

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: P828372

Luminaire Tested: **OHBL-30HE-NL-UNV-L940-CD-UPL30**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828372
REPORT IS A COMBINATION OF REPORTS P826279 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-NL-UNV-L940-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

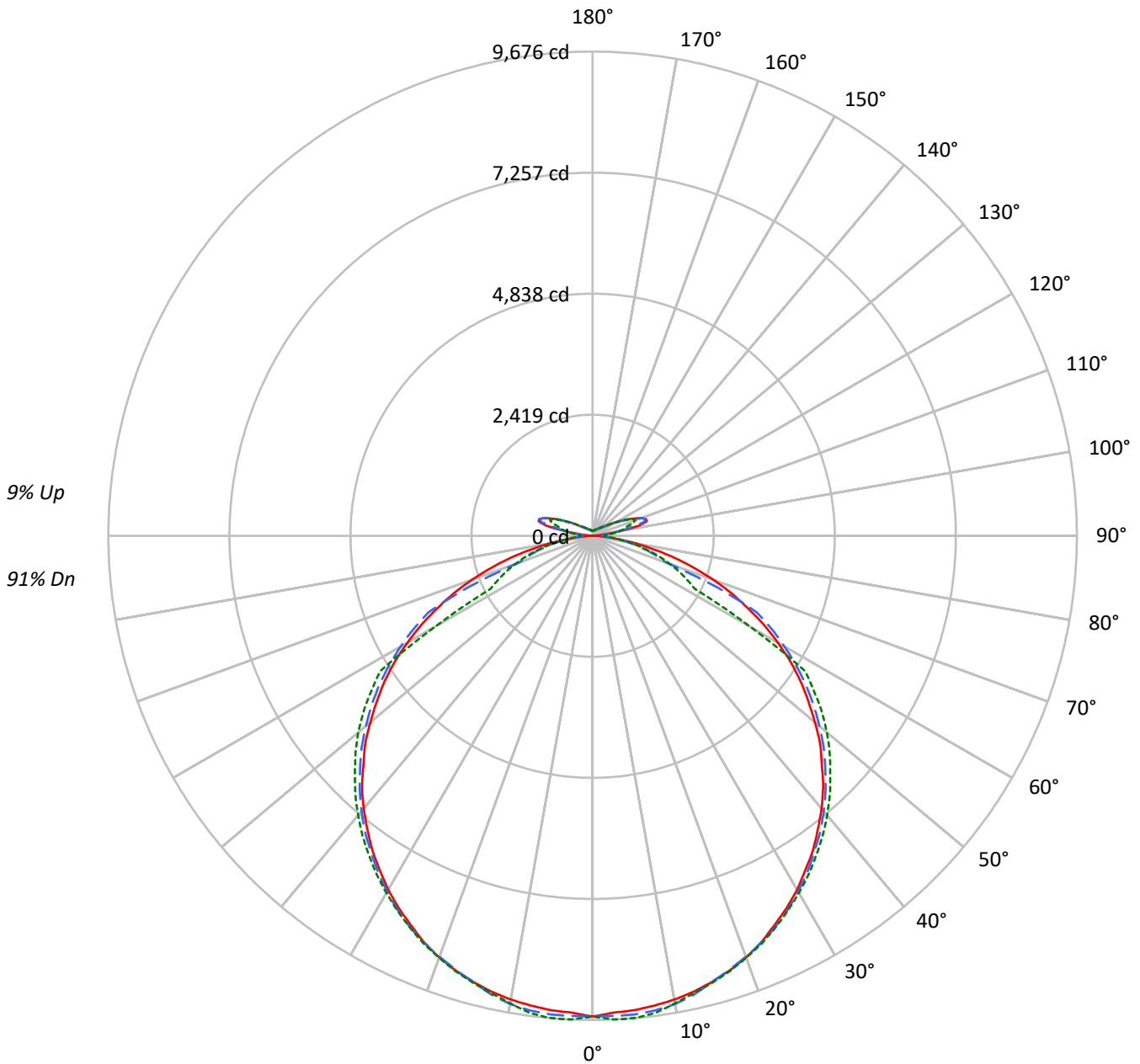
Lumens per Lamp: N/A
Luminaire Lumens: 29632.3 lumens
Efficiency: N/A
Efficacy: 158.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.1')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P828372

