

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: P828324

Luminaire Tested: **OHBL-18SE-W-UNV-L940-CD-UPL12**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828324
REPORT IS A COMBINATION OF REPORTS P826070 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-18SE-W-UNV-L940-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

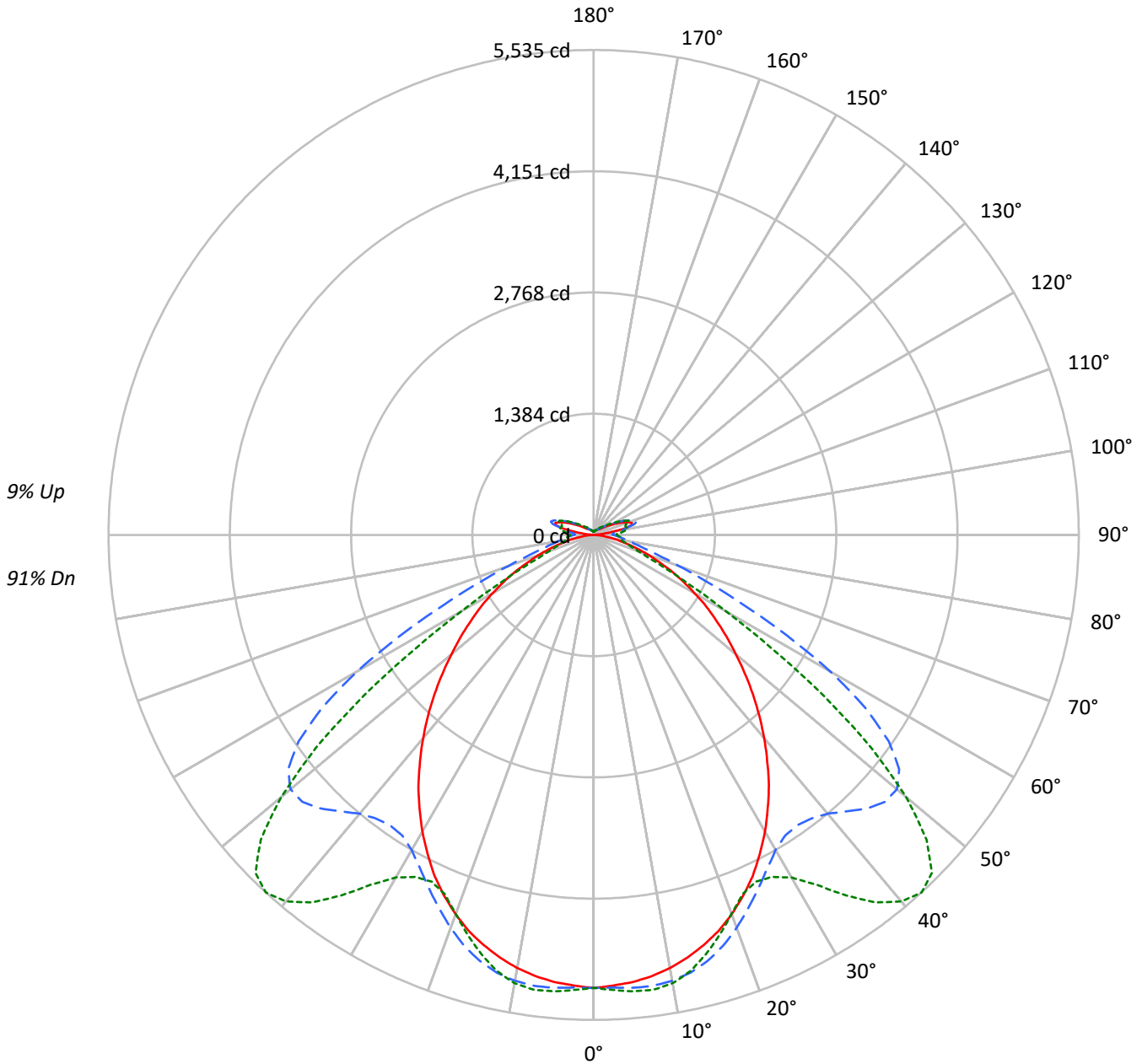
Lumens per Lamp: N/A
Luminaire Lumens: 16563.2 lumens
Efficiency: N/A
Efficacy: 146.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 113.4
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

