

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: P828364

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828364
REPORT IS A COMBINATION OF REPORTS P826275 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-A-UNV-L940-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

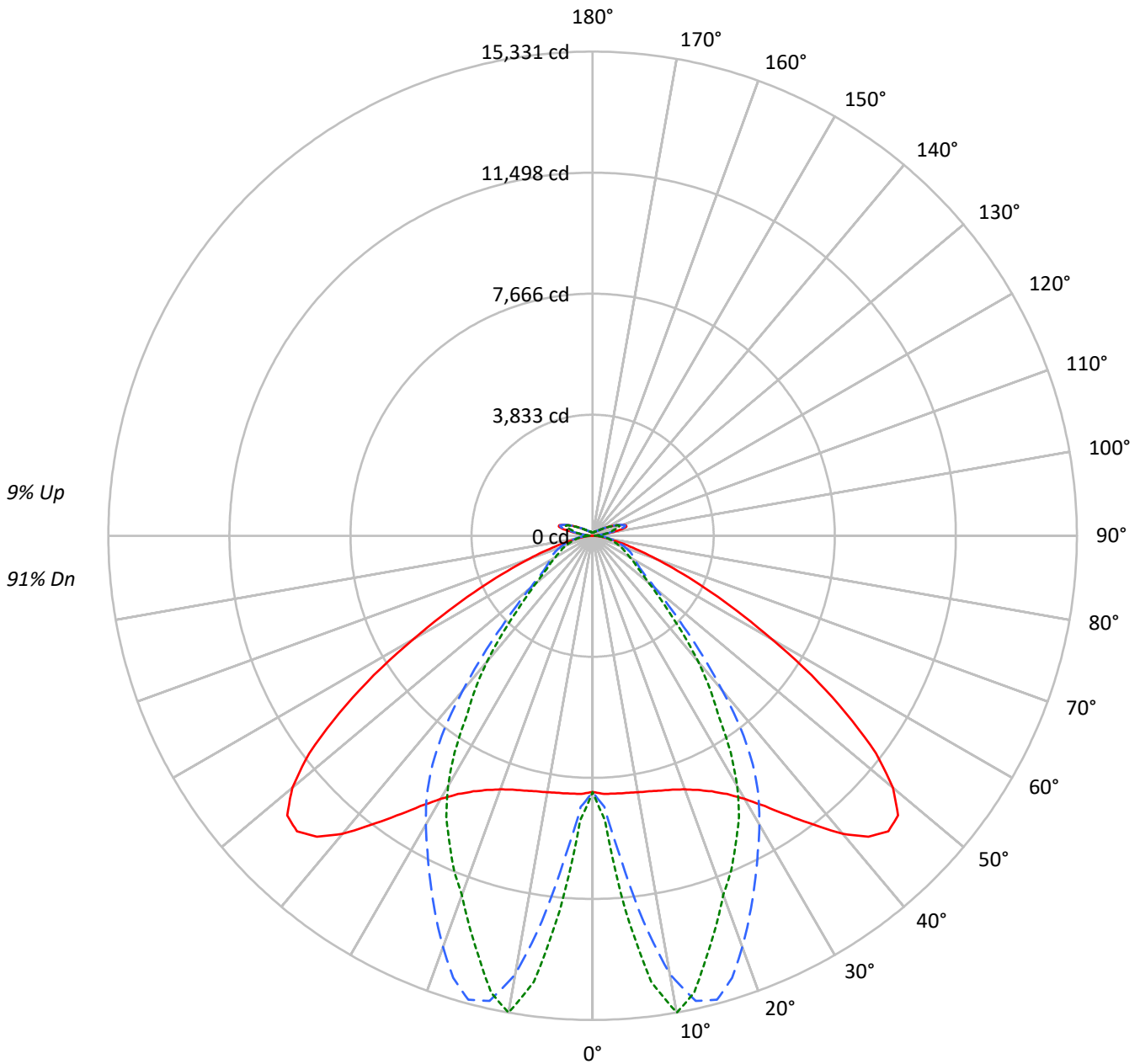
Lumens per Lamp: N/A
Luminaire Lumens: 28697.7 lumens
Efficiency: N/A
Efficacy: 153.5 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

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

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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	106	106	106	99	99	99	94	94	94	91																			
1	108	104	101	98	105	101	98	95	95	93	90	90	88	86	85	83	82	79																			
2	100	93	87	83	97	91	85	81	86	81	78	81	78	75	77	74	72	69																			
3	93	84	77	71	89	81	75	70	77	72	68	73	69	65	70	66	63	61																			
4	86	75	68	62	83	73	66	61	70	64	59	67	62	58	64	59	56	54																			
5	80	68	60	55	77	67	59	54	64	57	53	61	55	51	58	54	50	48																			
6	74	62	54	49	72	61	53	48	58	52	47	56	50	46	53	49	45	43																			
7	69	57	49	44	67	56	48	43	53	47	42	51	46	41	49	44	40	39																			
8	65	52	45	39	63	51	44	39	49	43	38	47	42	38	46	41	37	35																			
9	60	48	41	36	59	47	40	35	46	39	35	44	38	34	42	37	34	32																			
10	57	45	38	33	55	44	37	32	42	36	32	41	35	31	39	34	31	29																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12831	12831	12831
5°	12904	16145	18808
10°	13028	22269	24430
15°	13347	24270	22423
20°	13908	22529	20039
25°	14933	20271	18330
30°	16663	18263	16299
35°	19605	15994	12988
40°	23595	12187	10337
45°	27092	8309	7357
50°	27498	5704	5442
55°	23835	4494	4445
60°	17834	4210	3999
65°	12251	4229	3788
70°	7856	4088	3669
75°	4744	3795	3510
80°	2811	3350	3622
85°	1371	2903	3358



