

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: P827726

Luminaire Tested: **OHBL-18SE-W-UNV-L930-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827726
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-L930-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

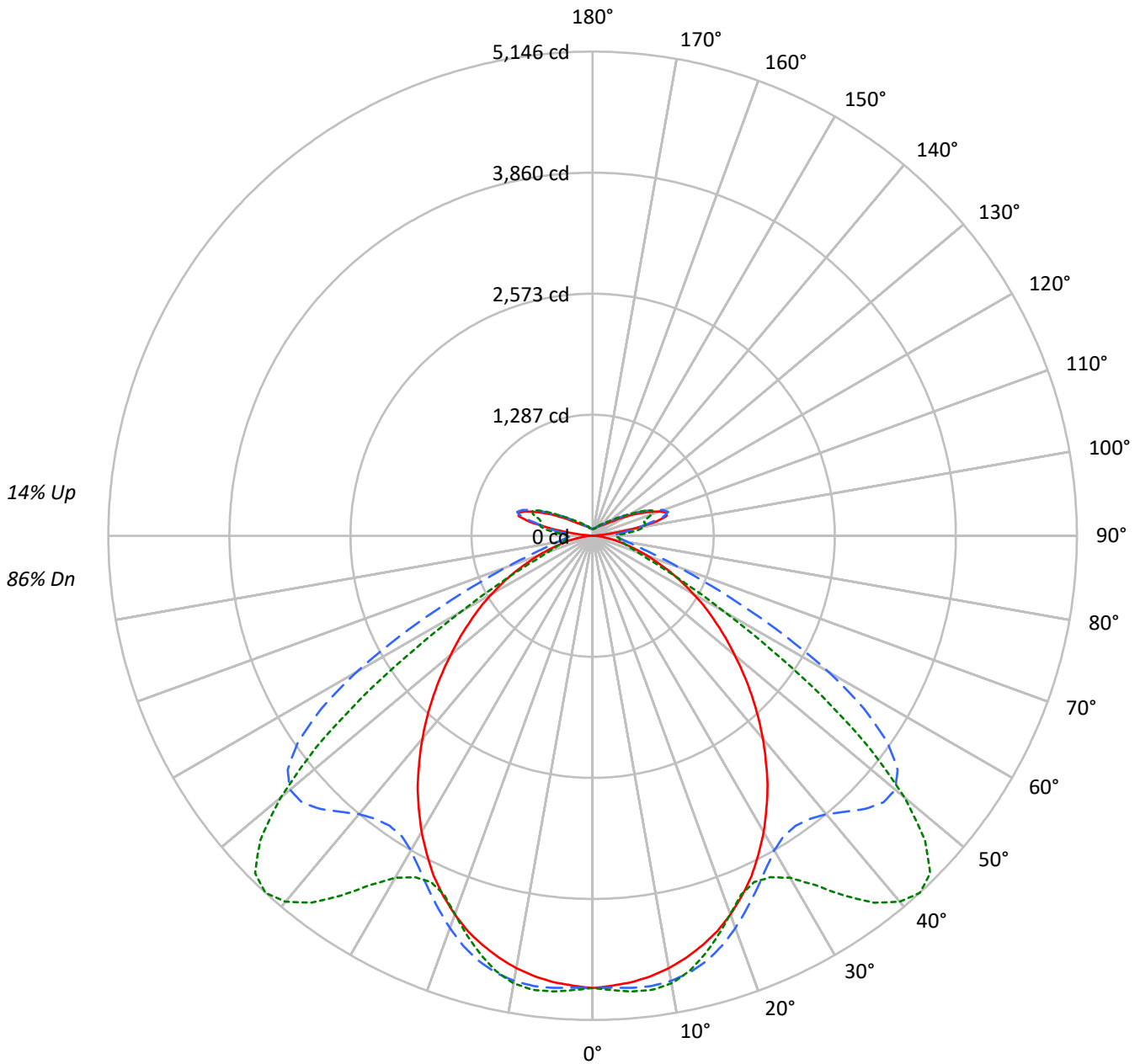
Lumens per Lamp: N/A
Luminaire Lumens: 16348.8 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

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°	8210	8210	8210
5°	8094	8199	8303
10°	7954	8186	8313
15°	7760	8051	8047
20°	7510	7774	7653
25°	7189	7439	7499
30°	6777	7190	8070
35°	6315	7323	9443
40°	5788	7930	10917
45°	5240	8996	11735
50°	4673	9947	10920
55°	4140	9934	8344
60°	3599	8404	5102
65°	3034	5803	3090
70°	2405	3751	2231
75°	1764	2687	2068
80°	1191	2359	2334
85°	711	2591	3689



