

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: P828012

Luminaire Tested: **OHBL-18SE-MCL-UNV-L935-CD-UPL12**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828012
REPORT IS A COMBINATION OF REPORTS P826066 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-MCL-UNV-L935-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

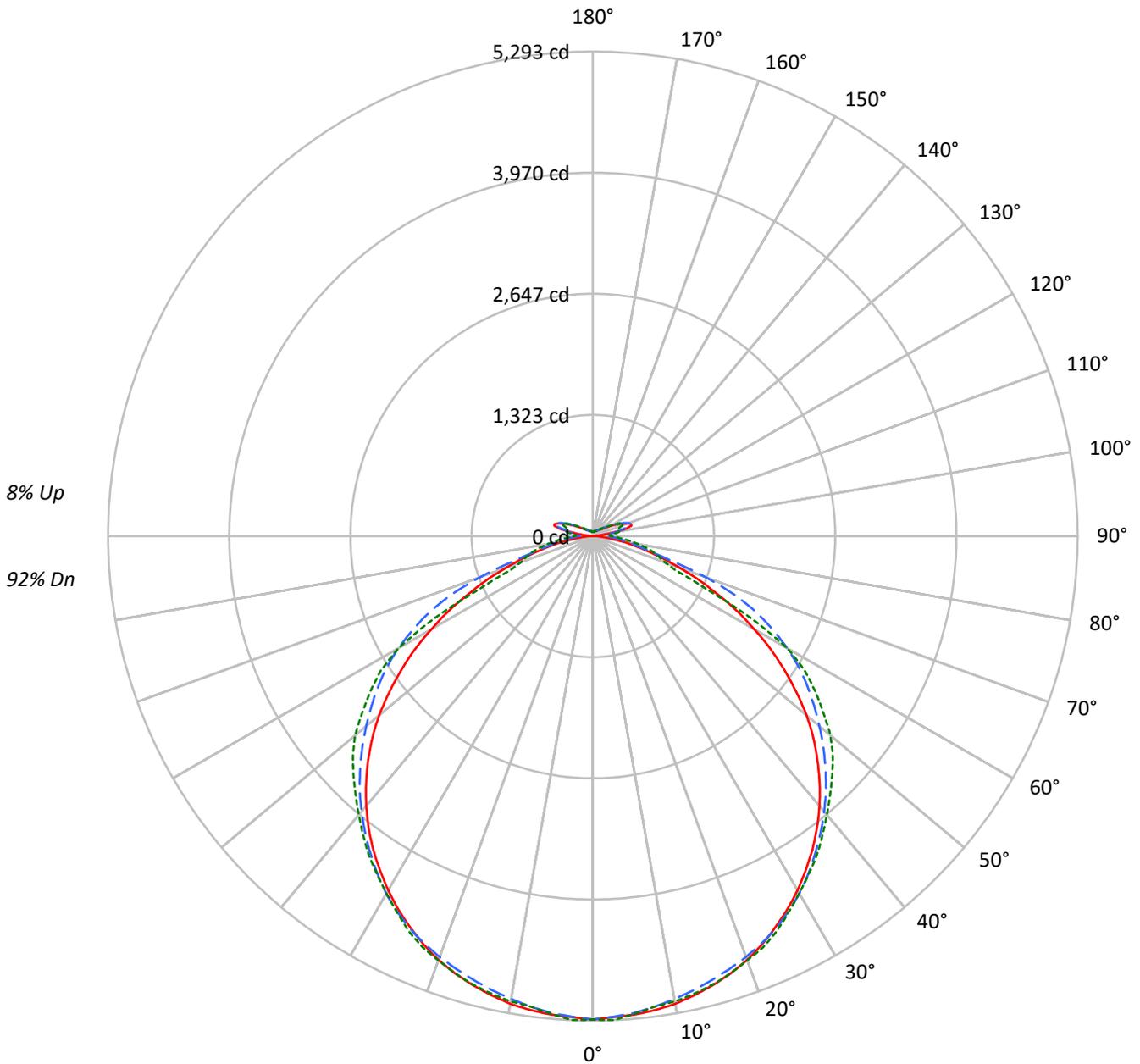
Lumens per Lamp: N/A
Luminaire Lumens: 15967.0 lumens
Efficiency: N/A
Efficacy: 140.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

