561.6	7614.4	7684.5	7662.4
27.5°	7404.2	7384.4	7444.8	7498.8	7455.8
30°	7195.1	7184.1	7263.9	7308.2	7254.1
32.5°	6967.6	6971.3	7047.5	7107.8	7057.4
35°	6731.5	6747.5	6816.4	6888.9	6861.9
37.5°	6472.0	6507.6	6576.5	6659.0	6630.7
40°	6197.8	6249.5	6325.7	6425.3	6399.5
42.5°	5901.4	5966.6	6065.0	6175.7	6173.2
45°	5586.6	5677.7	5783.4	5930.9	5949.4
47.5°	5259.5	5361.6	5495.6	5692.4	5720.7
50°	4904.2	5032.0	5199.3	5435.4	5452.6
52.5°	4508.2	4682.8	4904.2	5130.4	5109.5
55°	4110.9	4308.9	4602.8	4787.3	4776.2
57.5°	3715.0	3937.6	4294.2	4425.8	4424.5
60°	3272.3	3553.9	3943.7	4043.3	3944.9
62.5°	2862.8	3165.3	3569.8	3497.3	3160.3
65°	2412.7	2790.2	3167.8	2673.4	2182.7
67.5°	2013.1	2406.6	2690.6	1831.0	1567.9
70°	1610.9	2045.0	2097.9	1358.8	1340.4
72.5°	1254.3	1716.7	1447.4	1163.4	1222.4
75°	949.3	1377.3	1013.3	1036.7	1104.3
77.5°	692.3	1057.5	788.3	908.7	964.1
80°	475.9	748.9	643.1	763.6	801.8
82.5°	298.8	494.4	515.2	614.9	654.2
85°	163.5	313.6	402.1	485.7	509.1
87.5°	67.7	189.4	307.4	375.1	394.7
90°	6.9	137.7	251.5	310.0	322.3
92.5°	18.2	121.2	223.0	275.7	286.0
95°	47.3	158.1	255.8	316.5	331.9
97.5°	283.7	331.3	361.8	426.0	462.4
100°	559.0	629.9	536.9	565.1	572.9
102.5°	881.2	926.8	780.4	677.9	657.4
105°	1037.2	1068.6	1030.4	805.9	723.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	836.3	851.4	876.8	877.4	860.5
115°	722.8	727.7	747.8	760.9	748.8
117.5°	611.3	617.7	637.8	638.7	634.7
120°	515.9	524.4	538.8	540.0	534.8
122.5°	432.6	444.7	462.3	459.5	453.5
125°	359.4	371.2	393.2	387.1	383.6
127.5°	307.3	314.6	331.7	334.6	331.7
130°	266.1	273.8	288.0	294.6	293.7
132.5°	239.0	245.9	255.3	262.6	261.8
135°	217.2	222.5	228.5	238.7	240.0
137.5°	199.0	204.7	208.7	218.1	219.3
140°	185.3	189.3	192.1	198.7	200.7
142.5°	171.9	176.4	179.2	184.5	186.6
145°	161.4	165.1	169.1	171.9	173.2
147.5°	152.9	156.2	159.4	161.0	162.2
150°	145.7	148.1	151.3	152.1	152.9
152.5°	139.2	140.8	143.2	144.9	144.9
155°	132.7	136.4	138.0	139.6	138.4
157.5°	127.9	130.7	132.3	133.1	133.9
160°	123.8	125.9	127.5	128.3	129.1
162.5°	120.2	121.8	122.6	123.4	124.2
165°	117.0	117.8	118.6	120.2	120.2
167.5°	113.7	115.8	115.3	116.2	116.2
170°	111.3	112.1	112.9	111.7	111.7
172.5°	108.9	109.7	110.5	109.3	109.3
175°	107.3	108.1	106.9	106.5	106.5
177.5°	107.8	107.3	106.1	104.8	104.4
180°	105.2	105.2	105.2	105.2	105.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1037.6	1069.3	1068.2	955.3	844.5
110°	953.1	982.4	993.0	962.8	908.6



(END OF REPORT)