

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: P828262

Luminaire Tested: **OHBL-12SE-N-UNV-L940-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828262
REPORT IS A COMBINATION OF REPORTS P826152 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-N-UNV-L940-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

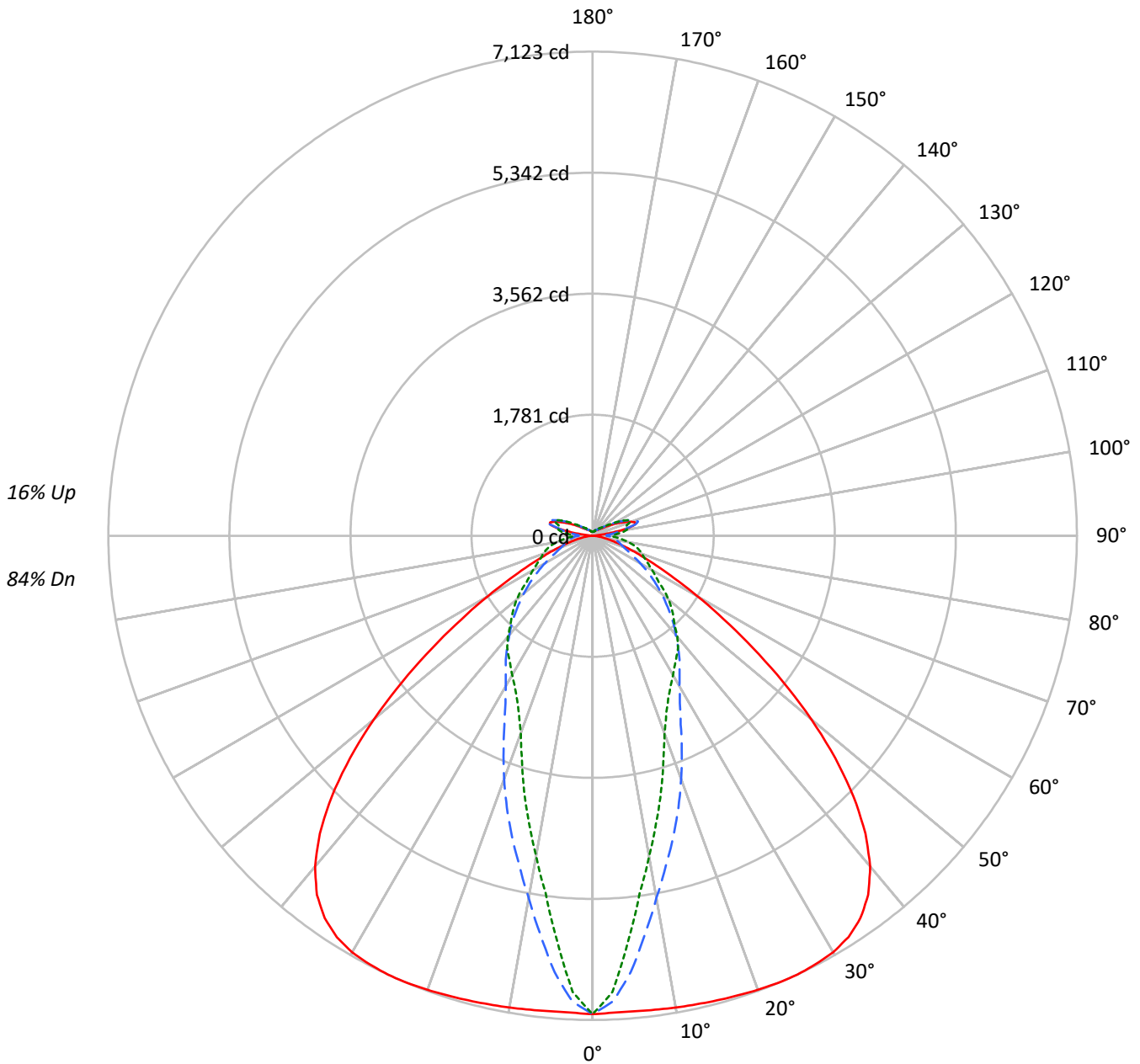
Lumens per Lamp: N/A
Luminaire Lumens: 11941.7 lumens
Efficiency: N/A
Efficacy: 145.1 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')
CIE Type: Semi-Direct

