

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: P828280

Luminaire Tested: **OHBL-15SE-A-UNV-L940-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828280
REPORT IS A COMBINATION OF REPORTS P826221 AND G3-2310-221-6
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-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

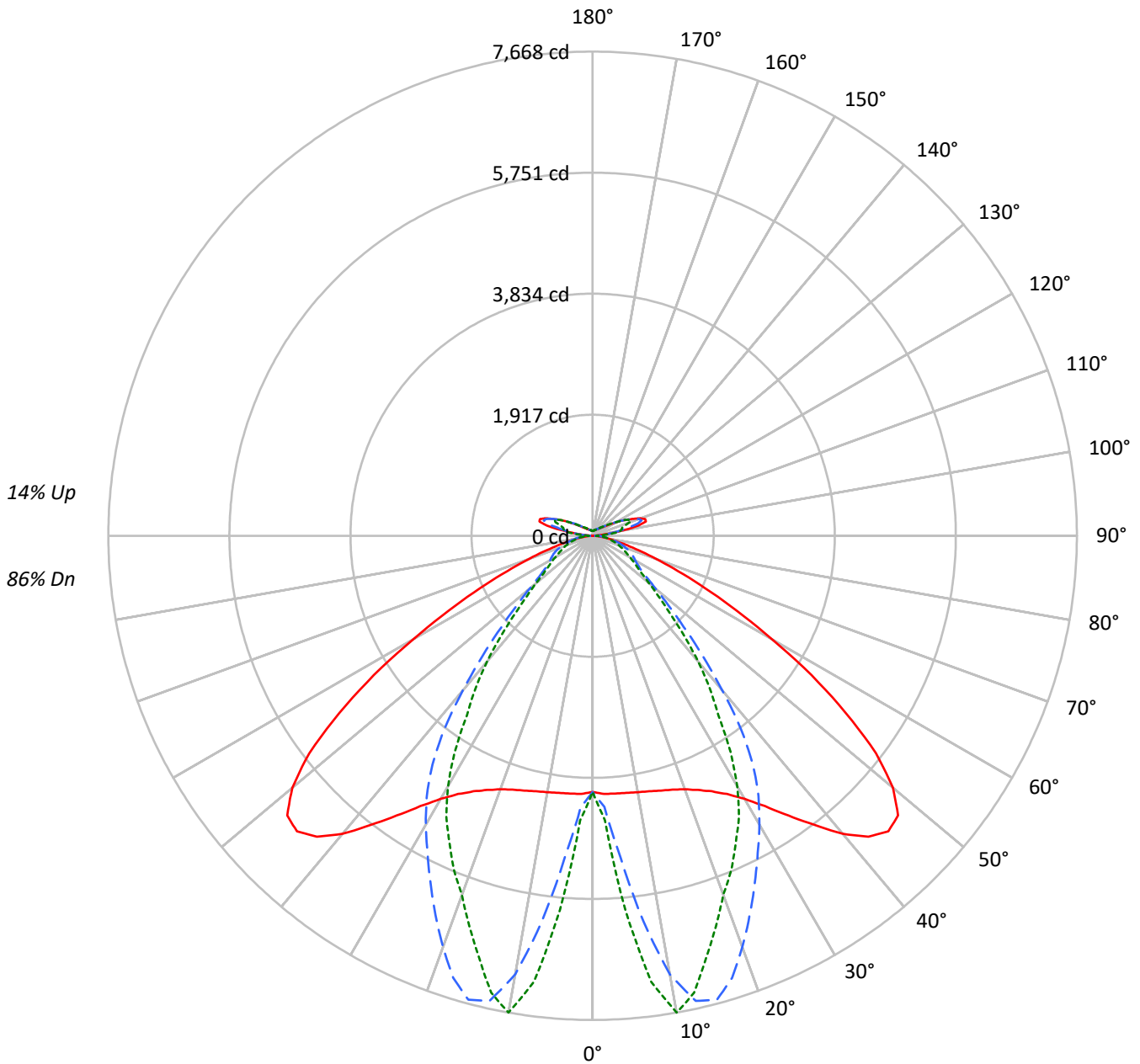
Lumens per Lamp: N/A
Luminaire Lumens: 15125.1 lumens
Efficiency: N/A
Efficacy: 144.9 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 104.4
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: P828280

