

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: P827765

Luminaire Tested: **OHBL-30HE-MCL-UNV-L930-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827765
REPORT IS A COMBINATION OF REPORTS P826120 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-MCL-UNV-L930-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

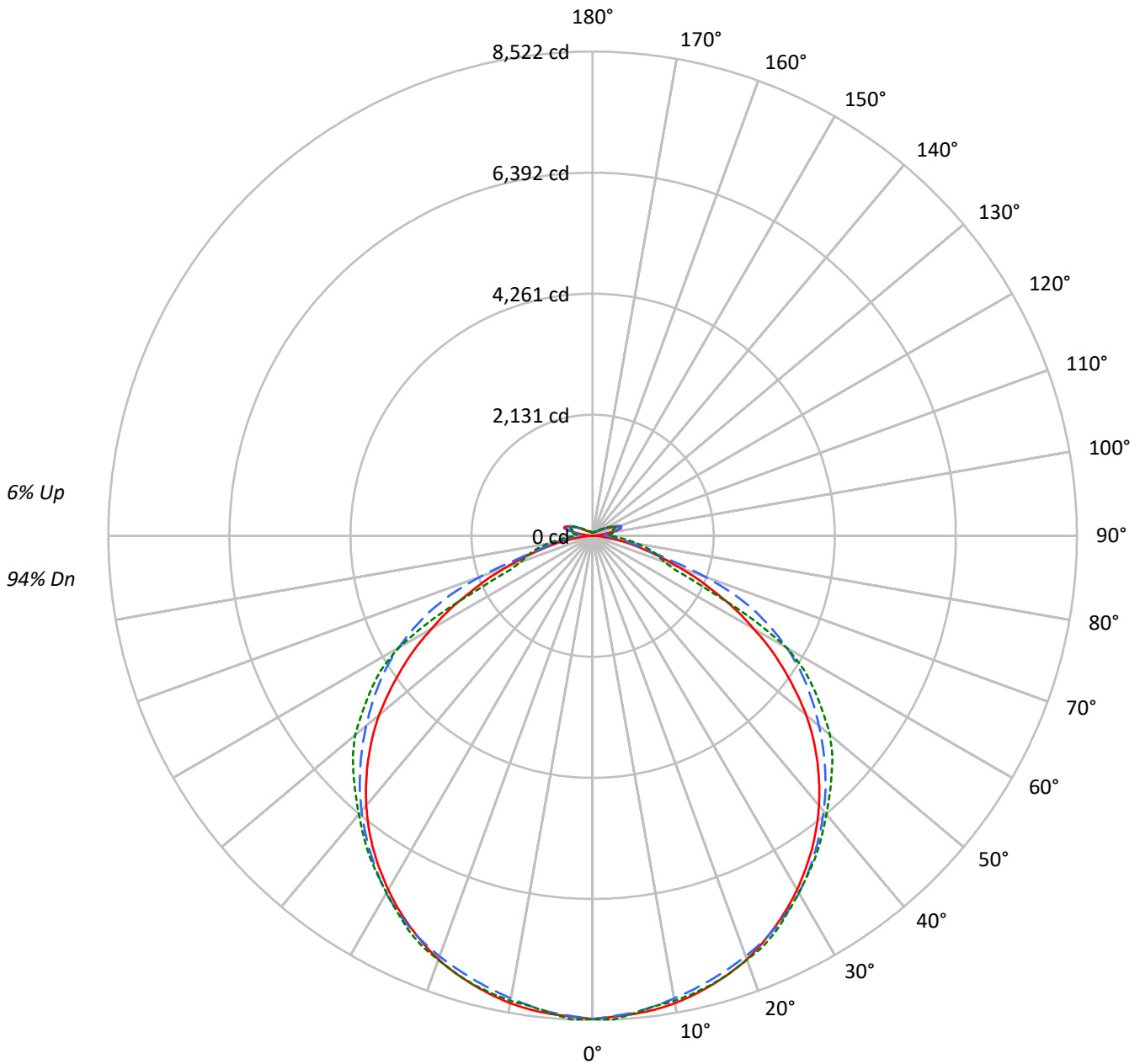
Lumens per Lamp: N/A
Luminaire Lumens: 25266.2 lumens
Efficiency: N/A
Efficacy: 145.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