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									
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	115	115	115	115	111	111	111	111	102	102	102	95	95	95	87	87	87	84																			
1	106	101	98	94	102	98	94	91	91	88	85	84	82	80	78	76	75	72																			
2	97	90	84	79	93	87	81	76	81	76	72	75	71	68	70	67	65	62																			
3	90	80	73	67	86	77	71	65	72	67	62	68	63	59	63	59	56	54																			
4	83	72	64	58	79	70	62	57	65	59	54	61	56	52	57	53	50	47																			
5	77	65	57	51	74	63	56	50	59	53	48	56	50	46	52	48	44	42																			
6	71	59	51	45	68	57	50	44	54	48	43	51	46	41	48	43	40	38																			
7	66	54	46	41	64	53	45	40	50	43	39	47	41	37	44	40	36	34																			
8	62	50	42	37	60	48	41	36	46	40	35	44	38	34	41	36	33	31																			
9	58	46	39	33	56	45	38	33	43	36	32	40	35	31	38	34	30	28																			
10	55	43	35	31	53	42	35	30	40	34	29	38	32	29	36	31	28	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22893	22893	22893
5°	22558	20733	19478
10°	22527	17368	15695
15°	22676	14772	12946
20°	23010	12420	10525
25°	23483	10220	9272
30°	23946	8750	8663
35°	24066	7921	8306
40°	23252	7103	7935
45°	20983	6366	7404
50°	17315	5573	7014
55°	12817	4828	6311
60°	8699	4085	6125
65°	5618	3461	6105
70°	3634	3177	6563
75°	2332	3177	7272
80°	1417	3355	7960
85°	653	3858	9491