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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	100	100	100	94	94	94	91																			
1	107	103	99	95	104	100	96	93	94	91	88	88	86	84	84	82	80	77																			
2	98	90	83	78	94	87	81	76	82	77	73	78	74	70	74	70	68	65																			
3	89	79	71	65	86	77	70	64	73	67	62	69	64	59	65	61	57	55																			
4	82	70	61	55	79	68	60	54	64	58	52	61	55	51	58	53	49	47																			
5	75	62	54	47	72	61	53	46	58	51	45	55	49	44	52	47	43	40																			
6	69	56	47	41	67	55	46	40	52	45	39	49	43	38	47	42	37	35																			
7	64	50	42	36	62	49	41	35	47	40	35	45	38	34	43	37	33	31																			
8	59	46	37	32	57	45	37	31	43	36	31	41	35	30	39	34	29	27																			
9	55	42	34	28	53	41	33	28	39	32	27	38	31	27	36	30	26	24																			
10	52	39	31	26	50	38	30	25	36	29	25	35	29	24	33	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8831	8831	8831
5°	8706	8818	8931
10°	8555	8805	8942
15°	8346	8659	8655
20°	8077	8361	8231
25°	7733	8001	8066
30°	7290	7733	8680
35°	6793	7876	10157
40°	6225	8530	11742
45°	5636	9676	12622
50°	5027	10699	11746
55°	4453	10685	8975
60°	3871	9040	5487
65°	3263	6241	3324
70°	2587	4034	2400
75°	1898	2891	2225
80°	1281	2538	2510
85°	764	2787	3968



