

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: P828371

Luminaire Tested: **OHBL-30HE-NL-UNV-L940-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828371
REPORT IS A COMBINATION OF REPORTS P826123 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-NL-UNV-L940-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

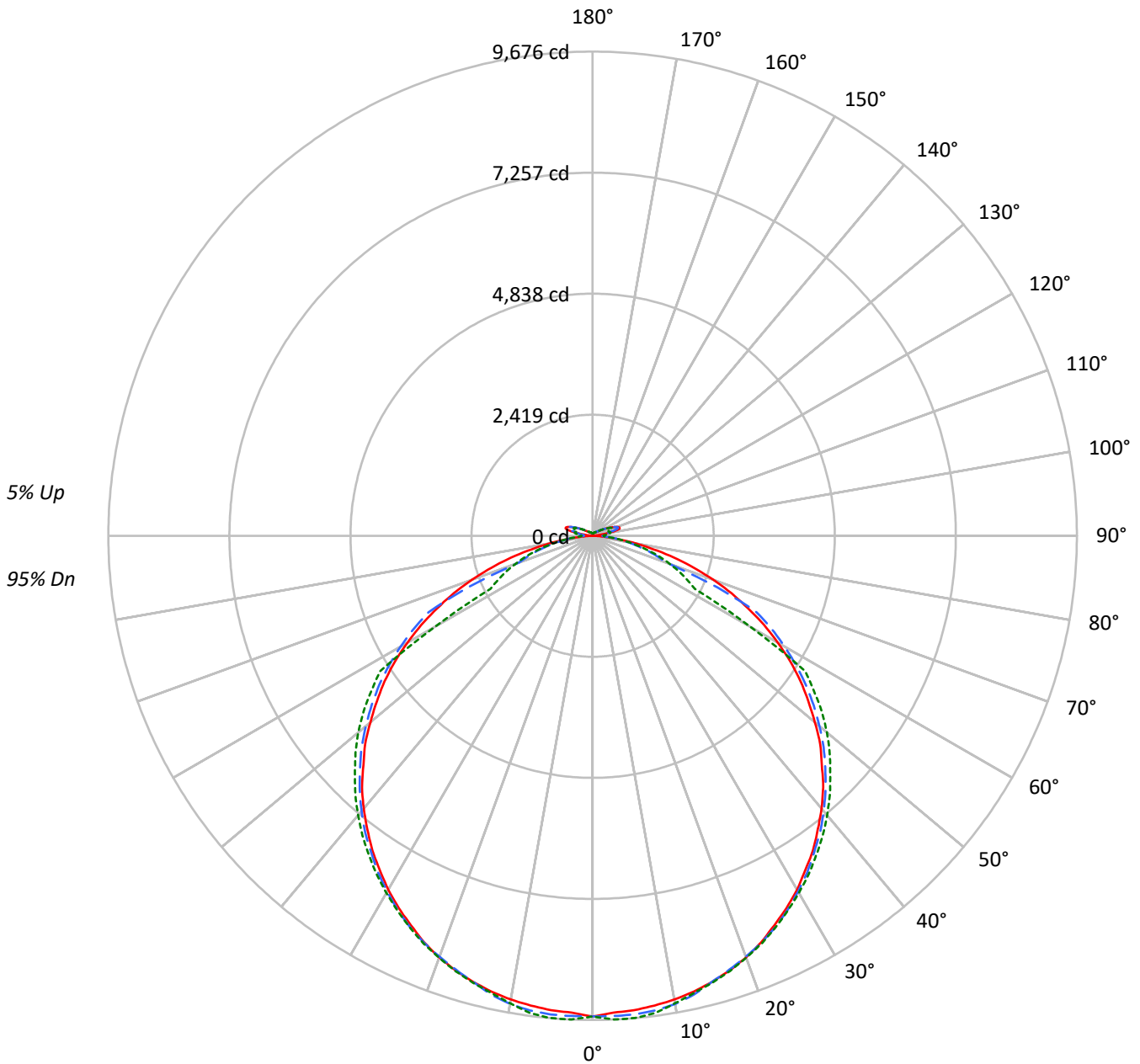
Lumens per Lamp: N/A
Luminaire Lumens: 28290.1 lumens
Efficiency: N/A
Efficacy: 162.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.1')
CIE Type: Direct

