

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: P827752

Luminaire Tested: **OHBL-24SE-MFL-UNV-L930-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827752
REPORT IS A COMBINATION OF REPORTS P826247 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-24SE-MFL-UNV-L930-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

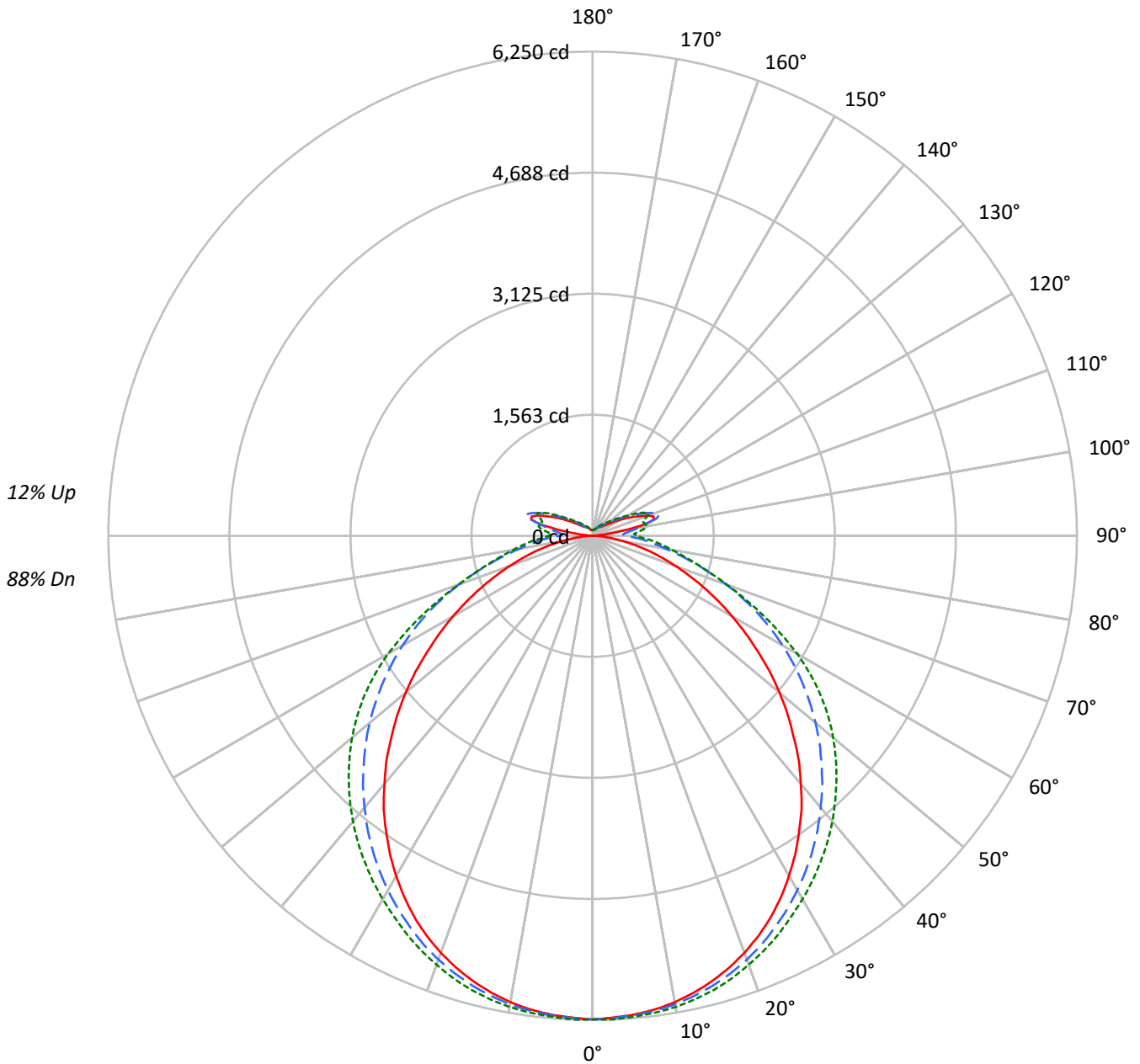
Lumens per Lamp: N/A
Luminaire Lumens: 20641.8 lumens
Efficiency: N/A
Efficacy: 132.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 155.4
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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	91	91	91	88																			
1	105	100	96	92	101	97	93	89	90	87	84	84	82	80	79	77	75	72																			
2	96	87	80	75	92	84	78	73	79	74	69	74	70	66	69	66	63	60																			
3	87	77	68	62	84	74	67	61	69	63	58	65	60	55	61	57	53	50																			
4	80	68	59	52	77	66	58	51	62	55	49	58	52	47	54	49	45	43																			
5	73	61	52	45	70	59	50	44	55	48	43	52	46	41	49	44	39	37																			
6	68	54	46	39	65	53	45	39	50	43	37	47	41	36	44	39	35	32																			
7	63	49	41	35	60	48	40	34	45	38	33	43	36	32	40	35	31	29																			
8	58	45	36	31	56	44	36	30	41	34	29	39	33	28	37	32	28	26																			
9	54	41	33	28	52	40	32	27	38	31	26	36	30	26	34	29	25	23																			
10	51	38	30	25	49	37	30	25	35	28	24	33	27	23	32	26	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10664	10664	10664
5°	10544	10558	10640
10°	10419	10460	10629
15°	10252	10344	10601
20°	10046	10203	10540
25°	9789	10028	10479
30°	9453	9839	10421
35°	9057	9638	10381
40°	8593	9406	10349
45°	8056	9154	10297
50°	7473	8899	10230
55°	6772	8587	10072
60°	6055	8221	9675
65°	5278	7754	8960
70°	4441	7160	8195
75°	3591	6473	7793
80°	2561	5962	8164
85°	1425	6142	10234



