

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: P828326

Luminaire Tested: **OHBL-18SE-W-UNV-L940-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828326
REPORT IS A COMBINATION OF REPORTS P826238 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-18SE-W-UNV-L940-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

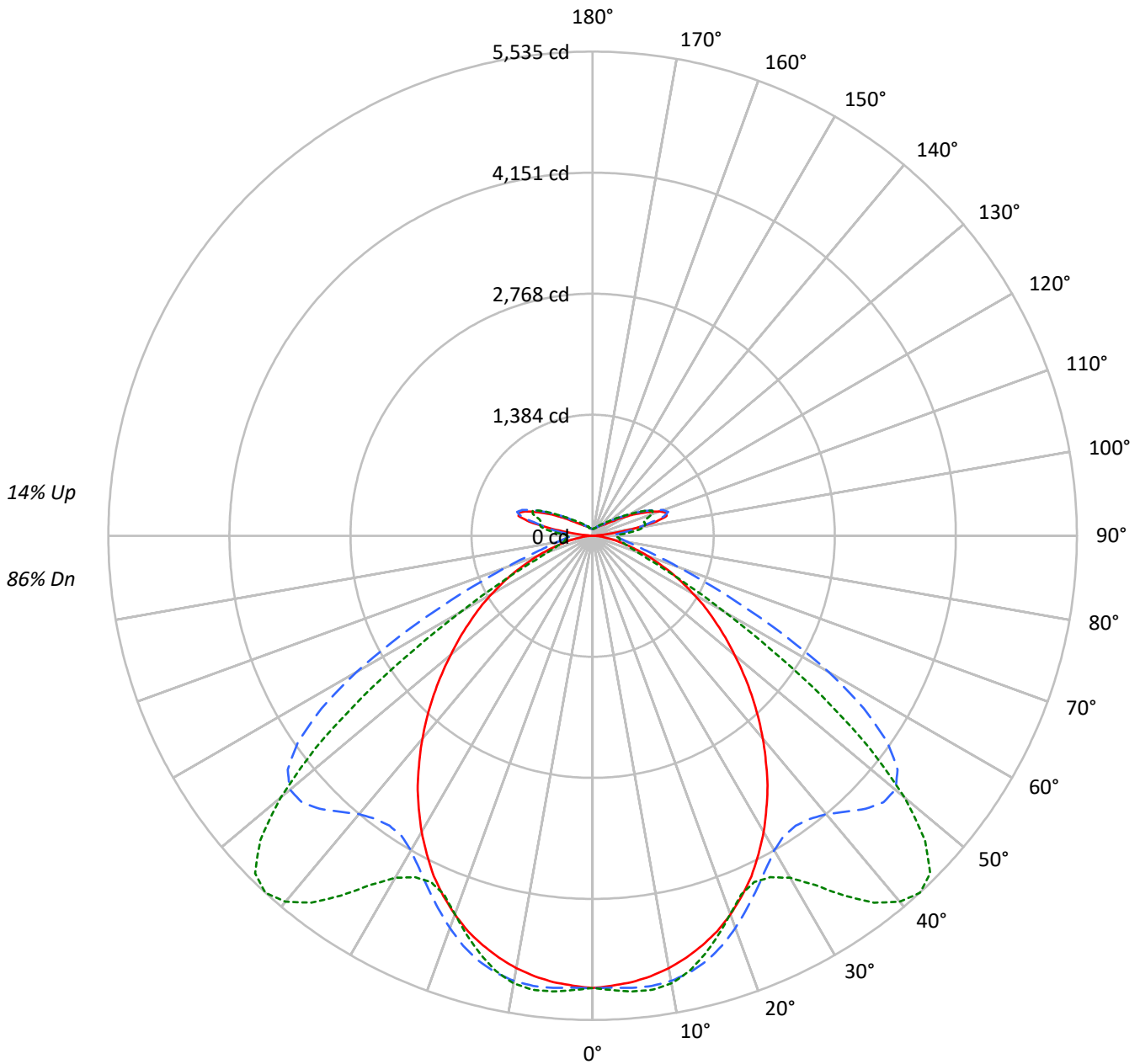
Lumens per Lamp: N/A
Luminaire Lumens: 17584.8 lumens
Efficiency: N/A
Efficacy: 143.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 122.4
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	116	116	116	116	111	111	111	111	103	103	103	96	96	96	89	89	89	86																			
1	106	102	97	94	102	98	94	91	91	88	86	85	83	81	79	77	76	73																			
2	97	89	82	77	93	86	80	75	80	75	71	75	71	67	70	67	64	61																			
3	88	78	70	64	85	76	68	63	71	65	60	66	61	57	62	58	54	52																			
4	81	69	61	54	77	67	59	53	63	56	51	59	53	49	55	50	47	44																			
5	74	62	53	46	71	60	52	46	56	49	44	53	47	42	49	44	40	38																			
6	68	55	46	40	65	54	45	40	50	43	38	47	41	37	45	39	35	33																			
7	63	50	41	35	61	48	40	35	46	39	33	43	37	32	41	35	31	29																			
8	59	45	37	31	56	44	36	31	42	35	30	39	33	29	37	32	28	26																			
9	55	41	33	28	52	40	33	27	38	31	27	36	30	26	34	29	25	23																			
10	51	38	30	25	49	37	30	25	35	29	24	33	27	23	32	26	23	21																			