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	592.3	5.0
10°-20°	1393.5	11.7
20°-30°	1746.7	14.6
30°-40°	1853.4	15.5
40°-50°	1675.8	14.0
50°-60°	1215.1	10.2
60°-70°	762.5	6.4
70°-80°	504.6	4.2
80°-90°	294.6	2.5
90°-100°	289.7	2.4
100°-110°	614.2	5.1
110°-120°	504.2	4.2
120°-130°	242.4	2.0
130°-140°	119.9	1.0
140°-150°	69.2	0.6
150°-160°	39.3	0.3
160°-170°	18.7	0.2
170°-180°	5.7	0.0
0°-30°	3732.5	31.3
0°-40°	5585.9	46.8
0°-60°	8476.8	71.0
0°-90°	10038.5	84.1
90°-120°	1408.1	11.8
90°-150°	1839.5	15.4
90°-180°	1903.0	15.9
0°-180°	11941.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7037	7037	7037	7037	7037	
5°	7023	6842	6441	6142	5987	671
15°	7076	5768	4581	4074	3889	2007
25°	7123	4460	3067	2722	2636	3291
35°	6868	2965	2226	2156	2156	4269
45°	5429	1878	1613	1652	1680	4136
55°	2874	1164	1053	1142	1183	2597
65°	1028	675	610	781	868	1070
75°	317	364	409	636	674	354
85°	56	151	299	417	382	67
90°	4	85	203	284	290	6
95°	36	116	265	353	383	106
105°	650	668	656	531	505	617
115°	453	472	525	539	540	457
125°	225	238	272	281	279	211
135°	135	139	152	164	164	107
145°	102	104	108	114	114	64
155°	83	87	88	90	88	38
165°	64	65	65	66	66	18
175°	58	58	59	59	59	6
180°	58	58	58	58	58	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7036.8	7036.8	7036.8	7036.8	7036.8
2.5°	7022.0	6981.8	6856.6	6780.3	6715.9
5°	7022.7	6842.5	6440.7	6142.0	5987.3
7.5°	7032.8	6632.2	5908.2	5472.3	5302.1
10°	7048.2	6371.7	5411.3	4946.5	4787.9
12.5°	7059.5	6078.4	4974.0	4496.5	4322.4
15°	7076.2	5767.6	4580.8	4073.9	3889.0
17.5°	7091.6	5475.0	4192.5	3662.7	3457.1
20°	7107.1	5159.5	3804.0	3258.2	3088.8
22.5°	7121.8	4826.6	3424.9	2944.1	2828.2
25°	7123.1	4459.6	3067.3	2722.4	2636.0
27.5°	7105.7	4079.3	2777.4	2536.9	2483.3
30°	7075.6	3710.3	2552.3	2403.0	2364.8
32.5°	7000.6	3333.9	2378.2	2273.7	2251.6
35°	6868.0	2964.8	2226.1	2156.5	2155.8
37.5°	6659.0	2637.4	2061.4	2049.4	2064.1
40°	6350.2	2350.7	1905.4	1937.5	1937.5
42.5°	5938.4	2101.6	1764.0	1796.9	1788.2
45°	5429.4	1877.9	1613.3	1652.2	1680.3
47.5°	4839.4	1681.0	1459.3	1534.3	1573.2
50°	4197.8	1493.4	1318.7	1414.4	1458.7
52.5°	3525.4	1320.0	1181.4	1291.2	1326.7
55°	2874.5	1164.0	1052.8	1141.8	1182.7
57.5°	2285.1	1015.3	926.9	1011.3	1095.7
60°	1778.1	887.4	808.3	928.9	1013.3
62.5°	1358.2	773.5	697.2	851.9	936.3
65°	1028.0	675.0	609.5	780.9	868.0
67.5°	774.8	590.0	541.1	729.3	814.4
70°	582.0	507.7	486.2	697.2	773.5
72.5°	429.9	431.9	442.7	669.0	727.3
75°	317.4	363.7	409.2	635.6	673.7
77.5°	227.0	301.3	379.1	595.4	608.8
80°	157.4	245.8	347.6	542.4	531.1
82.5°	98.4	196.9	319.4	484.2	452.7
85°	55.6	150.7	299.3	416.6	382.4
87.5°	24.8	112.5	261.9	324.8	303.3
90°	3.5	84.7	203.0	283.6	290.0
92.5°	12.6	80.9	207.9	289.8	303.4
95°	35.7	115.5	264.8	352.8	383.1
97.5°	172.9	224.1	350.2	438.0	460.0
100°	353.5	401.8	439.7	500.0	511.9
102.5°	551.6	578.2	515.9	517.8	518.0
105°	649.6	667.6	655.5	530.8	505.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	530.1	549.7	600.2	608.4	590.0
115°	453.4	472.0	525.4	538.9	540.1
117.5°	387.9	400.6	449.9	464.9	466.5
120°	325.3	339.5	383.2	394.6	392.9
122.5°	273.2	286.4	324.2	333.0	330.6
125°	225.4	238.5	272.0	281.3	278.8
127.5°	191.7	200.8	230.8	239.3	236.8
130°	167.4	174.8	196.1	206.3	207.2
132.5°	150.2	154.1	171.4	181.6	183.4
135°	135.4	139.3	152.4	163.5	164.3
137.5°	124.1	128.7	137.5	148.0	148.8
140°	114.5	118.4	125.1	134.9	135.7
142.5°	107.4	110.6	115.9	123.5	124.3
145°	101.9	104.3	108.3	114.5	113.8
147.5°	95.8	98.9	101.4	106.4	105.7
150°	90.6	94.4	96.2	99.0	99.2
152.5°	87.1	90.1	91.8	94.0	93.3
155°	82.8	86.6	88.1	89.6	88.3
157.5°	72.2	73.0	73.9	74.8	74.8
160°	69.6	69.6	70.4	71.3	71.3
162.5°	66.9	66.9	67.8	68.7	68.7
165°	64.3	65.2	65.2	66.1	66.1
167.5°	62.6	62.6	63.5	63.5	64.3
170°	60.9	60.9	61.7	61.7	61.7
172.5°	59.1	60.0	60.0	60.0	60.0
175°	58.3	58.3	59.1	59.1	59.1
177.5°	57.4	58.3	58.3	58.3	58.3
180°	58.3	58.3	58.3	58.3	58.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	655.7	677.8	701.7	597.9	527.0
110°	601.6	627.3	669.6	642.2	586.9



(END OF REPORT)