CATALOG NUMBER: OHBL-30HE-NL-UNV-L940-CD-UPL30

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	106	106	106	99	99	99	93	93	93	91																			
1	107	103	99	95	103	99	96	92	93	91	88	88	86	83	83	81	79	77																			
2	98	90	83	78	94	87	81	76	82	77	73	77	73	70	73	70	67	64																			
3	89	79	71	65	86	77	69	64	72	66	61	68	63	59	65	61	57	54																			
4	82	70	61	55	79	68	60	54	64	58	52	61	55	51	58	53	49	47																			
5	75	62	54	47	72	61	53	47	58	51	45	55	49	44	52	47	43	40																			
6	69	56	47	41	67	55	47	41	52	45	40	49	43	38	47	42	37	35																			
7	64	51	42	36	62	50	42	36	47	40	35	45	39	34	43	37	33	31																			
8	60	46	38	32	58	45	37	32	43	36	31	41	35	30	39	34	30	28																			
9	56	42	34	29	54	41	34	29	40	33	28	38	32	27	36	31	27	25																			
10	52	39	31	26	50	38	31	26	37	30	25	35	29	25	34	28	24	22																			

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



TEST NUMBER: P828372

CATALOG NUMBER: OHBL-30HE-NL-UNV-L940-CD-UPL30

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	912.6	3.1
10°-20°	2613.0	8.8
20°-30°	3975.9	13.4
30°-40°	4834.1	16.3
40°-50°	5082.8	17.2
50°-60°	4641.2	15.7
60°-70°	2975.3	10.0
70°-80°	1405.5	4.7
80°-90°	395.4	1.3
90°-100°	309.0	1.0
100°-110°	958.7	3.2
110°-120°	773.9	2.6
120°-130°	361.5	1.2
130°-140°	182.3	0.6
140°-150°	106.5	0.4
150°-160°	62.4	0.2
160°-170°	32.4	0.1
170°-180°	9.9	0.0
0°-30°	7501.4	25.3
0°-40°	12335.5	41.6
0°-60°	22059.6	74.4
0°-90°	26835.7	90.6
90°-120°	2041.6	6.9
90°-150°	2691.9	9.1
90°-180°	2797.0	9.4
0°-180°	29632.3	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°	6	130	202	237	233	14
95°	54	149	233	304	315	182
105°	1119	1138	1060	802	708	1057
115°	775	779	783	781	755	774
125°	377	389	399	389	383	353
135°	222	226	231	236	236	175
145°	162	164	169	170	170	103
155°	130	132	134	136	136	61
165°	111	112	113	115	115	32
175°	101	102	102	103	103	10
180°	100	100	100	100	100	



TEST NUMBER: P828372

CATALOG NUMBER: OHBL-30HE-NL-UNV-L940-CD-UPL30

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°	6.1	130.1	202.1	236.7	233.4
92.5°	18.3	118.4	192.3	239.1	242.4
95°	54.5	148.8	233.1	304.0	315.3
97.5°	306.0	336.1	340.0	421.4	458.7
100°	600.7	659.7	522.6	562.4	568.5
102.5°	950.8	983.4	781.4	674.7	650.3
105°	1118.6	1137.5	1059.9	802.5	707.8



TEST NUMBER: P828372

CATALOG NUMBER: OHBL-30HE-NL-UNV-L940-CD-UPL30

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	900.5	910.8	916.7	900.4	867.5
115°	775.2	778.6	782.8	781.2	755.4
117.5°	646.9	651.2	653.0	646.0	639.0
120°	544.3	552.1	550.4	545.1	538.2
122.5°	454.7	467.8	472.1	462.5	454.7
125°	377.3	388.6	399.1	388.6	383.4
127.5°	320.0	327.8	335.6	334.7	330.4
130°	275.6	282.6	291.3	293.0	292.1
132.5°	245.2	251.3	257.4	260.0	259.1
135°	221.7	226.1	231.3	235.6	235.6
137.5°	200.8	206.9	211.3	214.8	214.8
140°	186.1	190.4	194.8	196.5	197.4
142.5°	173.0	176.5	180.8	182.6	183.5
145°	161.7	164.3	168.7	170.4	170.4
147.5°	151.3	154.8	158.2	160.0	160.0
150°	143.5	146.1	149.5	150.4	151.3
152.5°	136.5	138.2	140.8	142.6	142.6
155°	129.5	132.2	133.9	135.6	135.6
157.5°	124.3	126.1	127.8	128.7	129.5
160°	120.0	120.9	122.6	123.5	124.3
162.5°	114.8	116.5	117.4	118.2	119.1
165°	111.3	112.2	113.0	114.8	114.8
167.5°	107.8	108.7	109.6	110.4	110.4
170°	105.2	106.1	106.9	106.9	106.9
172.5°	102.6	103.5	104.3	104.3	104.3
175°	100.9	101.7	101.7	102.6	102.6
177.5°	100.0	100.9	100.9	100.9	101.7
180°	100.0	100.0	100.0	100.0	100.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1117.8	1141.8	1107.8	964.6	832.7
110°	1027.4	1050.6	1033.9	983.0	910.1



(END OF REPORT)