

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: P827722

Luminaire Tested: **OHBL-18SE-NL-UNV-L930-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827722
REPORT IS A COMBINATION OF REPORTS P826165 AND G3-2310-221-8
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-18SE-NL-UNV-L930-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

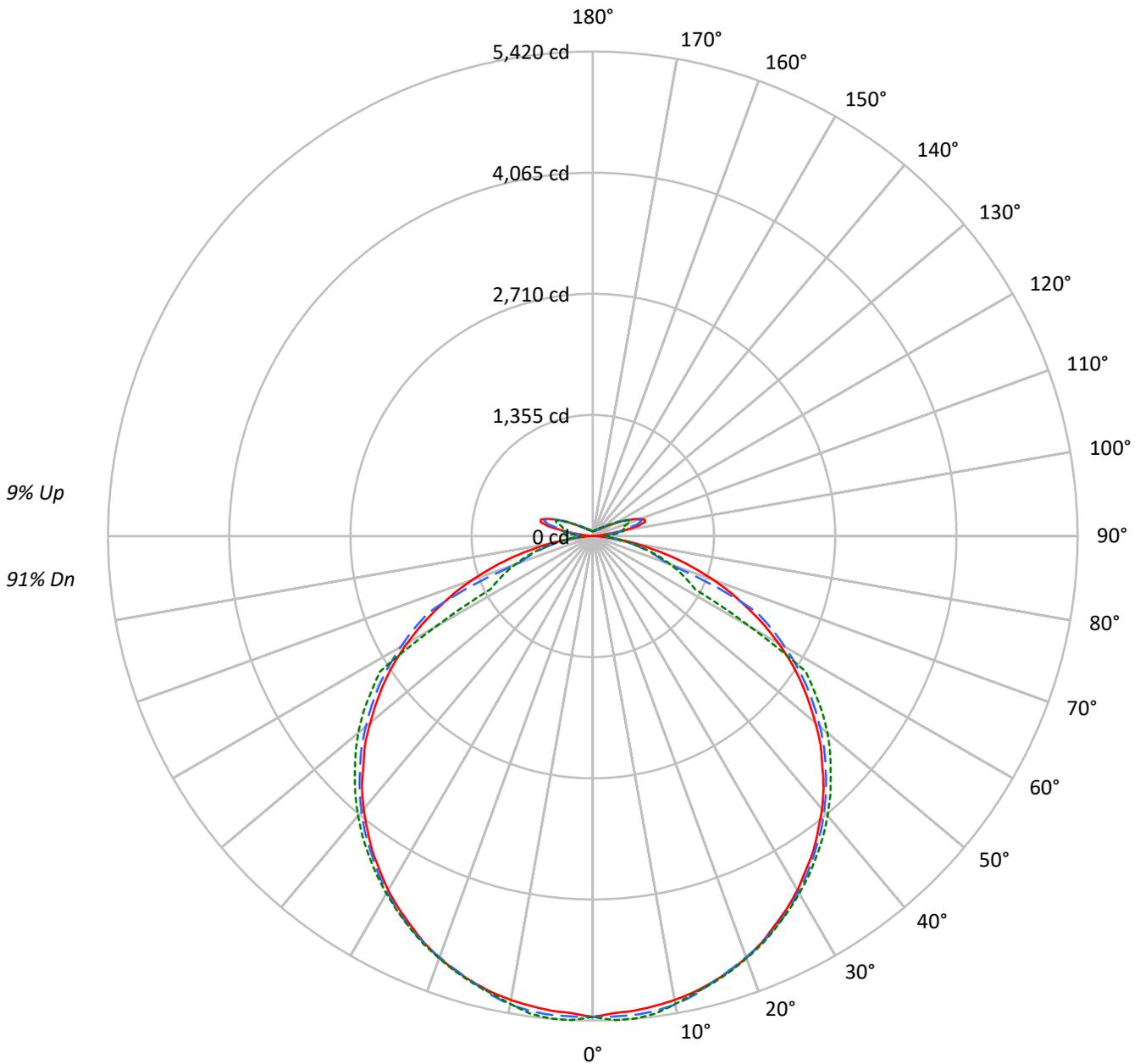
Lumens per Lamp: N/A
Luminaire Lumens: 16552.1 lumens
Efficiency: N/A
Efficacy: 141.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.1')
CIE Type: Direct