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	114	114	114	114	108	108	108	102	102	102	97	97	97	94																			
1	108	103	99	95	104	100	97	93	95	92	89	90	88	85	86	84	82	79																			
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	75	72	69	67																			
3	90	79	71	65	87	77	70	64	74	67	62	70	65	60	67	62	59	56																			
4	82	70	62	55	79	69	61	54	65	59	53	62	56	52	60	55	50	48																			
5	75	63	54	47	73	61	53	47	59	51	46	56	50	45	54	48	44	42																			
6	70	56	48	41	67	55	47	41	53	46	40	51	44	39	49	43	39	36																			
7	64	51	43	36	62	50	42	36	48	41	35	46	40	35	44	39	34	32																			
8	60	47	38	32	58	46	38	32	44	37	32	42	36	31	41	35	31	29																			
9	56	43	35	29	54	42	34	29	40	33	28	39	33	28	37	32	28	26																			
10	52	39	32	26	51	39	31	26	37	30	26	36	30	25	35	29	25	23																			

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	3.2
10°-20°	2299.5	9.1
20°-30°	3512.1	13.9
30°-40°	4261.4	16.9
40°-50°	4466.3	17.7
50°-60°	4047.2	16.0
60°-70°	2713.5	10.7
70°-80°	1218.5	4.8
80°-90°	445.3	1.8
90°-100°	250.8	1.0
100°-110°	470.7	1.9
110°-120°	382.0	1.5
120°-130°	185.6	0.7
130°-140°	96.0	0.4
140°-150°	56.8	0.2
150°-160°	34.4	0.1
160°-170°	18.6	0.1
170°-180°	5.7	0.0
0°-30°	6613.5	26.2
0°-40°	10874.9	43.0
0°-60°	19388.4	76.7
0°-90°	23765.6	94.1
90°-120°	1103.4	4.4
90°-150°	1441.9	5.7
90°-180°	1501.0	5.9
0°-180°	25266.2	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°	4	122	231	291	308	12
95°	24	123	229	288	312	82
105°	517	533	500	389	367	490
115°	362	367	391	400	395	365
125°	179	190	207	209	210	170
135°	112	117	120	128	130	89
145°	85	88	89	92	93	54
155°	71	73	75	75	74	33
165°	64	64	65	65	65	18
175°	60	60	58	58	58	6
180°	58	58	58	58	58	



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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°	3.6	122.3	231.3	291.4	307.7
92.5°	9.3	102.6	206.9	262.0	278.7
95°	23.8	123.4	229.2	288.2	311.7
97.5°	136.6	202.8	284.2	333.8	353.3
100°	276.1	337.2	341.3	374.3	383.7
102.5°	443.0	458.0	396.4	382.1	381.0
105°	516.6	532.7	500.1	388.8	367.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	420.0	434.3	451.6	448.1	436.1
115°	362.3	367.2	391.3	399.6	394.7
117.5°	312.2	313.0	334.7	340.5	341.3
120°	262.1	266.5	283.3	287.8	288.3
122.5°	218.4	224.9	242.4	246.1	246.5
125°	179.1	190.1	207.3	209.3	209.8
127.5°	155.4	161.0	177.3	181.0	180.6
130°	136.0	141.2	152.2	157.9	157.9
132.5°	123.4	127.9	135.6	141.4	142.2
135°	112.1	116.6	120.2	128.0	130.1
137.5°	105.2	106.9	110.1	117.0	119.1
140°	97.2	99.6	100.8	106.5	108.6
142.5°	90.3	93.1	93.5	98.9	100.1
145°	84.6	87.5	89.1	91.9	93.2
147.5°	81.8	83.4	85.0	85.0	87.1
150°	77.8	79.4	80.2	81.0	81.0
152.5°	74.5	75.3	77.0	77.0	77.8
155°	71.3	73.3	74.9	74.9	74.5
157.5°	68.9	70.9	71.7	72.5	72.5
160°	66.4	68.5	69.3	69.3	70.1
162.5°	66.0	66.8	66.8	67.7	67.7
165°	64.4	64.4	65.2	65.2	65.2
167.5°	62.8	64.1	63.6	63.6	64.4
170°	61.2	62.0	62.0	60.8	61.6
172.5°	60.4	60.4	61.2	60.0	60.0
175°	59.6	59.6	58.4	58.0	58.0
177.5°	60.1	59.6	58.4	57.1	55.9
180°	58.4	58.4	58.4	58.4	58.4



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	517.8	535.8	534.7	438.0	381.4
110°	479.4	495.8	505.5	475.4	427.7



(END OF REPORT)