CATALOG NUMBER: OHBL-15SE-A-UNV-L940-CD-UPL24

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20	
RC	80				70				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	116	116	116	116	111	111	111	111	103	103	103	96	96	96	89	89	89	86				86
1	107	103	100	96	103	100	97	94	93	90	88	87	85	83	81	80	78	75				75
2	99	92	86	82	95	89	84	80	83	79	76	78	75	72	73	71	68	66				66
3	92	83	76	70	88	80	74	69	75	70	66	71	66	63	67	63	60	58				58
4	85	74	67	61	81	72	65	60	68	62	58	64	59	55	61	57	53	51				51
5	79	67	59	54	76	65	58	53	62	56	51	59	53	49	55	51	48	45				45
6	73	61	53	48	70	60	52	47	57	50	46	54	48	44	51	46	43	41				41
7	68	56	48	43	66	55	47	42	52	46	41	49	44	40	47	42	39	37				37
8	64	51	44	39	61	50	43	38	48	42	37	46	40	36	43	39	35	33				33
9	60	47	40	35	58	46	39	35	44	38	34	42	37	33	40	36	32	30				30
10	56	44	37	32	54	43	36	32	41	35	31	39	34	30	38	33	29	28				28

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	529.7	3.5
10°-20°	1869.7	12.4
20°-30°	2755.1	18.2
30°-40°	2895.1	19.1
40°-50°	2215.3	14.6
50°-60°	1337.7	8.8
60°-70°	816.3	5.4
70°-80°	445.5	2.9
80°-90°	161.8	1.1
90°-100°	201.6	1.3
100°-110°	699.8	4.6
110°-120°	600.3	4.0
120°-130°	288.0	1.9
130°-140°	144.1	1.0
140°-150°	83.5	0.6
150°-160°	48.7	0.3
160°-170°	25.2	0.2
170°-180°	7.7	0.1
0°-30°	5154.4	34.1
0°-40°	8049.6	53.2
0°-60°	11602.6	76.7
0°-90°	13026.2	86.1
90°-120°	1501.7	9.9
90°-150°	2017.3	13.3
90°-180°	2099.0	13.9
0°-180°	15125.1	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°	4	30	41	54	60	7
95°	46	96	150	198	224	143
105°	872	862	734	522	480	827
115°	602	608	608	606	601	607
125°	294	310	316	315	312	276
135°	174	177	184	185	187	137
145°	126	130	132	133	134	80
155°	101	103	104	105	105	47
165°	87	88	89	89	89	25
175°	78	79	79	80	80	8
180°	78	78	78	78	78	



TEST NUMBER: P828280

CATALOG NUMBER: OHBL-15SE-A-UNV-L940-CD-UPL24

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°	4.3	29.6	40.9	53.9	60.0
92.5°	14.8	39.1	62.6	88.7	100.0
95°	46.1	96.5	149.5	198.2	224.3
97.5°	233.9	253.0	272.1	329.5	358.2
100°	479.9	509.5	411.2	434.7	442.5
102.5°	741.6	737.3	537.3	481.7	474.7
105°	872.1	862.5	733.8	522.5	479.9



TEST NUMBER: P828280

CATALOG NUMBER: OHBL-15SE-A-UNV-L940-CD-UPL24

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	702.5	712.9	699.0	679.0	651.2
115°	601.7	607.7	607.7	606.0	600.8
117.5°	514.7	515.6	519.1	518.2	519.1
120°	426.0	435.6	443.4	439.1	433.9
122.5°	357.3	367.8	373.0	371.3	366.0
125°	293.9	309.5	315.6	314.7	312.1
127.5°	248.7	260.0	268.7	269.5	268.7
130°	216.5	223.4	232.1	233.0	233.9
132.5°	192.1	198.2	204.3	207.8	206.9
135°	173.9	177.4	183.5	185.2	186.9
137.5°	159.1	161.7	166.9	169.5	169.5
140°	146.1	149.5	153.9	155.6	156.5
142.5°	134.8	138.2	141.7	143.5	143.5
145°	126.1	129.5	132.2	133.0	133.9
147.5°	118.2	121.7	123.5	125.2	125.2
150°	112.2	113.9	116.5	117.4	118.2
152.5°	106.1	107.8	110.4	111.3	111.3
155°	100.9	102.6	104.3	105.2	105.2
157.5°	96.5	98.2	100.0	100.9	100.9
160°	93.0	93.9	95.6	96.5	96.5
162.5°	89.6	90.4	91.3	92.2	92.2
165°	86.9	87.8	88.7	88.7	88.7
167.5°	84.3	84.3	85.2	86.1	86.1
170°	81.7	82.6	82.6	83.5	83.5
172.5°	80.0	80.9	80.9	80.9	81.7
175°	78.2	79.1	79.1	80.0	80.0
177.5°	78.2	78.2	78.2	78.2	78.2
180°	78.2	78.2	78.2	78.2	78.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	875.5	879.0	811.2	633.8	527.8
110°	807.7	815.5	776.4	709.5	624.3



(END OF REPORT)