

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: P828279

Luminaire Tested: **OHBL-15SE-A-UNV-L940-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828279
REPORT IS A COMBINATION OF REPORTS P826113 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-15SE-A-UNV-L940-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

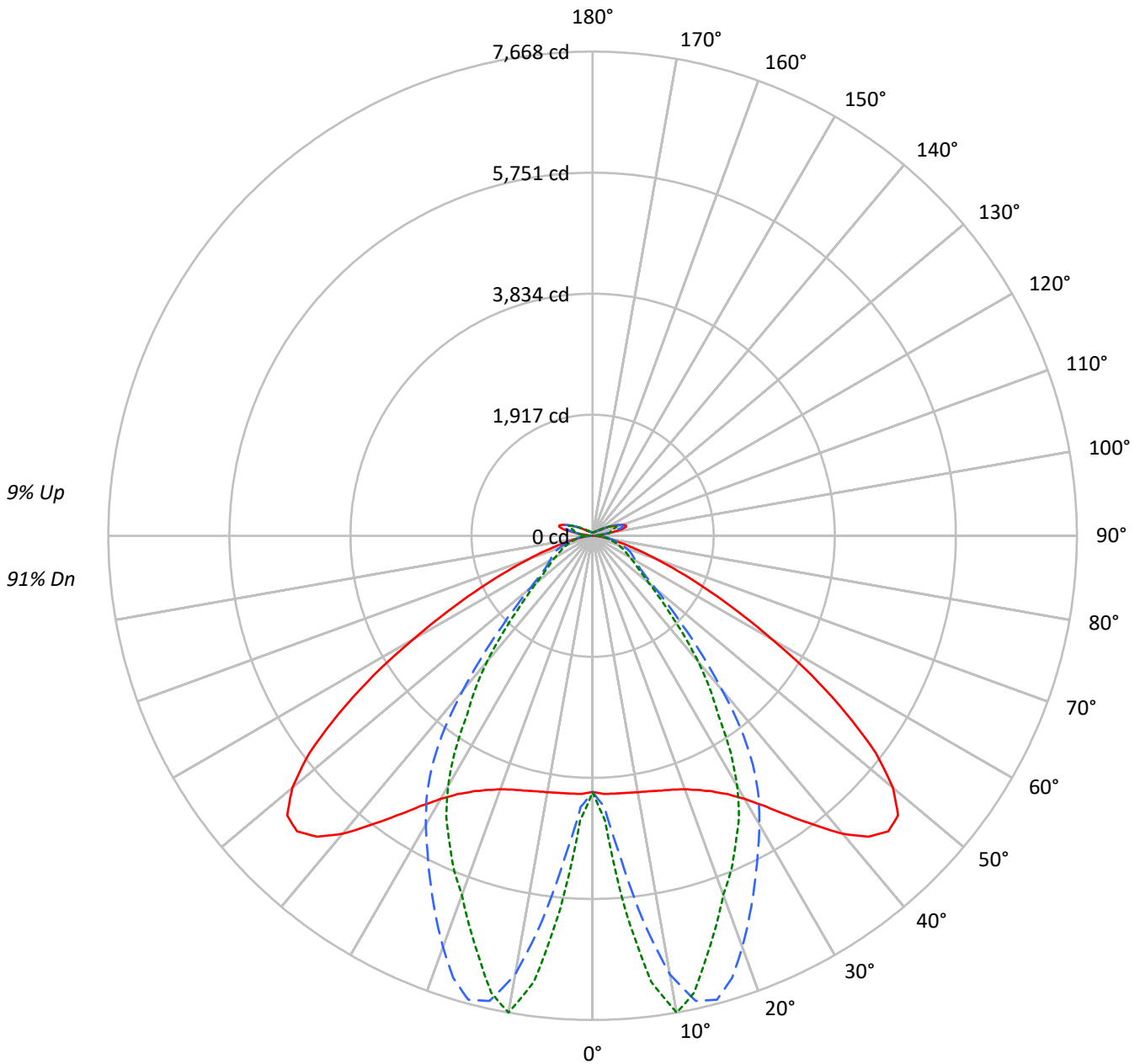
Lumens per Lamp: N/A
Luminaire Lumens: 14341.7 lumens
Efficiency: N/A
Efficacy: 147.4 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')
CIE Type: Direct

Input Watts (W): 97.3
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: P828279

CATALOG NUMBER: OHBL-15SE-A-UNV-L940-CD-UPL15

Luminous Intensity Polar Plot





TEST NUMBER: P828279

CATALOG NUMBER: OHBL-15SE-A-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	106	106	106	100	100	100	94	94	94	91																			
1	108	104	101	98	105	101	98	95	95	93	91	90	88	86	85	84	82	80																			
2	100	93	87	83	97	91	85	81	86	81	78	81	78	75	77	74	72	69																			
3	93	84	77	71	90	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	40	34	31	29																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13201	13201	13201
5°	13165	16511	19351
10°	13180	22639	25135
15°	13389	24526	23069
20°	13832	22629	20617
25°	14719	20231	18859
30°	16271	18104	16769
35°	18951	15740	13363
40°	22556	11900	10635
45°	25581	8041	7569
50°	25601	5464	5598
55°	21827	4254	4574
60°	16010	3928	4115
65°	10725	3875	3898
70°	6655	3656	3775
75°	3839	3281	3612
80°	2120	2749	3727
85°	914	2170	3455



