

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: P827655

Luminaire Tested: **OHBL-12SE-A-UNV-L930-CD-UPL12**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827655
REPORT IS A COMBINATION OF REPORTS P826053 AND G3-2310-221-12
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-12SE-A-UNV-L930-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

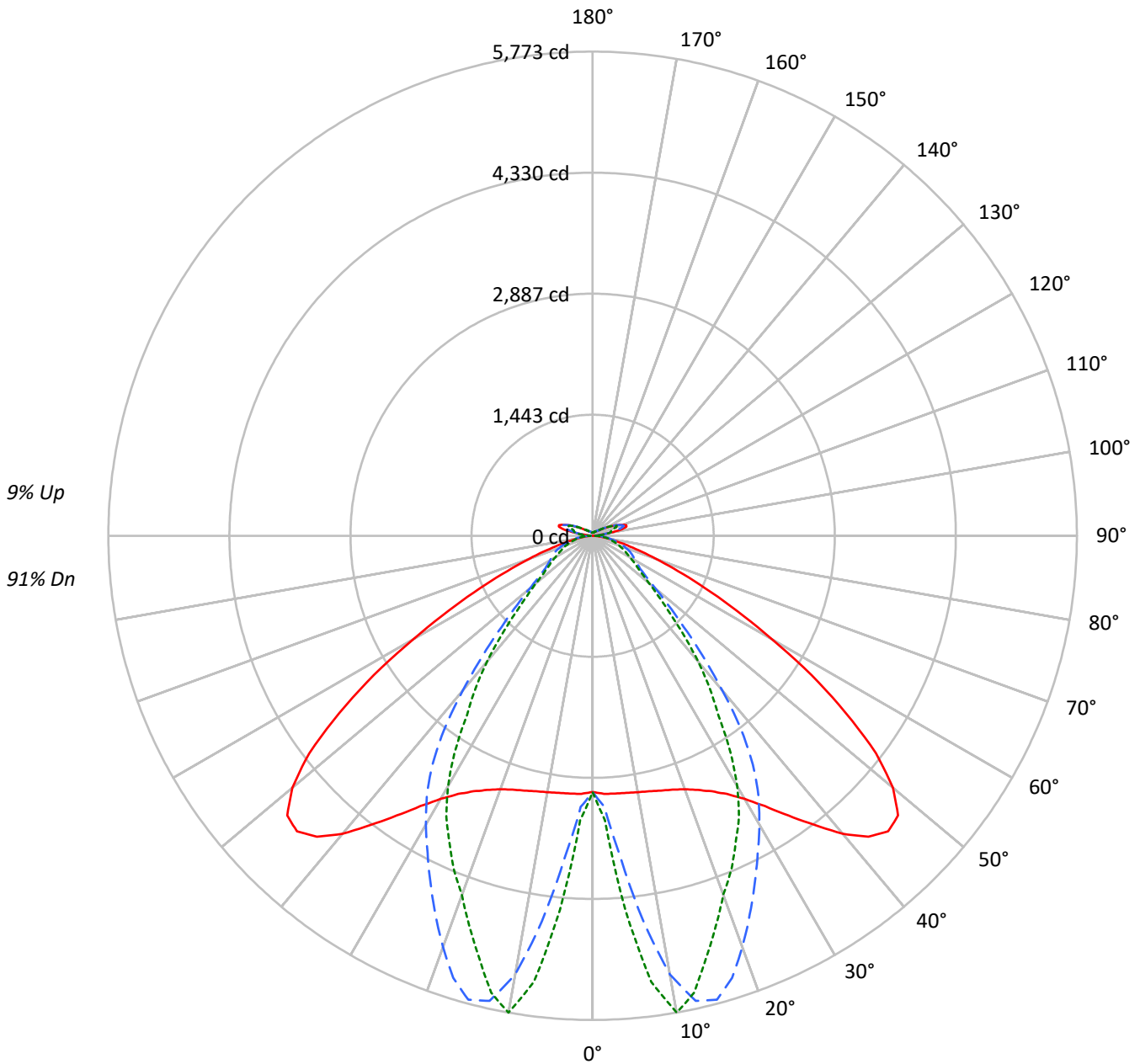
Lumens per Lamp: N/A
Luminaire Lumens: 10809.3 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')
CIE Type: Direct

Input Watts (W): 78.4
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	37	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°	9938	9938	9938
5°	9911	12431	14568
10°	9922	17044	18923
15°	10080	18464	17368
20°	10413	17036	15522
25°	11081	15231	14197
30°	12250	13629	12625
35°	14267	11850	10060
40°	16981	8959	8007
45°	19259	6054	5699
50°	19274	4114	4215
55°	16433	3202	3443
60°	12053	2957	3098
65°	8075	2917	2934
70°	5010	2753	2842
75°	2889	2470	2719
80°	1597	2071	2806
85°	687	1634	2601