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	114	114	114	114	107	107	107	101	101	101	95	95	95	92																			
1	107	103	99	95	104	100	96	93	94	91	88	89	87	84	84	82	81	78																			
2	98	90	83	78	95	87	81	76	83	78	73	78	74	71	74	71	68	65																			
3	89	79	71	65	86	77	70	64	73	67	62	69	64	60	66	61	58	55																			
4	82	70	62	55	79	68	60	54	65	58	53	62	56	51	59	54	50	47																			
5	75	63	54	47	73	61	53	47	58	51	45	55	49	44	53	47	43	41																			
6	69	56	47	41	67	55	47	41	52	45	40	50	44	39	48	42	38	36																			
7	64	51	42	36	62	50	42	36	48	40	35	46	39	34	44	38	34	32																			
8	60	46	38	32	58	45	37	32	43	36	31	42	35	31	40	34	30	28																			
9	56	43	34	29	54	42	34	29	40	33	28	38	32	28	37	31	27	25																			
10	52	39	31	26	51	38	31	26	37	30	26	36	29	25	34	29	25	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9021	9021	9021
5°	8919	8886	8947
10°	8843	8748	8885
15°	8743	8643	8864
20°	8643	8576	8824
25°	8493	8508	8788
30°	8332	8403	8665
35°	8147	8239	8620
40°	7918	8069	8545
45°	7619	7874	8548
50°	7231	7651	8549
55°	6653	7431	8310
60°	5917	7111	7776
65°	4986	6525	5005
70°	3919	5083	3708
75°	2833	3009	3886
80°	1855	2490	3918
85°	929	2261	4120



