

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: P828381

Luminaire Tested: **OHBL-30SE-N-UNV-L940-CD-UPL15**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P828381  
REPORT IS A COMBINATION OF REPORTS P826128 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-30SE-N-UNV-L940-CD-UPL15  
Description:  
Light Source: -  
Ballast/Driver: -

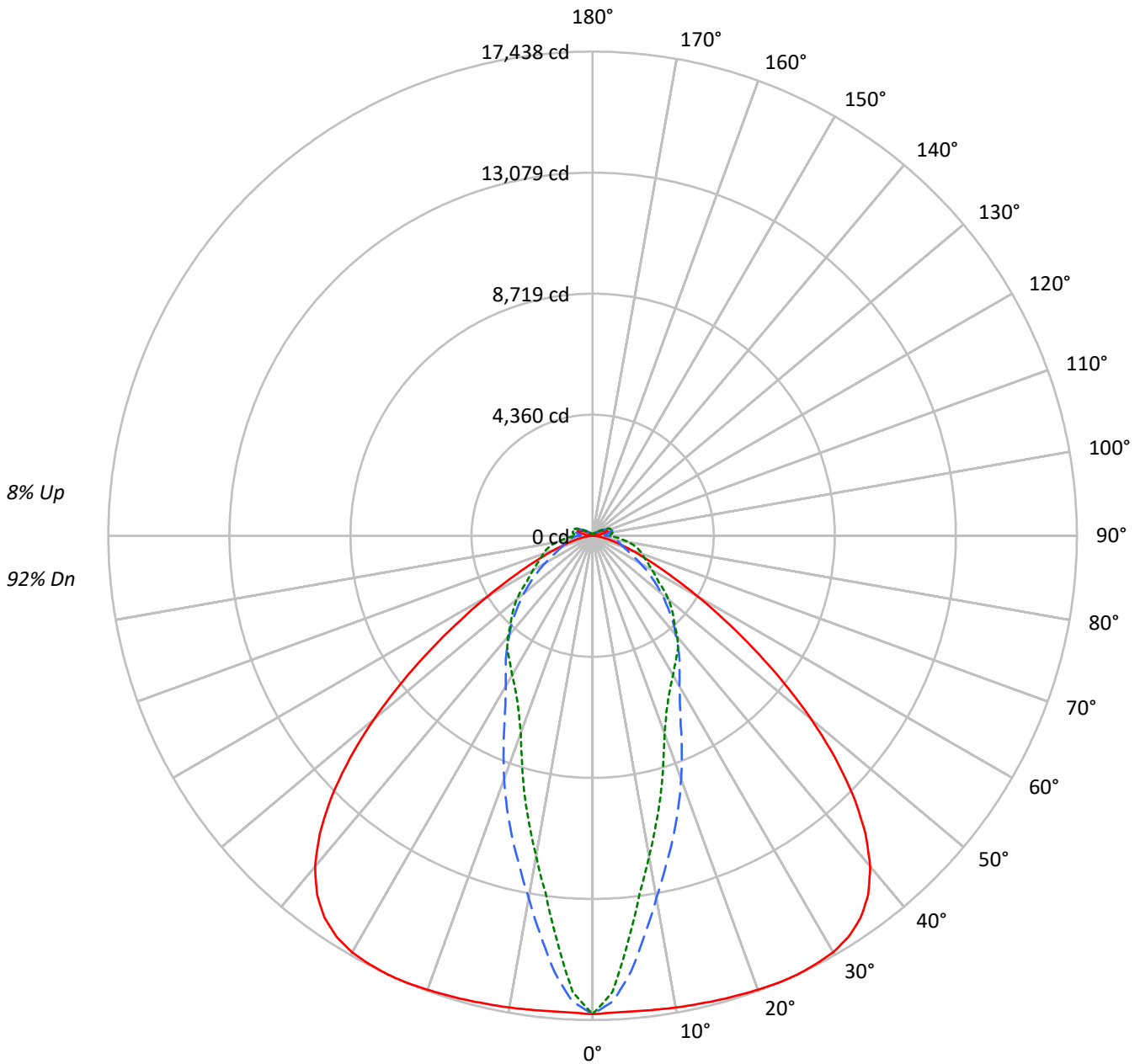
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26745.2 lumens  
Efficiency: N/A  
Efficacy: 145.1 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 184.3  
Input Voltage (V): NR  
Input Current (Ain): 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: P828381

