

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: P828020

Luminaire Tested: **OHBL-18SE-N-UNV-L935-CD-UPL24**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P828020
REPORT IS A COMBINATION OF REPORTS P826236 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-N-UNV-L935-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

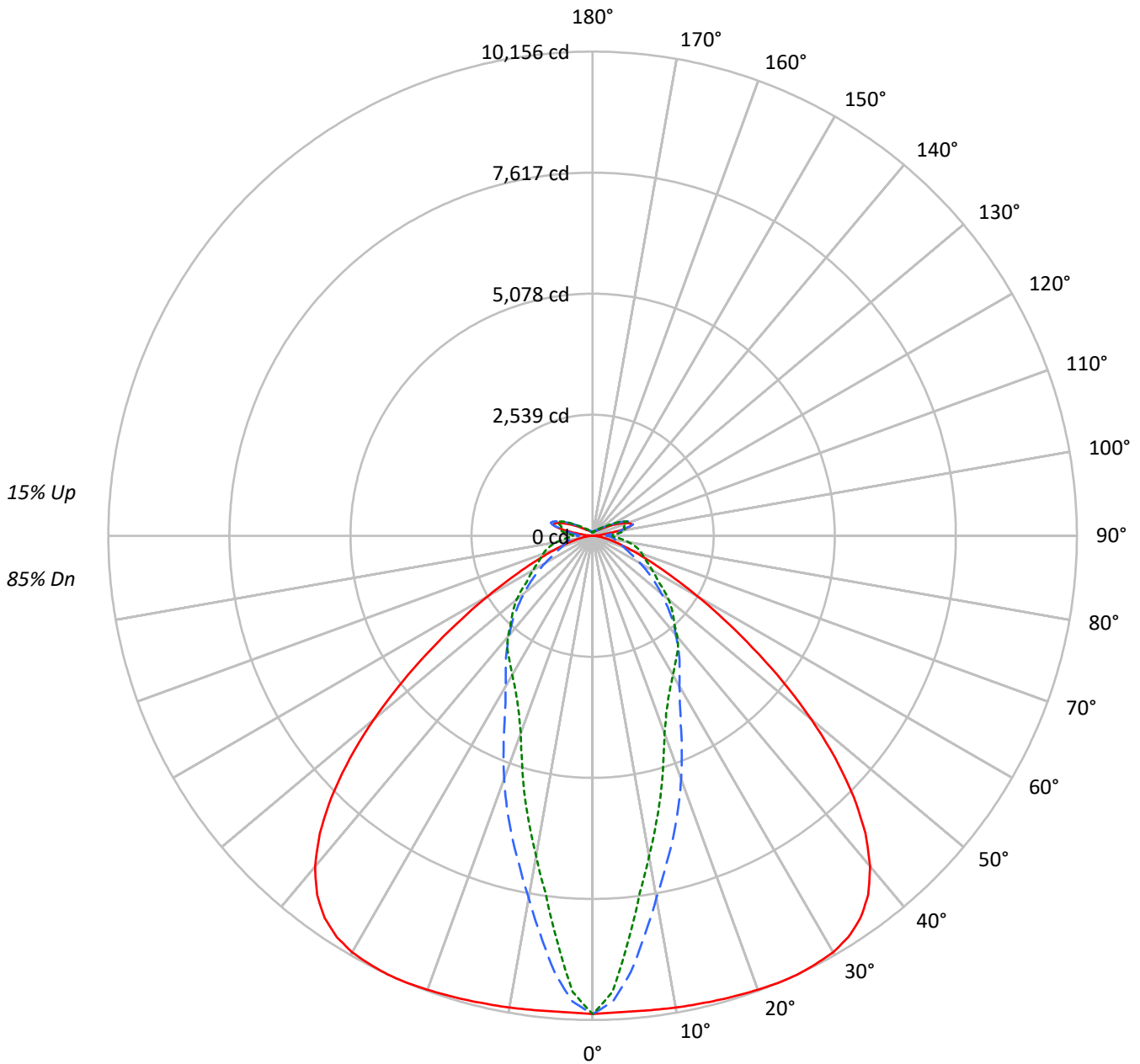
Lumens per Lamp: N/A
Luminaire Lumens: 16823.6 lumens
Efficiency: N/A
Efficacy: 137.4 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 122.4
Input Voltage (V): NR
Input Current (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	103	103	103	95	95	95	88	88	88	85																			
1	106	102	98	94	102	98	94	91	91	88	86	85	83	80	79	77	76	73																			
2	98	90	84	79	94	87	81	77	81	77	73	76	72	69	71	68	65	62																			
3	90	80	73	67	86	78	71	66	73	67	63	68	64	60	64	60	57	54																			
4	83	72	64	58	80	70	63	57	66	60	55	62	57	52	58	54	50	48																			
5	77	65	57	51	74	63	56	50	60	53	48	56	51	47	53	48	45	42																			
6	71	59	51	45	69	58	50	45	54	48	43	51	46	42	49	44	40	38																			
7	67	54	46	41	64	53	45	40	50	44	39	47	42	38	45	40	36	34																			
8	62	50	42	37	60	49	41	36	46	40	35	44	38	34	42	37	33	31																			
9	59	46	39	34	56	45	38	33	43	37	32	41	35	31	39	34	30	29																			
10	55	43	36	31	53	42	35	30	40	34	30	38	33	29	36	32	28	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17135	17135	17135
5°	17017	15604	14579
10°	17125	13144	11747
15°	17374	11241	9690
20°	17770	9505	7878
25°	18286	7868	6940
30°	18809	6778	6484
35°	19080	6177	6217
40°	18623	5580	5939
45°	16998	5042	5542
50°	14209	4455	5250
55°	10678	3902	4724
60°	7381	3346	4585
65°	4877	2882	4569
70°	3251	2705	4912
75°	2175	2789	5444
80°	1408	3089	5958
85°	724	3864	7104