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	2.8
10°-20°	1399.1	8.0
20°-30°	2047.3	11.6
30°-40°	2658.8	15.1
40°-50°	3246.8	18.5
50°-60°	2859.3	16.3
60°-70°	1490.0	8.5
70°-80°	639.0	3.6
80°-90°	312.2	1.8
90°-100°	345.7	2.0
100°-110°	789.4	4.5
110°-120°	653.3	3.7
120°-130°	316.8	1.8
130°-140°	158.6	0.9
140°-150°	90.5	0.5
150°-160°	51.1	0.3
160°-170°	25.2	0.1
170°-180°	7.7	0.0
0°-30°	3940.4	22.4
0°-40°	6599.2	37.5
0°-60°	12705.3	72.3
0°-90°	15146.5	86.1
90°-120°	1788.5	10.2
90°-150°	2354.3	13.4
90°-180°	2438.0	13.9
0°-180°	17584.8	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°	6	148	244	286	298	9
95°	48	166	311	388	420	145
105°	876	902	839	649	608	832
115°	608	630	672	685	682	614
125°	302	321	354	364	362	282
135°	181	184	201	215	218	143
145°	135	136	140	148	151	85
155°	110	112	111	112	112	50
165°	87	88	89	89	89	25
175°	78	79	79	80	80	8
180°	78	78	78	78	78	



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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°	5.5	147.8	243.9	286.0	297.6
92.5°	14.8	129.5	241.1	296.1	313.0
95°	48.3	165.6	311.3	387.9	419.5
97.5°	236.1	309.9	417.2	503.5	535.6
100°	483.2	558.6	540.6	592.0	603.1
102.5°	744.9	780.8	653.3	622.3	617.5
105°	876.5	901.5	838.7	648.6	608.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	709.2	739.7	772.7	768.2	742.7
115°	608.4	630.1	672.4	685.2	682.3
117.5°	522.5	535.7	575.9	588.4	590.4
120°	433.9	452.3	492.5	501.5	497.4
122.5°	365.2	381.2	416.5	427.0	422.9
125°	301.7	320.7	353.5	363.9	362.3
127.5°	255.4	267.8	301.0	313.0	313.3
130°	223.2	230.1	258.9	270.9	274.0
132.5°	198.8	204.9	226.7	241.3	242.7
135°	180.6	184.1	201.3	215.3	218.1
137.5°	165.8	168.4	181.5	195.2	197.5
140°	152.8	156.2	165.0	178.0	179.9
142.5°	142.6	144.9	151.7	162.4	163.5
145°	135.0	136.2	140.0	147.5	150.6
147.5°	127.2	129.5	131.3	137.5	138.6
150°	121.1	122.9	123.2	126.3	129.4
152.5°	115.0	116.8	117.1	118.0	120.2
155°	109.8	111.5	111.0	111.9	111.9
157.5°	96.5	98.2	100.0	100.9	100.9
160°	93.0	93.9	95.6	96.5	96.5
162.5°	89.6	90.4	91.3	92.2	92.2
165°	86.9	87.8	88.7	88.7	88.7
167.5°	84.3	84.3	85.2	86.1	86.1
170°	81.7	82.6	82.6	83.5	83.5
172.5°	80.0	80.9	80.9	80.9	81.7
175°	78.2	79.1	79.1	80.0	80.0
177.5°	78.2	78.2	78.2	78.2	78.2
180°	78.2	78.2	78.2	78.2	78.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	881.1	913.6	904.9	746.5	642.6
110°	813.3	845.6	858.9	809.9	726.9



(END OF REPORT)