CATALOG NUMBER: OHBL-30SE-N-UNV-L940-CD-UPL15

### Luminous Intensity Polar Plot





TEST NUMBER: P828381

CATALOG NUMBER: OHBL-30SE-N-UNV-L940-CD-UPL15

**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	107	107	107	100	100	100	95	95	95	92																			
1	108	103	99	96	104	100	97	93	94	92	89	89	87	85	84	83	81	78																			
2	99	92	85	80	96	89	83	79	84	80	76	80	76	73	76	73	70	67																			
3	91	82	74	68	88	80	73	67	76	70	65	72	67	63	68	64	61	59																			
4	84	74	66	59	82	72	64	59	68	62	57	65	60	55	62	58	54	52																			
5	78	67	58	52	76	65	57	52	62	55	50	59	54	49	57	52	48	46																			
6	73	61	52	47	70	59	52	46	57	50	45	54	49	44	52	47	43	41																			
7	68	56	48	42	66	54	47	41	52	46	41	50	44	40	48	43	39	37																			
8	64	51	43	38	62	50	43	38	48	42	37	46	41	36	45	39	36	34																			
9	60	47	40	35	58	46	39	34	45	38	34	43	37	33	42	36	33	31																			
10	56	44	37	32	55	43	36	32	42	35	31	40	35	31	39	34	30	28																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	29422	29422	29422
5°	29220	26794	25033
10°	29406	22570	20171
15°	29832	19303	16638
20°	30513	16321	13527
25°	31398	13509	11916
30°	32297	11638	11134
35°	32762	10606	10675
40°	31977	9581	10198
45°	29186	8658	9516
50°	24398	7649	9015
55°	18335	6700	8111
60°	12674	5746	7873
65°	8374	4948	7846
70°	5581	4644	8435
75°	3734	4790	9346
80°	2418	5304	10231
85°	1244	6635	12198



TEST NUMBER: P828381

CATALOG NUMBER: OHBL-30SE-N-UNV-L940-CD-UPL15

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1450.1	5.4
10°-20°	3411.3	12.8
20°-30°	4276.0	16.0
30°-40°	4537.3	17.0
40°-50°	4102.4	15.3
50°-60°	2974.5	11.1
60°-70°	1866.7	7.0
70°-80°	1235.3	4.6
80°-90°	715.0	2.7
90°-100°	471.4	1.8
100°-110°	676.7	2.5
110°-120°	523.8	2.0
120°-130°	252.0	0.9
130°-140°	123.2	0.5
140°-150°	70.4	0.3
150°-160°	38.4	0.1
160°-170°	15.9	0.1
170°-180°	4.8	0.0
0°-30°	9137.3	34.2
0°-40°	13674.6	51.1
0°-60°	20751.6	77.6
0°-90°	24568.6	91.9
90°-120°	1671.9	6.3
90°-150°	2117.5	7.9
90°-180°	2177.0	8.1
0°-180°	26745.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	17226	17226	17226	17226	17226	
5°	17192	16751	15767	15036	14657	###
15°	17323	14119	11214	9973	9521	4913
25°	17438	10918	7509	6665	6453	8056
35°	16813	7258	5450	5279	5278	10452
45°	13292	4597	3950	4045	4114	10125
55°	7037	2849	2577	2795	2895	6358
65°	2517	1653	1492	1912	2125	2619
75°	777	890	1002	1556	1649	866
85°	136	369	733	1020	936	163
90°	3	173	450	632	641	11
95°	31	171	467	632	675	93
105°	564	615	735	688	670	534
115°	397	430	566	610	608	400
125°	203	220	293	315	313	190
135°	125	132	156	180	181	99
145°	99	102	107	122	120	62
155°	83	89	92	94	92	36
165°	55	55	56	56	56	16
175°	50	50	50	50	50	5
180°	50	50	50	50	50	



