

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: P828588

Luminaire Tested: **OHBL-15SE-NL-UNV-L950-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828588
REPORT IS A COMBINATION OF REPORTS P826225 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-NL-UNV-L950-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

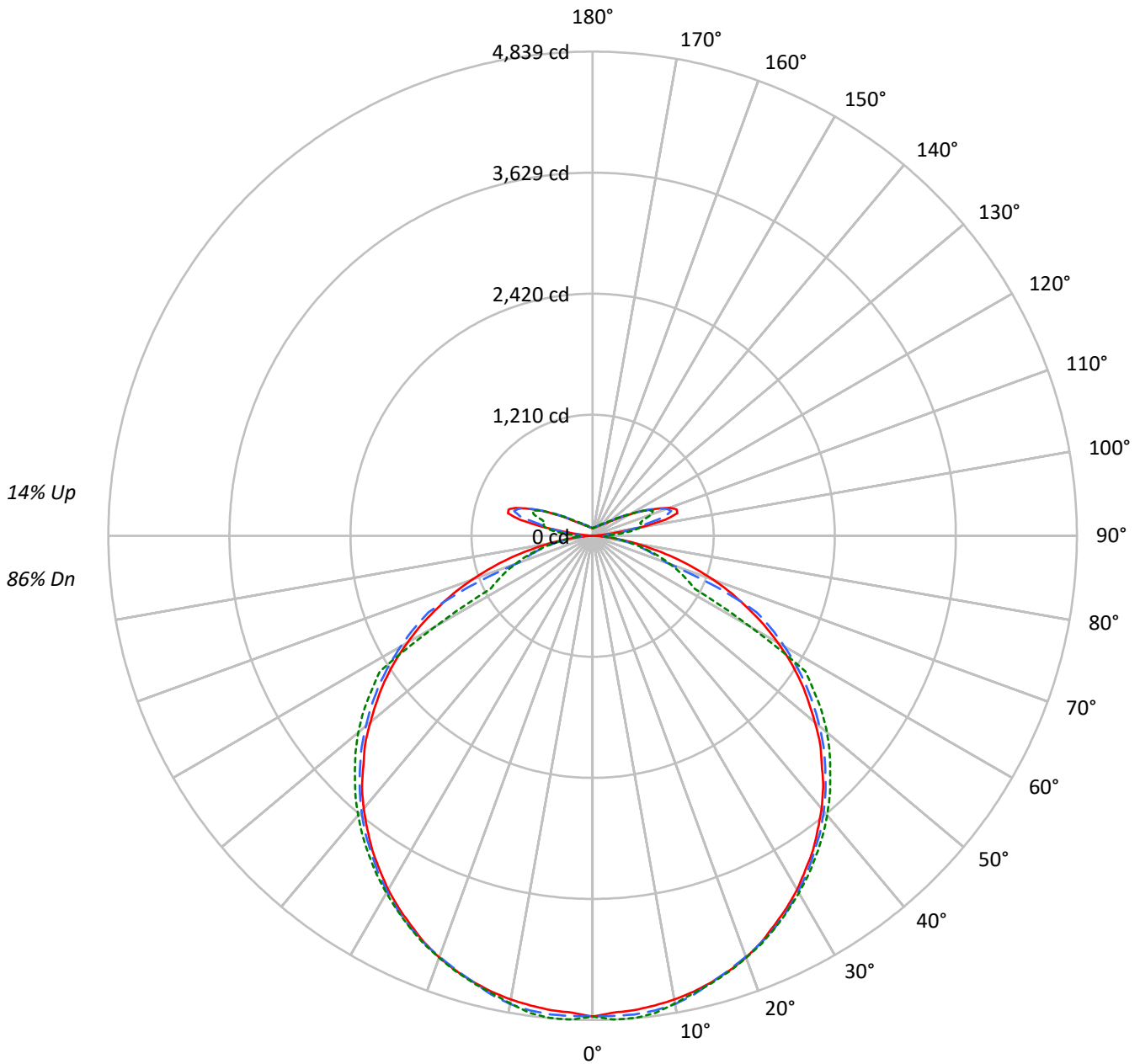
Lumens per Lamp: N/A
Luminaire Lumens: 15591.9 lumens
Efficiency: N/A
Efficacy: 149.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.1')
CIE Type: Semi-Direct

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: P828588

CATALOG NUMBER: OHBL-15SE-NL-UNV-L950-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	106	102	98	94	102	98	94	91	91	88	86	85	83	81	79	78	76	73				73
2	97	89	82	77	93	86	80	75	80	75	71	75	71	68	70	67	64	61				61
3	88	78	70	64	85	76	68	63	71	65	60	66	61	57	62	58	54	52				52
4	81	69	61	54	77	67	59	53	63	56	51	59	53	49	55	51	47	44				44
5	74	62	53	47	71	60	52	46	56	49	44	53	47	42	50	45	41	38				38
6	68	56	47	41	66	54	46	40	51	44	39	48	42	37	45	40	36	33				33
7	63	50	42	36	61	49	41	35	46	39	34	43	37	33	41	36	32	30				30
8	59	46	38	32	57	44	37	31	42	35	30	40	34	29	38	32	28	26				26
9	55	42	34	29	53	41	33	28	39	32	27	37	31	26	35	29	26	24				24
10	51	39	31	26	50	38	30	25	36	29	25	34	28	24	32	27	23	21				21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15629	15629	15629
5°	15389	15548	15765
10°	15240	15424	15602
15°	15082	15138	15466
20°	14903	14958	15389
25°	14637	14808	15319
30°	14396	14587	15252
35°	14116	14331	15192
40°	13792	14082	15147
45°	13368	13753	15053
50°	12913	13384	14993
55°	12372	12927	14739
60°	11611	12285	11386
65°	10569	11476	7584
70°	9263	5805	7250
75°	7442	5123	6760
80°	4954	4120	5919
85°	1787	3047	5122