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	844.5	5.0
10°-20°	1986.7	11.8
20°-30°	2490.3	14.8
30°-40°	2642.4	15.7
40°-50°	2389.2	14.2
50°-60°	1732.3	10.3
60°-70°	1087.1	6.5
70°-80°	719.4	4.3
80°-90°	419.6	2.5
90°-100°	394.0	2.3
100°-110°	809.4	4.8
110°-120°	660.9	3.9
120°-130°	317.4	1.9
130°-140°	157.2	0.9
140°-150°	90.5	0.5
150°-160°	51.2	0.3
160°-170°	24.2	0.1
170°-180°	7.4	0.0
0°-30°	5321.4	31.6
0°-40°	7963.9	47.3
0°-60°	12085.4	71.8
0°-90°	14311.5	85.1
90°-120°	1864.3	11.1
90°-150°	2429.3	14.4
90°-180°	2512.0	14.9
0°-180°	16823.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10032	10032	10032	10032	10032	
5°	10012	9755	9182	8757	8536	957
15°	10089	8223	6531	5808	5545	2861
25°	10156	6358	4373	3881	3758	4692
35°	9792	4227	3174	3074	3074	6087
45°	7741	2677	2300	2356	2396	5897
55°	4098	1660	1501	1628	1686	3703
65°	1466	962	869	1113	1237	1525
75°	453	518	583	906	961	505
85°	79	215	427	594	545	95
90°	4	118	286	400	409	8
95°	48	156	361	486	524	141
105°	844	869	862	711	676	801
115°	587	612	689	714	712	592
125°	293	312	357	370	367	274
135°	176	181	200	215	216	139
145°	132	137	141	150	149	84
155°	108	113	115	117	115	49
165°	83	84	85	85	85	24
175°	75	76	76	77	77	7
180°	75	75	75	75	75	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10032.3	10032.3	10032.3	10032.3	10032.3
2.5°	10011.3	9954.0	9775.5	9666.6	9574.9
5°	10012.3	9755.4	9182.5	8756.7	8536.1
7.5°	10026.6	9455.6	8423.4	7801.8	7559.3
10°	10048.5	9084.2	7714.9	7052.3	6826.0
12.5°	10064.8	8665.9	7091.4	6410.7	6162.4
15°	10088.7	8222.9	6531.0	5808.2	5544.7
17.5°	10110.6	7805.7	5977.2	5221.9	4928.8
20°	10132.6	7355.9	5423.4	4645.2	4403.7
22.5°	10153.6	6881.4	4882.9	4197.4	4032.2
25°	10155.5	6358.2	4373.1	3881.3	3758.2
27.5°	10130.7	5815.8	3959.7	3616.8	3540.5
30°	10087.7	5289.8	3638.8	3425.9	3371.5
32.5°	9980.8	4753.1	3390.6	3241.6	3210.1
35°	9791.7	4227.0	3173.8	3074.5	3073.6
37.5°	9493.8	3760.1	2938.9	2921.8	2942.8
40°	9053.6	3351.4	2716.5	2762.3	2762.3
42.5°	8466.4	2996.2	2515.0	2561.8	2549.3
45°	7740.8	2677.3	2300.2	2355.6	2395.7