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	591.6	2.9
10°-20°	1697.2	8.2
20°-30°	2566.7	12.4
30°-40°	3081.4	14.9
40°-50°	3182.6	15.4
50°-60°	2863.3	13.9
60°-70°	2156.9	10.4
70°-80°	1302.4	6.3
80°-90°	641.9	3.1
90°-100°	455.5	2.2
100°-110°	803.7	3.9
110°-120°	648.0	3.1
120°-130°	318.6	1.5
130°-140°	160.7	0.8
140°-150°	90.7	0.4
150°-160°	50.1	0.2
160°-170°	23.5	0.1
170°-180°	7.1	0.0
0°-30°	4855.5	23.5
0°-40°	7936.9	38.5
0°-60°	13982.8	67.7
0°-90°	18084.0	87.6
90°-120°	1907.2	9.2
90°-150°	2477.1	12.0
90°-180°	2558.0	12.4
0°-180°	20641.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6243	6243	6243	6243	6243	
5°	6204	6220	6213	6237	6230	589
15°	5953	5982	6010	6060	6066	1678
25°	5437	5496	5574	5661	5675	2501
35°	4648	4757	4952	5102	5132	2906
45°	3669	3854	4176	4404	4451	2832
55°	2599	2868	3304	3553	3595	2330
65°	1586	1910	2338	2454	2426	1576
75°	747	1073	1354	1389	1375	797
85°	156	411	678	772	785	180
90°	4	188	426	539	565	13
95°	50	198	429	554	592	140
105°	821	864	850	706	675	780
115°	572	600	669	702	704	577
125°	285	305	356	383	385	267
135°	172	179	203	227	235	136
145°	132	134	138	151	157	84
155°	109	112	112	112	113	49
165°	81	82	82	82	82	23
175°	73	74	74	74	74	7
180°	73	73	73	73	73	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6243.4	6243.4	6243.4	6243.4	6243.4
2.5°	6225.1	6240.3	6231.2	6251.0	6249.5
5°	6203.6	6220.4	6212.8	6237.3	6229.7
7.5°	6167.0	6185.4	6183.8	6211.3	6208.2
10°	6113.5	6133.4	6139.5	6176.2	6176.2
12.5°	6040.2	6066.1	6081.4	6125.7	6127.2
15°	5953.1	5982.1	6009.6	6060.1	6066.1
17.5°	5847.6	5884.3	5922.5	5980.6	5988.2
20°	5728.5	5769.7	5821.7	5882.8	5891.9
22.5°	5590.9	5639.8	5707.1	5778.9	5789.6
25°	5436.6	5496.2	5574.1	5661.2	5675.0
27.5°	5260.9	5329.7	5435.1	5532.9	5545.1
30°	5069.9	5150.9	5282.3	5398.5	5418.3
32.5°	4868.2	4961.4	5123.4	5253.3	5280.8
35°	4648.2	4756.6	4952.3	5102.0	5132.5
37.5°	4431.2	4550.4	4771.9	4943.0	4979.7
40°	4177.5	4325.8	4579.4	4768.8	4813.2
42.5°	3939.2	4099.6	4386.9	4593.2	4636.0
45°	3668.7	3853.6	4176.0	4403.7	4451.1