TEST NUMBER: P828588

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	456.4	2.9
10°-20°	1306.8	8.4
20°-30°	1988.4	12.8
30°-40°	2417.6	15.5
40°-50°	2542.0	16.3
50°-60°	2321.1	14.9
60°-70°	1488.0	9.5
70°-80°	702.9	4.5
80°-90°	200.3	1.3
90°-100°	253.2	1.6
100°-110°	713.9	4.6
110°-120°	604.2	3.9
120°-130°	288.0	1.8
130°-140°	144.1	0.9
140°-150°	83.5	0.5
150°-160°	48.7	0.3
160°-170°	25.2	0.2
170°-180°	7.7	0.0
0°-30°	3751.6	24.1
0°-40°	6169.1	39.6
0°-60°	11032.2	70.8
0°-90°	13423.3	86.1
90°-120°	1571.4	10.1
90°-150°	2087.0	13.4
90°-180°	2169.0	13.9
0°-180°	15591.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4804	4804	4804	4804	4804	
5°	4759	4778	4802	4828	4838	453
15°	4615	4650	4614	4621	4624	1303
25°	4295	4302	4317	4324	4320	1982
35°	3839	3816	3860	3907	3896	2399
45°	3238	3232	3287	3364	3358	2503
55°	2537	2518	2603	2690	2697	2263
65°	1710	1710	1809	1038	1041	1695
75°	845	861	559	588	591	890
85°	110	140	174	189	179	163
90°	4	77	118	146	150	8
95°	49	121	205	273	299	145
105°	876	872	747	536	493	832
115°	606	614	616	612	602	610
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: P828588

CATALOG NUMBER: OHBL-15SE-NL-UNV-L950-CD-UPL24

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4803.9	4803.9	4803.9	4803.9	4803.9
2.5°	4770.2	4786.3	4803.9	4826.7	4839.3
5°	4759.3	4777.9	4802.3	4828.5	4838.5
7.5°	4735.7	4761.8	4785.4	4803.9	4809.9
10°	4706.1	4737.4	4750.9	4749.2	4745.0
12.5°	4666.6	4699.4	4695.3	4675.8	4679.2
15°	4615.1	4649.7	4614.3	4621.0	4624.4
17.5°	4554.4	4588.1	4546.8	4560.3	4561.2
20°	4483.6	4508.9	4476.9	4487.9	4487.9
22.5°	4398.5	4416.2	4402.7	4410.3	4412.0
25°	4294.8	4301.5	4316.7	4323.5	4320.1
27.5°	4195.4	4186.9	4216.5	4232.5	4223.9
30°	4084.9	4071.4	4106.0	4132.1	4122.0
32.5°	3958.5	3950.1	3989.7	4020.8	4014.9
35°	3838.8	3816.0	3859.8	3907.0	3896.1
37.5°	3697.1	3683.7	3733.4	3783.2	3777.3
40°	3558.9	3536.1	3592.6	3651.7	3645.8
42.5°	3410.6	3383.5	3445.1	3515.9	3509.2
45°	3237.7	3231.8	3286.6	3364.1	3358.3
47.5°	3084.4	3054.9	3131.5	3206.6	3213.4
50°	2898.8	2887.9	2957.9	3049.0	3055.7
52.5°	2717.7	2710.1	2783.4	2875.3	2887.1
55°	2537.2	2517.9	2603.0	2689.9	2696.7
57.5°	2344.3	2324.0	2410.9	2505.3	2519.6
60°	2137.7	2118.3	2213.5	2301.2	1830.1
62.5°	1931.2	1917.7	2017.2	1428.8	1151.5
65°	1709.5	1709.5	1808.9	1037.7	1041.1
67.5°	1502.1	1488.7	1348.8	932.2	932.2
70°	1279.6	1284.7	777.1	816.8	817.6
72.5°	1056.2	1074.8	671.0	702.9	704.7
75°	844.6	860.7	558.9	588.4	590.9
77.5°	620.4	477.1	449.2	472.1	472.9
80°	435.8	300.9	344.0	365.8	363.3
82.5°	254.5	210.7	252.1	268.0	267.2
85°	110.4	139.9	174.5	188.8	178.7
87.5°	35.3	86.9	108.7	117.2	116.2
90°	4.3	76.8	118.4	145.7	150.2
92.5°	14.8	76.2	130.1	173.0	185.1
95°	48.6	120.9	205.3	273.3	299.3
97.5°	235.6	270.7	311.8	388.5	418.9
100°	481.7	523.8	437.4	476.8	485.6
102.5°	745.8	749.0	553.3	508.6	502.5
105°	876.2	871.8	747.3	536.0	492.6



TEST NUMBER: P828588

CATALOG NUMBER: OHBL-15SE-NL-UNV-L950-CD-UPL24

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	707.6	719.7	708.3	685.8	652.0
115°	605.8	613.7	616.1	611.9	601.6
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°	879.7	887.4	822.9	641.4	530.3
110°	812.8	823.1	786.5	716.2	625.0



(END OF REPORT)