

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: P827656

Luminaire Tested: **OHBL-12SE-A-UNV-L930-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827656
REPORT IS A COMBINATION OF REPORTS P826149 AND G3-2310-221-8
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-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

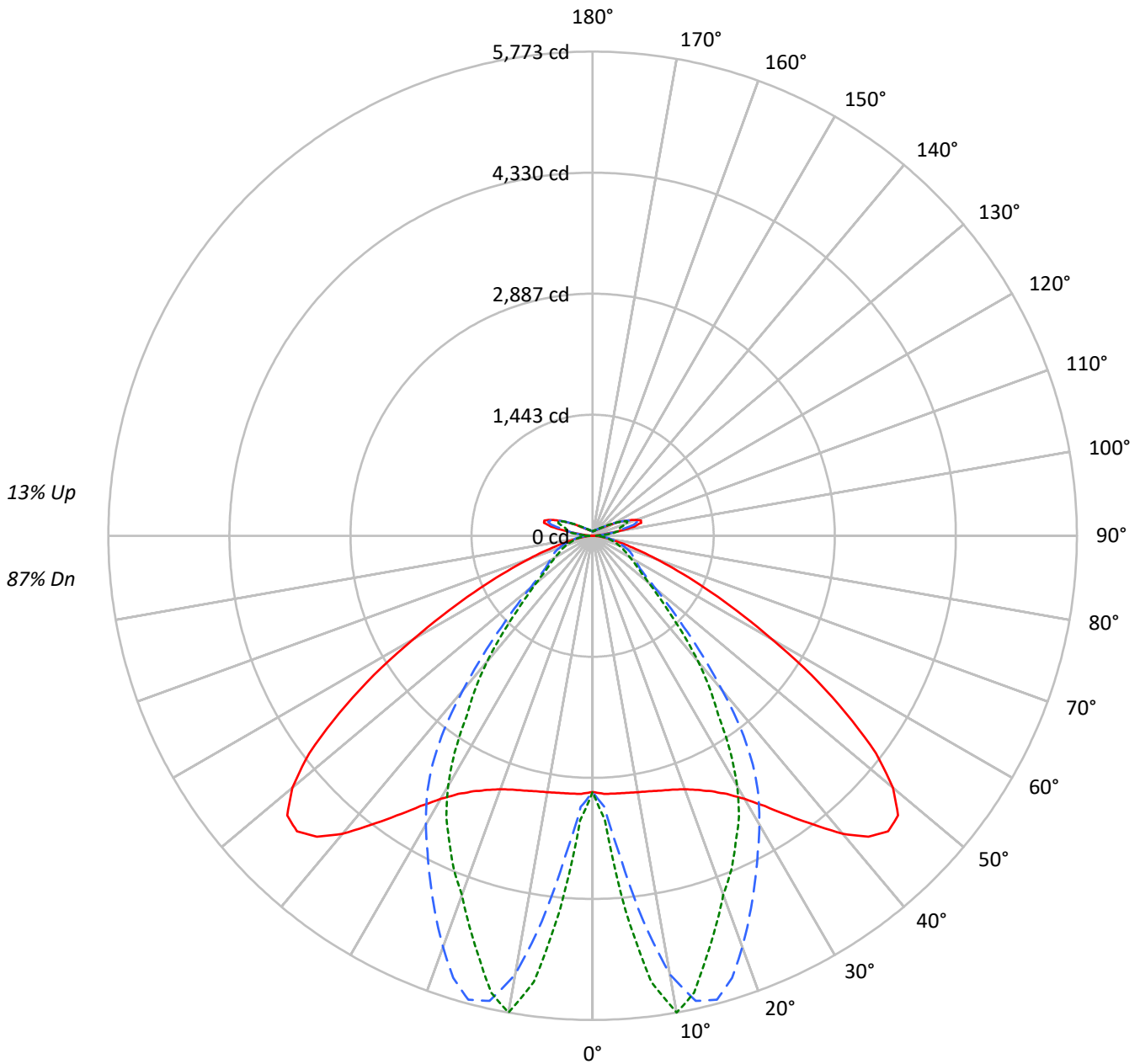
Lumens per Lamp: N/A
Luminaire Lumens: 11249.5 lumens
Efficiency: N/A
Efficacy: 136.7 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 82.3
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				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	112	112	112	112	104	104	104	97	97	97	90	90	90	87			87
1	108	104	100	97	104	100	97	94	94	91	89	88	86	84	82	81	79	76			76
2	99	92	87	82	96	89	84	80	84	80	76	79	76	73	74	72	69	67			67
3	92	83	76	70	88	80	74	69	76	70	66	71	67	63	67	64	61	58			58
4	85	75	67	61	82	72	65	60	68	63	58	65	60	56	61	57	54	52			52
5	79	68	60	54	76	66	58	53	62	56	51	59	54	50	56	52	48	46			46
6	73	61	54	48	71	60	53	47	57	51	46	54	49	44	51	47	43	41			41
7	68	56	48	43	66	55	48	42	52	46	41	50	44	40	47	43	39	37			37
8	64	52	44	39	62	50	43	38	48	42	37	46	40	36	44	39	35	34			34
9	60	48	40	35	58	47	40	35	45	38	34	43	37	33	41	36	32	31			31
10	56	44	37	32	54	43	36	32	41	35	31	40	34	30	38	33	30	28			28