47.5°	6899.5	2396.6	2080.6	2187.5	2242.8
50°	5984.8	2129.2	1880.1	2016.6	2079.6
52.5°	5026.2	1881.9	1684.3	1840.9	1891.5
55°	4098.1	1659.5	1501.0	1628.0	1686.2
57.5°	3257.8	1447.5	1321.5	1441.8	1562.1
60°	2535.1	1265.2	1152.5	1324.3	1444.7
62.5°	1936.4	1102.8	994.0	1214.5	1334.8
65°	1465.7	962.5	868.9	1113.3	1237.4
67.5°	1104.8	841.2	771.5	1039.8	1161.1
70°	829.8	723.8	693.2	994.0	1102.8
72.5°	613.0	615.8	631.2	953.8	1036.9
75°	452.6	518.5	583.4	906.2	960.6
77.5°	323.7	429.7	540.4	848.8	867.9
80°	224.4	350.4	495.6	773.4	757.2
82.5°	140.3	280.8	455.4	690.3	645.5
85°	79.2	214.8	426.8	593.9	545.2
87.5°	35.3	160.4	373.3	463.1	432.5
90°	4.2	118.1	286.5	400.2	408.8
92.5°	16.1	112.0	288.2	403.9	424.3
95°	48.0	155.5	361.0	486.0	524.3
97.5°	228.9	297.9	465.2	590.8	629.8
100°	465.8	538.0	582.3	669.7	686.8
102.5°	717.5	752.5	687.8	691.8	692.8
105°	843.5	868.7	861.8	710.9	675.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	682.9	715.8	789.3	801.7	779.8
115°	587.2	612.1	689.4	714.5	712.3
117.5°	504.8	519.9	591.1	614.1	615.9
120°	419.8	440.4	505.2	521.1	516.1
122.5°	353.9	371.6	424.3	438.9	432.9
125°	293.1	311.9	356.9	370.4	367.0
127.5°	248.8	261.6	301.4	315.6	313.8
130°	218.0	226.6	257.8	272.0	272.8
132.5°	193.8	201.4	224.5	241.2	240.3
135°	176.2	181.4	199.7	214.8	216.4
137.5°	162.1	167.4	180.1	195.0	195.0
140°	149.6	154.8	164.7	177.8	178.7
142.5°	139.7	143.9	151.1	162.3	162.3
145°	132.2	136.6	141.0	149.5	149.3
147.5°	124.8	130.0	132.7	139.1	138.2
150°	118.9	123.5	126.0	129.7	129.6
152.5°	113.1	117.7	120.2	122.9	121.9
155°	108.1	112.7	115.3	117.1	115.2
157.5°	92.5	94.2	95.8	96.7	96.7
160°	89.2	90.0	91.7	92.5	92.5
162.5°	85.8	86.7	87.5	88.3	88.3
165°	83.3	84.2	85.0	85.0	85.0
167.5°	80.8	80.8	81.7	82.5	82.5
170°	78.3	79.2	79.2	80.0	80.0
172.5°	76.7	77.5	77.5	77.5	78.3
175°	75.0	75.8	75.8	76.7	76.7
177.5°	75.0	75.0	75.0	75.0	75.0
180°	75.0	75.0	75.0	75.0	75.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	846.8	881.7	922.7	795.6	700.6
110°	782.8	817.0	876.9	848.1	773.1



(END OF REPORT)