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	494.1	3.0
10°-20°	1399.1	8.4
20°-30°	2047.3	12.4
30°-40°	2658.8	16.1
40°-50°	3246.8	19.6
50°-60°	2859.3	17.3
60°-70°	1490.0	9.0
70°-80°	639.0	3.9
80°-90°	309.6	1.9
90°-100°	247.6	1.5
100°-110°	449.5	2.7
110°-120°	362.1	2.2
120°-130°	176.9	1.1
130°-140°	88.6	0.5
140°-150°	50.1	0.3
150°-160°	27.6	0.2
160°-170°	13.1	0.1
170°-180°	4.0	0.0
0°-30°	3940.4	23.8
0°-40°	6599.2	39.8
0°-60°	12705.3	76.7
0°-90°	15143.8	91.4
90°-120°	1059.2	6.4
90°-150°	1374.7	8.3
90°-180°	1419.0	8.6
0°-180°	16563.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5170	5170	5170	5170	5170	
5°	5122	5161	5189	5235	5229	486
15°	4847	4983	5031	4993	4953	1365
25°	4294	4524	4447	4364	4368	1971
35°	3486	3854	4047	4720	5022	2173
45°	2567	3229	4414	5344	5456	1979
55°	1709	2829	4110	3604	3204	1534
65°	980	1960	1882	1046	900	970
75°	395	917	605	414	393	431
85°	84	327	308	301	304	93
90°	4	134	224	259	268	8
95°	24	120	236	290	312	73
105°	454	483	484	395	375	430
115°	320	335	379	390	388	320
125°	161	170	200	210	212	149
135°	95	98	113	126	127	76
145°	74	74	76	83	86	47
155°	61	62	61	62	62	27
165°	45	45	46	46	46	13
175°	41	41	41	41	41	4
180°	40	40	40	40	40	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5170.2	5170.2	5170.2	5170.2	5170.2
2.5°	5147.9	5170.2	5171.3	5202.6	5199.2
5°	5122.2	5161.3	5189.2	5234.9	5229.3
7.5°	5079.8	5141.2	5190.2	5240.5	5236.0
10°	5019.6	5103.3	5168.0	5209.2	5195.9
12.5°	4941.5	5052.0	5115.6	5124.4	5098.8
15°	4846.7	4982.8	5030.8	4992.9	4952.7
17.5°	4739.6	4899.1	4915.8	4833.3	4783.2
20°	4605.8	4787.6	4770.8	4657.1	4601.3
22.5°	4457.4	4664.9	4611.4	4492.0	4438.4
25°	4294.5	4524.3	4447.4	4363.7	4368.2
27.5°	4103.8	4364.8	4290.1	4328.0	4399.4
30°	3909.7	4197.5	4151.8	4372.6	4513.2
32.5°	3696.6	4025.7	4067.0	4503.1	4732.9
35°	3485.9	3853.9	4046.9	4719.5	5021.8
37.5°	3252.7	3679.9	4079.3	4969.4	5286.2
40°	3026.3	3510.4	4152.9	5193.6	5461.3
42.5°	2795.4	3358.7	4276.7	5326.4	5535.0
45°	2566.7	3229.3	4413.9	5344.2	5455.8
47.5°	2338.0	3120.0	4508.7	5202.6	5151.2
50°	2117.2	3022.9	4515.4	4862.3	4652.6
52.5°	1910.8	2933.7	4392.7	4320.2	3994.5
55°	1708.9	2828.8	4110.5	3604.1	3203.6
57.5°	1524.8	2683.8	3675.5	2834.4	2397.1
60°	1329.6	2487.5	3113.3	2073.6	1729.0
62.5°	1150.0	2243.2	2483.0	1443.5	1242.6
65°	980.5	1959.9	1881.8	1046.3	900.2
67.5°	800.9	1666.6	1388.8	762.9	669.3
70°	660.3	1394.3	1034.0	593.4	538.8
72.5°	516.4	1135.6	773.0	481.8	451.8
75°	394.9	916.9	604.6	413.9	392.6
77.5°	291.2	725.0	486.4	365.9	345.8
80°	204.1	571.1	407.2	326.8	319.0
82.5°	137.2	441.8	346.9	311.2	312.3
85°	83.6	326.8	307.9	301.2	304.5
87.5°	40.2	232.1	264.4	274.4	277.8
90°	3.7	133.9	223.9	259.0	268.0
92.5°	7.8	110.3	211.5	254.4	264.3
95°	24.0	119.5	236.5	290.5	311.7
97.5°	119.6	184.7	289.4	344.4	356.5
100°	243.3	307.3	344.1	381.6	389.3
102.5°	385.0	419.9	390.7	389.3	387.1
105°	453.9	483.3	483.9	394.7	375.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	370.1	392.8	437.1	438.7	426.2
115°	319.7	335.3	378.6	390.5	387.5
117.5°	270.4	286.1	325.5	336.3	335.7
120°	227.8	241.9	276.0	285.9	287.0
122.5°	193.0	202.9	235.6	245.3	247.3
125°	160.8	170.2	200.5	210.0	211.9
127.5°	134.5	140.8	171.5	181.7	182.8
130°	118.0	121.5	145.9	157.9	160.2
132.5°	105.8	108.4	127.5	139.5	142.7
135°	95.4	98.0	112.6	125.7	126.9
137.5°	88.4	90.2	100.6	112.6	115.7
140°	81.5	84.1	90.2	102.3	103.4
142.5°	77.4	78.0	83.0	92.9	94.9
145°	74.2	73.6	75.6	83.2	86.2
147.5°	69.8	70.4	72.2	76.6	78.6
150°	67.2	68.1	66.7	69.8	72.0
152.5°	63.7	64.6	63.2	64.1	66.3
155°	61.1	62.0	60.6	61.5	61.5
157.5°	49.6	51.3	51.3	52.2	52.2
160°	47.8	48.7	49.6	49.6	49.6
162.5°	46.1	47.0	47.0	47.8	47.8
165°	45.2	45.2	46.1	46.1	46.1
167.5°	43.5	43.5	44.3	44.3	44.3
170°	42.6	42.6	42.6	43.5	43.5
172.5°	41.7	41.7	41.7	41.7	41.7
175°	40.9	40.9	40.9	40.9	40.9
177.5°	40.0	40.9	40.9	40.9	40.9
180°	40.0	40.0	40.0	40.0	40.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	457.7	488.5	511.9	437.0	383.5
110°	419.4	450.0	483.3	465.6	423.4



(END OF REPORT)