TEST NUMBER: P828279

CATALOG NUMBER: OHBL-15SE-A-UNV-L940-CD-UPL15

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	529.7	3.7
10°-20°	1869.7	13.0
20°-30°	2755.1	19.2
30°-40°	2895.1	20.2
40°-50°	2215.3	15.4
50°-60°	1337.7	9.3
60°-70°	816.3	5.7
70°-80°	445.5	3.1
80°-90°	159.7	1.1
90°-100°	126.6	0.9
100°-110°	438.7	3.1
110°-120°	377.0	2.6
120°-130°	180.9	1.3
130°-140°	90.4	0.6
140°-150°	52.5	0.4
150°-160°	30.6	0.2
160°-170°	15.9	0.1
170°-180°	4.8	0.0
0°-30°	5154.4	35.9
0°-40°	8049.6	56.1
0°-60°	11602.6	80.9
0°-90°	13024.1	90.8
90°-120°	942.3	6.6
90°-150°	1266.2	8.8
90°-180°	1318.0	9.2
0°-180°	14341.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4058	4058	4058	4058	4058	
5°	4098	4397	5129	5727	5948	392
15°	4178	6508	7606	7097	6930	1188
25°	4465	7553	6072	5497	5362	2087
35°	5408	6048	4424	3684	3468	3431
45°	6619	3451	2038	1793	1718	5001
55°	4895	1170	928	860	857	4326
65°	1962	741	682	584	554	2011
75°	522	461	423	349	335	601
85°	78	143	168	154	139	96
90°	3	19	25	33	37	6
95°	24	63	93	124	144	87
105°	550	542	462	327	300	521
115°	379	379	383	381	373	383
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	



TEST NUMBER: P828279

CATALOG NUMBER: OHBL-15SE-A-UNV-L940-CD-UPL15

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4057.6	4057.6	4057.6	4057.6	4057.6
2.5°	4090.9	4132.6	4297.2	4468.1	4509.7
5°	4098.4	4397.0	5129.3	5727.3	5948.3
7.5°	4107.1	4825.2	6160.2	6892.4	7126.7
10°	4123.6	5366.6	7053.5	7579.2	7667.7
12.5°	4144.1	5940.3	7545.0	7525.9	7414.3
15°	4178.2	6507.7	7605.6	7097.2	6930.3
17.5°	4214.0	6987.7	7341.5	6630.6	6485.3
20°	4272.4	7344.1	6930.7	6215.7	6050.6
22.5°	4356.4	7540.0	6499.9	5840.6	5732.9
25°	4464.8	7552.8	6072.0	5497.3	5361.6
27.5°	4610.1	7377.5	5661.9	5160.9	5017.6
30°	4807.8	7042.1	5280.8	4755.3	4577.5
32.5°	5076.3	6559.2	4887.9	4265.8	4066.3
35°	5408.2	6048.4	4423.6	3683.9	3468.5
37.5°	5770.5	5481.2	3860.0	3168.7	3043.2
40°	6160.2	4896.6	3192.0	2686.5	2596.8
42.5°	6464.4	4261.2	2571.6	2232.6	2137.0
45°	6619.4	3451.3	2037.7	1793.1	1717.7
47.5°	6559.0	2679.0	1615.4	1424.7	1402.1
50°	6206.7	1978.2	1293.1	1173.6	1164.2
52.5°	5655.8	1474.5	1068.2	994.2	978.0
55°	4895.2	1170.3	927.6	859.7	857.1
57.5°	4110.0	994.2	842.0	789.5	771.2
60°	3272.4	886.5	777.1	717.7	680.7
62.5°	2565.1	811.2	729.4	648.9	614.2
65°	1962.5	740.9	682.4	583.9	554.2
67.5°	1463.0	673.9	625.0	515.8	498.4
70°	1065.9	605.1	559.6	458.6	444.9
72.5°	759.6	536.6	494.2	405.1	389.9
75°	522.5	460.7	422.6	348.7	334.6
77.5°	352.6	383.3	352.2	297.7	291.8
80°	235.4	304.0	284.8	252.3	248.7
82.5°	142.8	220.7	224.8	205.1	195.2
85°	77.8	142.8	168.4	153.5	139.2
87.5°	30.4	79.2	116.1	104.2	98.2
90°	2.6	19.1	25.2	33.0	37.4
92.5°	8.7	24.3	40.0	55.6	64.3
95°	24.3	62.6	93.0	123.5	143.5
97.5°	144.3	162.6	177.4	204.3	220.0
100°	293.0	316.5	260.0	273.0	279.1
102.5°	471.2	455.6	336.5	302.6	297.4
105°	550.4	542.5	462.5	326.9	300.0



TEST NUMBER: P828279

CATALOG NUMBER: OHBL-15SE-A-UNV-L940-CD-UPL15

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	442.5	448.6	440.8	425.2	409.5
115°	379.1	379.1	382.6	380.8	373.0
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°	550.4	551.2	510.4	393.0	329.5
110°	507.8	512.1	489.5	445.2	391.2



(END OF REPORT)