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	459.3	2.8
10°-20°	1300.7	8.0
20°-30°	1903.4	11.6
30°-40°	2471.9	15.1
40°-50°	3018.6	18.5
50°-60°	2658.3	16.3
60°-70°	1385.3	8.5
70°-80°	594.1	3.6
80°-90°	290.3	1.8
90°-100°	321.4	2.0
100°-110°	733.9	4.5
110°-120°	607.4	3.7
120°-130°	294.5	1.8
130°-140°	147.4	0.9
140°-150°	84.1	0.5
150°-160°	47.5	0.3
160°-170°	23.5	0.1
170°-180°	7.1	0.0
0°-30°	3663.5	22.4
0°-40°	6135.4	37.5
0°-60°	11812.3	72.3
0°-90°	14081.9	86.1
90°-120°	1662.7	10.2
90°-150°	2188.8	13.4
90°-180°	2267.0	13.9
0°-180°	16348.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4807	4807	4807	4807	4807	
5°	4762	4798	4824	4867	4862	452
15°	4506	4633	4677	4642	4605	1269
25°	3993	4206	4135	4057	4061	1832
35°	3241	3583	3762	4388	4669	2020
45°	2386	3002	4104	4969	5072	1840
55°	1589	2630	3822	3351	2978	1426
65°	912	1822	1750	973	837	902
75°	367	852	562	385	365	400
85°	78	304	286	280	283	87
90°	5	137	227	266	277	8
95°	45	154	289	361	390	135
105°	815	838	780	603	565	774
115°	566	586	625	637	634	571
125°	280	298	329	338	337	263
135°	168	171	187	200	203	133
145°	126	127	130	137	140	79
155°	102	104	103	104	104	46
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°	4806.8	4806.8	4806.8	4806.8	4806.8
2.5°	4786.1	4806.8	4807.8	4836.9	4833.8
5°	4762.2	4798.5	4824.5	4867.0	4861.7
7.5°	4722.8	4779.8	4825.4	4872.1	4867.9
10°	4666.8	4744.6	4804.7	4843.0	4830.7
12.5°	4594.2	4696.9	4756.0	4764.2	4740.4
15°	4506.1	4632.6	4677.2	4641.9	4604.6
17.5°	4406.5	4554.8	4570.3	4493.6	4447.0
20°	4282.1	4451.1	4435.5	4329.8	4277.9
22.5°	4144.1	4337.0	4287.2	4176.3	4126.5
25°	3992.7	4206.3	4134.8	4057.0	4061.1
27.5°	3815.3	4058.0	3988.6	4023.8	4090.2
30°	3634.9	3902.5	3860.0	4065.3	4196.0
32.5°	3436.8	3742.7	3781.1	4186.6	4400.2
35°	3240.9	3583.0	3762.5	4387.8	4668.9
37.5°	3024.1	3421.3	3792.5	4620.1	4914.7
40°	2813.6	3263.6	3861.0	4828.6	5077.5
42.5°	2598.9	3122.6	3976.1	4952.0	5145.9
45°	2386.3	3002.3	4103.7	4968.6	5072.3
47.5°	2173.7	2900.7	4191.8	4836.9	4789.1
50°	1968.4	2810.4	4198.0	4520.5	4325.6
52.5°	1776.5	2727.5	4083.9	4016.5	3713.7
55°	1588.8	2630.0	3821.6	3350.8	2978.5
57.5°	1417.7	2495.2	3417.1	2635.2	2228.7
60°	1236.2	2312.6	2894.5	1927.9	1607.5
62.5°	1069.2	2085.5	2308.5	1342.0	1155.3
65°	911.6	1822.1	1749.6	972.7	836.9
67.5°	744.6	1549.4	1291.2	709.3	622.3
70°	613.9	1296.3	961.4	551.7	500.9
72.5°	480.2	1055.8	718.7	448.0	420.0
75°	367.1	852.5	562.1	384.8	365.0
77.5°	270.7	674.1	452.2	340.1	321.5
80°	189.8	531.0	378.5	303.9	296.6
82.5°	127.6	410.7	322.5	289.3	290.4
85°	77.8	303.9	286.2	280.0	283.1
87.5°	37.3	215.7	245.8	255.1	258.3
90°	5.1	137.4	226.7	265.9	276.7
92.5°	13.7	120.4	224.2	275.3	291.0
95°	44.9	154.0	289.4	360.6	390.0
97.5°	219.5	288.1	387.8	468.1	497.9
100°	449.3	519.4	502.6	550.4	560.7
102.5°	692.6	725.9	607.4	578.5	574.1
105°	814.9	838.2	779.7	603.0	565.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	659.4	687.7	718.4	714.2	690.5
115°	565.6	585.8	625.2	637.0	634.3
117.5°	485.8	498.0	535.4	547.1	548.9
120°	403.4	420.5	457.9	466.2	462.4
122.5°	339.5	354.4	387.2	397.0	393.2
125°	280.5	298.1	328.7	338.3	336.8
127.5°	237.4	249.0	279.8	291.0	291.2
130°	207.5	214.0	240.7	251.9	254.8
132.5°	184.9	190.5	210.7	224.3	225.6
135°	167.9	171.1	187.1	200.1	202.8
137.5°	154.1	156.6	168.7	181.5	183.6
140°	142.0	145.3	153.4	165.5	167.2
142.5°	132.6	134.7	141.1	151.0	152.0
145°	125.5	126.7	130.1	137.2	140.0
147.5°	118.3	120.4	122.1	127.8	128.8
150°	112.6	114.2	114.5	117.5	120.3
152.5°	106.9	108.6	108.9	109.7	111.8
155°	102.1	103.7	103.2	104.0	104.0
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°	819.2	849.4	841.3	694.0	597.4
110°	756.1	786.2	798.6	753.0	675.8



(END OF REPORT)