TEST NUMBER: P828381

CATALOG NUMBER: OHBL-30SE-N-UNV-L940-CD-UPL15

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	17226.3	17226.3	17226.3	17226.3	17226.3
2.5°	17190.2	17091.9	16785.3	16598.4	16441.0
5°	17191.9	16750.9	15767.1	15035.9	14657.2
7.5°	17216.5	16236.1	14463.7	13396.4	12980.0
10°	17254.2	15598.3	13247.2	12109.4	11720.8
12.5°	17282.0	14880.2	12176.7	11007.7	10581.4
15°	17323.1	14119.4	11214.3	9973.1	9520.6
17.5°	17360.7	13403.0	10263.4	8966.5	8463.2
20°	17398.5	12630.8	9312.4	7976.2	7561.4
22.5°	17434.5	11815.9	8384.5	7207.3	6923.6
25°	17437.8	10917.5	7509.0	6664.6	6453.1
27.5°	17395.1	9986.3	6799.1	6210.4	6079.3
30°	17321.4	9082.9	6248.2	5882.6	5789.1
32.5°	17137.8	8161.5	5821.9	5566.1	5512.0
35°	16813.1	7258.1	5449.8	5279.2	5277.6
37.5°	16301.6	6456.4	5046.4	5016.9	5053.0
40°	15545.8	5754.7	4664.4	4743.1	4743.1
42.5°	14537.5	5144.8	4318.4	4398.8	4377.5
45°	13291.5	4597.2	3949.5	4044.7	4113.5
47.5°	11847.1	4115.2	3572.5	3756.1	3851.2
50°	10276.4	3656.1	3228.2	3462.6	3570.8
52.5°	8630.4	3231.5	2892.1	3161.0	3247.9
55°	7036.8	2849.4	2577.3	2795.4	2895.3
57.5°	5594.0	2485.5	2269.1	2475.7	2682.2
60°	4352.9	2172.3	1978.9	2274.0	2480.6
62.5°	3324.9	1893.6	1706.7	2085.4	2292.0
65°	2516.6	1652.6	1492.0	1911.6	2124.8
67.5°	1897.0	1444.4	1324.7	1785.4	1993.6
70°	1424.8	1242.8	1190.3	1706.7	1893.6
72.5°	1052.5	1057.5	1083.7	1637.9	1780.5
75°	777.1	890.2	1001.8	1555.9	1649.3
77.5°	555.8	737.8	928.0	1457.5	1490.3
80°	385.3	601.7	850.9	1328.0	1300.2
82.5°	241.0	482.0	782.1	1185.4	1108.3
85°	136.1	368.9	732.9	1019.8	936.1
87.5°	60.7	275.4	641.0	795.2	742.7
90°	2.6	173.3	449.9	631.5	640.7
92.5°	12.0	152.2	431.9	603.2	628.3
95°	30.9	170.8	466.8	631.7	674.7
97.5°	152.5	257.7	528.2	676.5	711.8
100°	302.8	401.8	583.0	707.5	730.0
102.5°	482.7	534.3	633.2	697.7	705.6
105°	563.5	614.7	734.7	687.6	670.5



TEST NUMBER: P828381

CATALOG NUMBER: OHBL-30SE-N-UNV-L940-CD-UPL15

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	459.0	504.4	645.7	684.2	676.8
115°	397.1	429.9	566.2	610.4	607.5
117.5°	344.8	367.7	487.6	526.8	526.7
120°	290.9	314.1	413.3	446.0	445.2
122.5°	244.0	264.1	350.4	375.7	373.2
125°	203.1	220.1	292.6	315.4	312.9
127.5°	174.5	183.9	244.9	267.9	264.6
130°	153.6	161.3	205.9	229.7	229.7
132.5°	137.3	144.0	177.9	201.7	202.6
135°	125.1	131.8	155.7	180.4	181.3
137.5°	116.4	123.0	139.6	161.8	162.7
140°	107.7	113.5	126.0	146.6	147.5
142.5°	103.2	106.6	114.9	133.0	133.0
145°	98.8	102.2	107.2	122.1	120.4
147.5°	94.4	99.5	102.9	111.0	110.2
150°	90.1	96.8	97.6	103.4	101.8
152.5°	86.6	92.4	94.2	97.5	96.7
155°	83.1	88.9	92.3	94.0	91.6
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°	563.5	618.4	759.5	716.0	664.0
110°	522.5	572.8	717.4	733.7	691.3



(END OF REPORT)