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	103	103	103	97	97	97	95																			
1	108	104	99	96	105	101	97	94	96	93	90	91	88	86	86	85	83	80																			
2	99	91	84	79	95	88	82	77	84	79	75	80	76	72	76	73	70	67																			
3	90	80	72	65	87	78	70	65	74	68	63	71	65	61	67	63	59	57																			
4	82	71	62	56	80	69	61	55	66	59	54	63	57	52	60	55	51	49																			
5	76	63	54	48	73	62	53	47	59	52	46	56	50	45	54	49	44	42																			
6	70	57	48	42	68	56	47	41	53	46	41	51	45	40	49	43	39	37																			
7	65	51	43	37	63	50	42	36	48	41	36	46	40	35	45	39	35	33																			
8	60	47	38	33	58	46	38	32	44	37	32	43	36	31	41	35	31	29																			
9	56	43	35	29	55	42	34	29	41	34	29	39	33	28	38	32	28	26																			
10	53	40	32	27	51	39	31	26	38	31	26	36	30	26	35	29	25	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15191	15191	15191
5°	15034	15167	15323
10°	14965	15101	15165
15°	14887	14875	15033
20°	14789	14754	14958
25°	14607	14665	14890
30°	14452	14507	14825
35°	14264	14319	14767
40°	14037	14142	14723
45°	13717	13893	14632
50°	13376	13611	14573
55°	12960	13253	14326
60°	12333	12722	11067
65°	11430	12038	7371
70°	10264	6198	7048
75°	8547	5613	6571
80°	6035	4713	5754
85°	2450	3807	4978