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.8	3.7
10°-20°	1407.6	13.0
20°-30°	2074.1	19.2
30°-40°	2179.6	20.2
40°-50°	1667.8	15.4
50°-60°	1007.1	9.3
60°-70°	614.5	5.7
70°-80°	335.4	3.1
80°-90°	120.3	1.1
90°-100°	96.2	0.9
100°-110°	334.6	3.1
110°-120°	287.4	2.7
120°-130°	137.7	1.3
130°-140°	68.9	0.6
140°-150°	40.1	0.4
150°-160°	23.4	0.2
160°-170°	12.1	0.1
170°-180°	3.7	0.0
0°-30°	3880.5	35.9
0°-40°	6060.1	56.1
0°-60°	8735.0	80.8
0°-90°	9805.2	90.7
90°-120°	718.2	6.6
90°-150°	964.9	8.9
90°-180°	1004.0	9.3
0°-180°	10809.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3055	3055	3055	3055	3055	
5°	3085	3310	3862	4312	4478	295
15°	3146	4899	5726	5343	5218	894
25°	3361	5686	4571	4139	4036	1571
35°	4072	4554	3330	2773	2611	2583
45°	4983	2598	1534	1350	1293	3765
55°	3685	881	698	647	645	3257
65°	1478	558	514	440	417	1514
75°	393	347	318	262	252	453
85°	58	108	127	116	105	72
90°	2	15	19	25	28	5
95°	20	47	70	94	108	66
105°	418	413	352	250	230	395
115°	291	291	292	289	284	291
125°	142	148	151	150	150	133
135°	82	85	88	89	89	66
145°	61	62	63	64	65	38
155°	48	49	50	51	51	23
165°	42	42	43	43	43	12
175°	38	38	38	38	38	4
180°	37	37	37	37	37	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3054.8	3054.8	3054.8	3054.8	3054.8
2.5°	3079.8	3111.2	3235.2	3363.8	3395.1
5°	3085.4	3310.2	3861.6	4311.8	4478.2
7.5°	3092.0	3632.6	4637.7	5188.9	5365.4
10°	3104.4	4040.2	5310.3	5705.9	5772.6
12.5°	3119.8	4472.1	5680.3	5665.9	5581.8
15°	3145.5	4899.3	5725.8	5343.1	5217.5
17.5°	3172.5	5260.7	5527.1	4991.8	4882.4
20°	3216.4	5529.0	5217.7	4679.5	4555.2
22.5°	3279.7	5676.5	4893.4	4397.1	4316.0
25°	3361.3	5686.1	4571.3	4138.6	4036.4
27.5°	3470.7	5554.1	4262.5	3885.4	3777.5
30°	3619.5	5301.6	3975.6	3580.0	3446.2
32.5°	3821.6	4938.1	3679.9	3211.4	3061.3
35°	4071.6	4553.5	3330.3	2773.4	2611.2
37.5°	4344.3	4126.5	2906.0	2385.6	2291.1
40°	4637.7	3686.4	2403.1	2022.5	1955.0
42.5°	4866.7	3208.0	1936.0	1680.8	1608.8
45°	4983.4	2598.2	1534.1	1349.9	1293.2
47.5°	4937.9	2016.9	1216.1	1072.6	1055.5
50°	4672.7	1489.3	973.6	883.6	876.5
52.5°	4258.0	1110.0	804.2	748.5	736.3
55°	3685.4	881.1	698.3	647.2	645.3
57.5°	3094.2	748.5	633.9	594.3	580.5
60°	2463.6	667.4	585.0	540.4	512.5
62.5°	1931.1	610.7	549.1	488.5	462.4
65°	1477.5	557.8	513.8	439.7	417.2
67.5°	1101.4	507.3	470.5	388.2	375.1
70°	802.4	455.6	421.3	345.3	335.0
72.5°	571.9	404.0	372.0	305.0	293.6
75°	393.3	346.9	318.2	262.5	251.9
77.5°	265.4	288.6	265.1	224.2	219.7
80°	177.3	228.8	214.5	190.0	187.2
82.5°	107.5	166.1	169.3	154.5	147.0
85°	58.5	107.5	126.8	115.5	104.8
87.5°	23.0	59.6	87.4	78.5	73.9
90°	2.4	14.6	19.4	25.1	28.3
92.5°	7.3	18.6	30.7	43.6	47.7
95°	20.2	46.9	69.5	93.8	108.3
97.5°	109.1	118.8	134.2	158.4	166.5
100°	223.1	240.1	199.7	208.6	212.6
102.5°	354.9	350.0	255.4	231.2	227.1
105°	417.9	413.1	352.4	249.8	229.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	337.9	340.3	337.9	325.0	311.2
115°	291.0	291.0	291.8	289.4	284.5
117.5°	244.1	247.4	249.8	247.4	245.7
120°	204.5	209.4	211.0	207.7	207.7
122.5°	172.2	176.2	178.6	176.2	177.0
125°	142.3	147.9	151.2	149.5	150.4
127.5°	118.8	123.7	129.3	128.5	128.5
130°	103.5	106.7	110.7	111.6	111.6
132.5°	92.2	94.6	97.8	98.6	99.4
135°	82.4	84.9	88.1	88.9	88.9
137.5°	76.0	77.6	80.0	80.8	81.6
140°	69.5	71.9	73.6	74.4	74.4
142.5°	64.7	66.3	67.9	68.7	69.5
145°	60.6	62.2	63.0	63.9	64.7
147.5°	56.6	58.2	59.8	59.8	60.6
150°	54.2	55.0	55.8	56.6	56.6
152.5°	50.9	51.7	52.5	53.4	53.4
155°	48.5	49.3	50.1	50.9	50.9
157.5°	46.1	47.7	47.7	48.5	48.5
160°	44.5	45.3	46.1	46.1	46.1
162.5°	42.8	43.6	43.6	44.5	44.5
165°	42.0	42.0	42.8	42.8	42.8
167.5°	40.4	40.4	41.2	41.2	41.2
170°	39.6	39.6	39.6	40.4	40.4
172.5°	38.8	38.8	38.8	38.8	38.8
175°	38.0	38.0	38.0	38.0	38.0
177.5°	37.2	38.0	38.0	38.0	38.0
180°	37.2	37.2	37.2	37.2	37.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	420.3	422.0	388.8	301.5	249.8
110°	384.8	390.4	372.6	339.5	298.3



(END OF REPORT)