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	498.0	3.1
10°-20°	1428.1	8.9
20°-30°	2181.2	13.7
30°-40°	2646.6	16.6
40°-50°	2773.9	17.4
50°-60°	2513.5	15.7
60°-70°	1685.2	10.6
70°-80°	756.7	4.7
80°-90°	277.2	1.7
90°-100°	181.8	1.1
100°-110°	383.9	2.4
110°-120°	315.8	2.0
120°-130°	152.8	1.0
130°-140°	78.5	0.5
140°-150°	46.3	0.3
150°-160°	27.8	0.2
160°-170°	14.9	0.1
170°-180°	4.6	0.0
0°-30°	4107.4	25.7
0°-40°	6754.0	42.3
0°-60°	12041.4	75.4
0°-90°	14760.6	92.4
90°-120°	881.6	5.5
90°-150°	1159.1	7.3
90°-180°	1206.0	7.6
0°-180°	15967.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5282	5282	5282	5282	5282	
5°	5248	5266	5229	5245	5238	499
15°	5077	5057	5022	5066	5072	1434
25°	4717	4696	4729	4773	4759	2174
35°	4181	4191	4233	4278	4262	2613
45°	3470	3526	3592	3684	3695	2673
55°	2553	2676	2859	2973	2966	2279
65°	1498	1733	1967	1660	1356	1493
75°	590	855	629	644	686	644
85°	102	195	250	302	316	124
90°	3	80	149	188	199	8
95°	22	89	160	204	222	69
105°	434	443	407	310	292	411
115°	306	309	323	327	323	306
125°	152	159	170	170	172	142
135°	92	95	99	104	105	73
145°	69	72	73	74	76	44
155°	58	59	60	61	60	27
165°	52	52	53	53	53	15
175°	48	48	47	46	46	5
180°	46	46	46	46	46	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5281.9	5281.9	5281.9	5281.9	5281.9
2.5°	5260.6	5282.8	5255.2	5285.0	5292.7
5°	5247.6	5265.9	5229.3	5245.3	5238.4
7.5°	5223.9	5230.0	5186.5	5199.5	5185.8
10°	5188.8	5185.8	5134.6	5159.8	5162.8
12.5°	5136.8	5127.7	5081.8	5120.0	5120.8
15°	5077.2	5057.4	5021.5	5065.8	5071.9
17.5°	5008.5	4982.6	4958.9	5016.2	5007.0
20°	4928.3	4897.8	4893.2	4955.8	4932.9
22.5°	4829.1	4805.4	4816.1	4875.7	4861.2
25°	4716.8	4696.2	4729.0	4772.6	4758.8
27.5°	4598.4	4586.2	4623.6	4657.2	4630.5
30°	4468.6	4461.7	4511.3	4538.8	4505.2
32.5°	4327.2	4329.6	4376.9	4414.3	4383.1
35°	4180.7	4190.6	4233.3	4278.4	4261.6
37.5°	4019.5	4041.7	4084.4	4135.6	4118.0
40°	3849.2	3881.2	3928.6	3990.5	3974.4
42.5°	3665.2	3705.6	3766.8	3835.4	3833.9
45°	3469.6	3526.2	3591.8	3683.5	3694.9
47.5°	3266.5	3329.8	3413.1	3535.3	3552.8
50°	3045.8	3125.2	3229.1	3375.7	3386.4
52.5°	2799.8	2908.2	3045.8	3186.2	3173.3
55°	2553.2	2676.1	2858.7	2973.2	2966.3
57.5°	2307.2	2445.5	2666.9	2748.7	2747.9
60°	2032.2	2207.2	2449.2	2511.2	2450.1
62.5°	1778.0	1965.8	2217.1	2172.1	1962.8
65°	1498.4	1732.9	1967.3	1660.3	1355.6
67.5°	1250.2	1494.6	1671.0	1137.2	973.8
70°	1000.5	1270.1	1302.9	843.9	832.5
72.5°	779.0	1066.2	898.9	722.5	759.2
75°	589.6	855.4	629.3	643.8	685.8
77.5°	430.0	656.8	489.6	564.4	598.8
80°	295.6	465.1	399.4	474.3	497.9
82.5°	185.6	307.0	320.0	381.8	406.3
85°	101.6	194.8	249.8	301.7	316.2
87.5°	42.0	117.6	190.9	232.9	245.2
90°	3.2	79.9	149.1	187.8	198.8
92.5°	8.2	68.8	137.1	175.6	185.1
95°	21.6	88.8	160.3	204.3	222.4
97.5°	114.0	154.6	212.4	252.7	264.1
100°	232.2	274.3	267.7	289.8	296.3
102.5°	368.9	382.2	315.2	301.0	299.1
105°	433.9	443.4	406.8	310.2	291.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	353.7	361.5	374.3	367.8	355.2
115°	306.1	309.2	323.0	326.6	323.1
117.5°	257.8	262.7	276.6	278.7	278.5
120°	216.9	222.7	234.3	234.8	235.6
122.5°	183.6	187.8	198.7	200.0	201.6
125°	152.0	158.6	169.6	170.2	171.8
127.5°	128.6	133.6	145.6	147.0	147.8
130°	112.8	116.8	124.8	128.8	128.8
132.5°	101.8	105.2	110.8	114.7	115.5
135°	91.8	95.2	99.2	103.9	104.7
137.5°	86.0	87.7	90.2	94.8	96.4
140°	79.3	81.8	82.7	86.6	87.3
142.5°	73.5	76.0	76.8	80.0	81.6
145°	69.3	71.8	72.7	74.2	75.8
147.5°	66.0	67.7	69.3	69.3	70.9
150°	63.5	64.3	65.2	66.0	66.0
152.5°	60.2	61.0	61.8	62.7	62.7
155°	57.7	59.2	60.1	60.9	60.2
157.5°	55.2	57.6	57.6	58.4	58.4
160°	53.5	55.1	55.9	55.9	55.9
162.5°	52.6	53.4	53.4	54.2	54.2
165°	51.8	51.8	52.6	52.6	52.6
167.5°	50.1	50.8	50.9	50.9	50.9
170°	49.2	49.2	49.2	49.3	49.3
172.5°	48.4	48.4	48.4	47.7	47.7
175°	47.6	47.6	46.8	46.0	46.0
177.5°	47.5	47.6	46.8	46.0	45.2
180°	46.0	46.0	46.0	46.0	46.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	437.2	449.5	438.2	355.9	304.1
110°	401.2	414.8	415.5	388.2	347.2



(END OF REPORT)