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	912.6	3.2
10°-20°	2613.0	9.2
20°-30°	3975.9	14.1
30°-40°	4834.1	17.1
40°-50°	5082.8	18.0
50°-60°	4641.2	16.4
60°-70°	2975.3	10.5
70°-80°	1405.5	5.0
80°-90°	393.1	1.4
90°-100°	229.8	0.8
100°-110°	467.0	1.7
110°-120°	384.8	1.4
120°-130°	180.9	0.6
130°-140°	90.4	0.3
140°-150°	52.5	0.2
150°-160°	30.6	0.1
160°-170°	15.9	0.1
170°-180°	4.8	0.0
0°-30°	7501.4	26.5
0°-40°	12335.5	43.6
0°-60°	22059.6	78.0
0°-90°	26833.3	94.9
90°-120°	1081.6	3.8
90°-150°	1405.5	5.0
90°-180°	1457.0	5.2
0°-180°	28290.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9606	9606	9606	9606	9606	
5°	9516	9554	9602	9655	9675	905
15°	9228	9297	9226	9240	9247	2605
25°	8588	8601	8631	8645	8638	3963
35°	7676	7630	7718	7812	7790	4797
45°	6474	6462	6572	6727	6715	5004
55°	5073	5035	5205	5378	5392	4525
65°	3418	3418	3617	2075	2082	3389
75°	1689	1721	1117	1176	1182	1780
85°	221	280	349	378	357	326
90°	3	114	180	217	218	12
95°	29	112	204	274	294	89
105°	559	561	490	354	325	529
115°	387	391	399	393	375	389
125°	184	194	199	197	196	173
135°	109	112	115	116	117	86
145°	79	81	83	84	84	51
155°	64	64	66	66	67	30
165°	55	55	56	56	56	16
175°	50	50	50	50	50	5
180°	50	50	50	50	50	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9605.8	9605.8	9605.8	9605.8	9605.8
2.5°	9538.3	9570.4	9605.8	9651.3	9676.4
5°	9516.3	9553.5	9602.4	9654.7	9674.8
7.5°	9469.3	9521.4	9568.7	9605.8	9617.5
10°	9410.2	9472.7	9499.6	9496.2	9487.8
12.5°	9331.0	9396.8	9388.4	9349.5	9356.3
15°	9228.2	9297.2	9226.5	9239.9	9246.7
17.5°	9106.8	9174.3	9091.7	9118.6	9120.4
20°	8965.3	9015.8	8951.7	8973.7	8973.7
22.5°	8795.0	8830.4	8803.5	8818.6	8822.0
25°	8587.7	8601.1	8631.4	8645.0	8638.2
27.5°	8388.9	8372.0	8431.0	8463.0	8446.0
30°	8168.0	8141.0	8210.1	8262.4	8242.2
32.5°	7915.2	7898.4	7977.6	8039.8	8028.1
35°	7675.8	7630.3	7718.0	7812.4	7790.4
37.5°	7392.6	7365.7	7465.0	7564.7	7552.9
40°	7116.2	7070.7	7183.7	7301.6	7289.9
42.5°	6819.7	6765.6	6888.7	7030.4	7016.9
45°	6474.0	6462.2	6571.8	6726.8	6715.1
47.5°	6167.4	6108.4	6261.7	6411.7	6425.3
50°	5796.4	5774.7	5914.6	6096.5	6109.9
52.5°	5434.1	5419.0	5565.5	5749.3	5772.9
55°	5073.3	5034.6	5204.8	5378.5	5392.0
57.5°	4687.5	4647.0	4820.6	5009.5	5038.0
60°	4274.4	4235.7	4426.1	4601.5	3659.3
62.5°	3861.5	3834.5	4033.5	2857.0	2302.5
65°	3418.2	3418.2	3617.0	2074.8	2081.6
67.5°	3003.7	2976.7	2696.9	1864.1	1864.1
70°	2558.6	2568.8	1554.0	1633.3	1635.0
72.5°	2112.0	2149.1	1341.7	1405.6	1409.0
75°	1688.8	1721.0	1117.4	1176.5	1181.5
77.5°	1240.6	954.0	898.3	944.0	945.6
80°	871.4	601.7	687.7	731.5	726.5
82.5°	509.0	421.3	503.9	536.1	534.3
85°	220.8	279.8	348.9	377.6	357.3
87.5°	70.7	173.6	217.4	234.3	232.5
90°	2.6	113.5	180.3	216.7	217.8
92.5°	8.7	98.4	174.9	224.3	234.6
95°	29.3	111.5	204.4	273.5	293.5
97.5°	147.7	197.9	256.6	322.3	341.3
100°	296.4	345.0	312.2	357.3	365.1
102.5°	479.6	479.2	368.4	356.5	353.0
105°	558.7	561.1	489.5	353.9	325.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	452.7	462.2	459.3	438.7	411.1
115°	387.4	390.8	399.3	392.6	374.6
117.5°	325.2	323.4	326.9	325.2	323.4
120°	271.3	274.7	275.6	273.9	273.0
122.5°	224.3	231.3	235.6	233.0	232.1
125°	183.5	193.9	199.1	197.4	196.5
127.5°	156.5	162.6	169.5	169.5	167.8
130°	135.6	140.0	145.2	146.1	146.1
132.5°	120.9	124.3	128.7	129.5	130.4
135°	108.7	112.2	114.8	116.5	117.4
137.5°	100.0	101.7	105.2	106.1	106.9
140°	91.3	93.9	96.5	97.4	98.2
142.5°	85.2	86.9	88.7	90.4	90.4
145°	79.1	80.9	82.6	84.3	84.3
147.5°	74.8	76.5	78.2	78.2	79.1
150°	70.4	72.2	73.0	73.9	73.9
152.5°	66.9	67.8	69.6	69.6	70.4
155°	63.5	64.3	66.1	66.1	66.9
157.5°	60.9	61.7	62.6	63.5	63.5
160°	58.3	59.1	60.0	60.0	60.9
162.5°	56.5	57.4	57.4	58.3	58.3
165°	54.8	54.8	55.6	55.6	55.6
167.5°	53.0	53.0	53.9	53.9	54.8
170°	51.3	52.2	52.2	52.2	53.0
172.5°	50.4	50.4	51.3	51.3	51.3
175°	49.6	49.6	49.6	50.4	50.4
177.5°	48.7	49.6	49.6	49.6	49.6
180°	49.6	49.6	49.6	49.6	49.6



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	558.7	568.0	533.9	408.1	334.5
110°	517.9	527.2	509.7	458.7	392.8



(END OF REPORT)