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	3.5
10°-20°	1407.6	12.5
20°-30°	2074.1	18.4
30°-40°	2179.6	19.4
40°-50°	1667.8	14.8
50°-60°	1007.1	9.0
60°-70°	614.5	5.5
70°-80°	335.4	3.0
80°-90°	121.4	1.1
90°-100°	138.4	1.2
100°-110°	480.7	4.3
110°-120°	413.0	3.7
120°-130°	198.3	1.8
130°-140°	99.1	0.9
140°-150°	57.5	0.5
150°-160°	33.6	0.3
160°-170°	17.4	0.2
170°-180°	5.3	0.0
0°-30°	3880.5	34.5
0°-40°	6060.1	53.9
0°-60°	8735.0	77.6
0°-90°	9806.3	87.2
90°-120°	1032.0	9.2
90°-150°	1386.9	12.3
90°-180°	1443.0	12.8
0°-180°	11249.5	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°	3	20	28	36	40	5
95°	31	66	104	135	154	97
105°	599	593	506	356	329	568
115°	415	420	419	414	413	418
125°	202	212	217	217	215	190
135°	120	122	126	128	128	95
145°	87	89	91	92	92	55
155°	70	71	72	73	73	33
165°	60	61	61	61	61	17
175°	54	54	55	55	55	5
180°	54	54	54	54	54	



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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°	3.2	20.2	27.5	36.4	40.4
92.5°	10.5	26.7	44.5	61.4	67.9
95°	30.7	66.3	104.3	135.0	154.4
97.5°	157.6	172.2	192.4	228.0	240.9
100°	325.0	341.1	286.2	299.9	304.7
102.5°	508.4	507.6	367.0	331.4	326.6
105°	599.0	593.3	506.0	356.5	329.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	486.6	489.8	480.2	467.2	447.0
115°	414.7	419.5	418.7	413.9	413.1
117.5°	353.2	355.7	357.3	355.7	356.5
120°	295.0	300.7	303.9	301.5	299.9
122.5°	246.5	253.8	257.9	255.4	253.8
125°	202.1	211.8	217.4	216.6	215.0
127.5°	171.4	178.6	185.9	185.1	183.5
130°	148.7	154.4	159.2	160.0	160.9
132.5°	133.4	135.8	140.6	141.5	143.1
135°	119.6	122.1	126.1	127.7	128.5
137.5°	109.1	111.6	114.8	116.4	117.2
140°	100.2	102.7	105.1	106.7	107.5
142.5°	93.0	95.4	97.8	98.6	99.4
145°	87.3	88.9	91.3	92.2	92.2
147.5°	81.6	83.3	84.9	86.5	86.5
150°	76.8	78.4	80.0	80.8	81.6
152.5°	73.6	74.4	76.0	76.8	76.8
155°	69.5	71.1	71.9	72.8	72.8
157.5°	67.1	67.9	68.7	69.5	69.5
160°	64.7	64.7	65.5	66.3	66.3
162.5°	62.2	62.2	63.0	63.9	63.9
165°	59.8	60.6	60.6	61.4	61.4
167.5°	58.2	58.2	59.0	59.0	59.8
170°	56.6	56.6	57.4	57.4	57.4
172.5°	55.0	55.8	55.8	55.8	55.8
175°	54.2	54.2	55.0	55.0	55.0
177.5°	53.4	54.2	54.2	54.2	54.2
180°	54.2	54.2	54.2	54.2	54.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	604.6	604.6	557.8	433.3	362.9
110°	553.7	560.2	535.9	487.4	431.6



(END OF REPORT)