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1059.2	3.7
10°-20°	3738.3	13.0
20°-30°	5508.6	19.2
30°-40°	5788.7	20.2
40°-50°	4429.4	15.4
50°-60°	2674.7	9.3
60°-70°	1632.2	5.7
70°-80°	890.9	3.1
80°-90°	318.3	1.1
90°-100°	205.8	0.7
100°-110°	930.5	3.2
110°-120°	766.1	2.7
120°-130°	361.5	1.3
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°	10306.1	35.9
0°-40°	16094.8	56.1
0°-60°	23198.9	80.8
0°-90°	26040.3	90.7
90°-120°	1902.4	6.6
90°-150°	2552.7	8.9
90°-180°	2657.0	9.3
0°-180°	28697.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8113	8113	8113	8113	8113	
5°	8194	8792	10256	11452	11893	783
15°	8354	13012	15207	14191	13857	2375
25°	8927	15102	12141	10992	10720	4172
35°	10814	12094	8845	7366	6935	6860
45°	13235	6901	4074	3585	3434	10000
55°	9788	2340	1855	1719	1714	8649
65°	3924	1481	1364	1168	1108	4021
75°	1045	921	845	697	669	1202
85°	156	286	337	307	278	192
90°	6	36	47	53	53	13
95°	50	100	122	154	165	179
105°	1110	1119	1033	776	682	1048
115°	767	767	766	770	754	769
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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8113.1	8113.1	8113.1	8113.1	<i>8113.1</i>
2.5°	8179.6	8263.0	8592.2	8933.8	<i>9016.9</i>
5°	8194.5	8791.5	10255.9	11451.5	<i>11893.4</i>
7.5°	8211.9	9647.7	12317.2	13781.1	<i>14249.8</i>
10°	<i>8244.9</i>	<i>10730.3</i>	<i>14103.3</i>	<i>15154.3</i>	<i>15331.4</i>
12.5°	8286.0	11877.4	15086.2	15047.8	<i>14824.5</i>
15°	8354.2	13011.9	15207.2	14190.6	<i>13856.9</i>
17.5°	8425.9	13971.8	14679.1	13257.5	<i>12967.1</i>
20°	8542.4	14684.3	13857.6	12428.2	<i>12098.0</i>
22.5°	8710.4	15076.1	12996.3	11678.0	<i>11462.8</i>
25°	8927.2	15101.5	12140.7	10991.7	<i>10720.2</i>
27.5°	9217.7	14751.1	11320.8	10319.2	<i>10032.5</i>
30°	9612.9	14080.3	10558.9	9508.2	<i>9152.6</i>
32.5°	10149.7	13114.9	9773.3	8529.2	<i>8130.5</i>
35°	10813.5	12093.5	8844.8	7365.8	<i>6935.1</i>
37.5°	11537.9	10959.3	7717.9	6335.6	<i>6084.8</i>
40°	12317.2	9790.7	6382.2	5371.6	<i>5192.1</i>
42.5°	12925.3	8520.1	5141.6	4464.0	<i>4273.0</i>
45°	13235.3	6900.7	4074.3	3585.2	<i>3434.5</i>
47.5°	13114.5	5356.6	3229.9	2848.6	<i>2803.4</i>
50°	12410.0	3955.3	2585.6	2346.6	<i>2327.9</i>
52.5°	11308.6	2948.1	2135.8	1987.9	<i>1955.6</i>
55°	9787.9	2340.0	1854.7	1719.0	<i>1713.8</i>
57.5°	8217.8	1987.9	1683.5	1578.5	<i>1541.9</i>
60°	6543.0	1772.5	1553.7	1435.1	<i>1361.0</i>
62.5°	5128.8	1621.9	1458.4	1297.3	<i>1228.1</i>
65°	3924.0	1481.4	1364.5	1167.6	<i>1108.1</i>
67.5°	2925.2	1347.5	1249.7	1031.2	<i>996.4</i>
70°	2131.3	1210.0	1118.9	917.1	<i>889.6</i>
72.5°	1518.9	1072.9	988.0	809.9	<i>779.6</i>
75°	1044.7	921.3	845.1	697.2	<i>669.0</i>
77.5°	704.9	766.4	704.2	595.2	<i>583.4</i>
80°	470.7	607.8	569.5	504.5	<i>497.1</i>
82.5°	285.6	441.2	449.5	410.2	<i>390.4</i>
85°	155.5	285.6	336.7	306.8	<i>278.3</i>
87.5°	60.9	158.3	232.1	208.4	<i>196.2</i>
90°	6.1	35.6	47.0	53.0	<i>53.0</i>
92.5°	18.3	44.3	57.4	70.4	<i>72.2</i>
95°	49.6	100.0	121.7	153.9	<i>165.2</i>
97.5°	302.6	300.8	260.8	303.4	<i>337.3</i>
100°	597.3	631.2	470.4	478.2	<i>482.5</i>
102.5°	942.5	959.9	749.5	620.8	<i>594.7</i>
105°	1110.3	1119.0	1032.9	775.5	<i>682.5</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	890.3	897.3	898.1	886.8	866.0
115°	766.8	766.8	766.0	769.5	753.8
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°	1109.4	1125.1	1084.2	949.4	827.7
110°	1017.2	1035.5	1013.8	969.4	908.6



(END OF REPORT)