47.5°	3415.0	3615.3	3972.8	4208.1	4257.0
50°	3147.6	3367.7	3755.8	4001.8	4052.3
52.5°	2880.3	3117.1	3531.2	3786.4	3833.8
55°	2599.1	2868.0	3303.5	3552.6	3595.4
57.5°	2337.9	2622.1	3069.7	3306.6	3332.6
60°	2079.6	2374.5	2831.3	3039.2	3048.4
62.5°	1827.5	2137.6	2586.9	2751.9	2739.7
65°	1586.0	1910.0	2337.9	2453.9	2426.5
67.5°	1353.8	1688.4	2082.7	2157.5	2120.8
70°	1133.8	1473.0	1835.2	1873.3	1839.7
72.5°	939.7	1268.3	1584.5	1616.6	1592.2
75°	747.2	1072.7	1353.8	1389.0	1375.2
77.5°	566.9	883.2	1141.4	1187.3	1190.3
80°	408.0	710.5	956.5	1028.4	1037.5
82.5°	268.9	551.6	802.2	893.9	907.6
85°	155.8	411.0	678.4	771.6	785.4
87.5°	67.3	296.4	545.5	629.5	646.3
90°	4.0	187.9	426.1	539.1	564.6
92.5°	18.3	169.3	391.3	507.2	534.6
95°	50.5	198.2	429.4	554.1	592.1
97.5°	226.6	326.9	505.1	628.8	669.2
100°	455.3	553.1	600.8	686.8	706.3
102.5°	698.6	755.8	690.6	695.3	699.6
105°	821.4	864.5	850.3	705.8	675.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	665.3	704.1	766.1	787.2	767.4
115°	571.6	600.2	668.9	702.4	703.7
117.5°	492.3	509.9	574.2	607.1	612.5
120°	409.8	430.9	493.2	519.8	521.1
122.5°	346.0	363.3	418.6	446.0	445.7
125°	285.4	304.6	356.1	382.7	384.9
127.5°	241.9	255.4	303.3	331.6	335.4
130°	211.9	219.9	261.7	288.4	293.8
132.5°	189.3	198.0	228.2	255.8	261.2
135°	172.3	178.6	202.6	227.2	234.9
137.5°	158.6	164.1	181.1	205.0	211.1
140°	148.0	152.8	164.5	184.4	191.3
142.5°	139.0	142.3	148.6	167.0	171.6
145°	132.5	134.2	138.1	151.2	156.6
147.5°	125.2	128.4	130.1	137.8	142.3
150°	119.6	122.7	123.6	125.9	131.4
152.5°	113.9	117.0	117.9	117.2	120.3
155°	109.0	112.2	112.3	111.6	113.1
157.5°	89.7	91.3	93.0	93.8	93.8
160°	86.5	87.3	88.9	89.7	89.7
162.5°	83.3	84.1	84.9	85.7	85.7
165°	80.8	81.6	82.4	82.4	82.4
167.5°	78.4	78.4	79.2	80.0	80.0
170°	76.0	76.8	76.8	77.6	77.6
172.5°	74.4	75.2	75.2	75.2	76.0
175°	72.8	73.6	73.6	74.4	74.4
177.5°	72.8	72.8	72.8	72.8	72.8
180°	72.8	72.8	72.8	72.8	72.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	824.7	872.3	902.4	784.9	693.9
110°	761.6	807.1	853.3	833.8	762.2



(END OF REPORT)