Input Watts (W): 117.3
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	117	117	117	117	113	113	113	113	106	106	106	100	100	100	94	94	94	91																			
1	107	103	99	95	104	99	96	93	94	91	88	88	86	84	83	81	80	77																			
2	98	90	83	78	94	87	81	76	82	77	73	78	74	70	73	70	67	65																			
3	89	79	71	65	86	77	70	64	72	66	61	69	63	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	63	54	47	72	61	53	47	58	51	45	55	49	44	52	47	43	40																			
6	69	56	47	41	67	55	47	41	52	45	40	50	43	39	47	42	38	35																			
7	64	51	42	36	62	50	42	36	47	40	35	45	39	34	43	37	33	31																			
8	60	46	38	32	58	45	37	32	43	36	31	41	35	30	39	34	30	28																			
9	56	42	34	29	54	42	34	29	40	33	28	38	32	27	36	31	27	25																			
10	52	39	31	26	50	38	31	26	37	30	25	35	29	25	34	28	24	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9189	9189	9189
5°	9091	9172	9269
10°	9045	9129	9174
15°	8995	8991	9093
20°	8932	8915	9048
25°	8818	8858	9007
30°	8720	8760	8968
35°	8603	8643	8933
40°	8461	8533	8906
45°	8263	8379	8851
50°	8051	8205	8815
55°	7794	7984	8666
60°	7408	7657	8694
65°	6855	7238	8459
70°	6144	3721	4264
75°	5100	3363	3975
80°	3582	2813	3480
85°	1438	2254	3011



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	511.1	3.1
10°-20°	1463.5	8.8
20°-30°	2226.9	13.5
30°-40°	2707.6	16.4
40°-50°	2846.9	17.2
50°-60°	2599.5	15.7
60°-70°	1666.4	10.1
70°-80°	787.2	4.8
80°-90°	221.9	1.3
90°-100°	196.2	1.2
100°-110°	496.5	3.0
110°-120°	417.4	2.5
120°-130°	198.3	1.2
130°-140°	99.1	0.6
140°-150°	57.5	0.3
150°-160°	33.6	0.2
160°-170°	17.4	0.1
170°-180°	5.3	0.0
0°-30°	4201.5	25.4
0°-40°	6909.0	41.7
0°-60°	12355.4	74.6
0°-90°	15030.9	90.8
90°-120°	1110.0	6.7
90°-150°	1464.9	8.9
90°-180°	1521.0	9.2
0°-180°	16552.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5380	5380	5380	5380	5380	
5°	5330	5351	5378	5408	5419	507
15°	5169	5207	5168	5175	5179	1459
25°	4810	4817	4834	4842	4838	2219
35°	4299	4274	4323	4376	4363	2687
45°	3626	3620	3681	3768	3761	2803
55°	2842	2820	2915	3012	3020	2534
65°	1914	1914	2026	1162	1166	1898
75°	946	964	626	659	662	997
85°	124	157	195	212	200	183
90°	3	73	114	139	142	8
95°	34	94	167	219	238	98
105°	604	604	521	372	343	573
115°	419	426	428	420	414	422
125°	202	212	217	217	215	190
135°	120	122	126	128	128	95
145°	87	89	91	92	92	55
155°	70	71	72	73	73	33
165°	60	61	61	61	61	17
175°	54	54	55	55	55	5
180°	54	54	54	54	54	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5380.1	5380.1	5380.1	5380.1	5380.1
2.5°	5342.4	5360.3	5380.1	5405.6	5419.7
5°	5330.1	5350.8	5378.2	5407.5	5418.8
7.5°	5303.6	5332.8	5359.3	5380.1	5386.7
10°	5270.6	5305.6	5320.7	5318.8	5314.1
12.5°	5226.2	5263.1	5258.4	5236.6	5240.4
15°	5168.6	5207.3	5167.8	5175.3	5179.0
17.5°	5100.7	5138.4	5092.2	5107.3	5108.3
20°	5021.4	5049.7	5013.8	5026.1	5026.1
22.5°	4926.1	4945.9	4930.8	4939.2	4941.2
25°	4809.9	4817.4	4834.4	4842.0	4838.2
27.5°	4698.6	4689.1	4722.2	4740.1	4730.5
30°	4574.8	4559.7	4598.4	4627.7	4616.4
32.5°	4433.2	4423.8	4468.2	4503.1	4496.5
35°	4299.2	4273.7	4322.8	4375.7	4363.4
37.5°	4140.6	4125.5	4181.2	4236.9	4230.3
40°	3985.7	3960.3	4023.6	4089.6	4083.0
42.5°	3819.6	3789.4	3858.3	3937.6	3930.0
45°	3626.0	3619.5	3680.8	3767.6	3761.1
47.5°	3454.3	3421.3	3507.1	3591.2	3598.8
50°	3246.5	3234.3	3312.7	3414.6	3422.2
52.5°	3043.6	3035.1	3117.2	3220.2	3233.3
55°	2841.5	2819.9	2915.2	3012.4	3020.0
57.5°	2625.5	2602.8	2700.0	2805.7	2821.7
60°	2394.0	2372.4	2479.0	2577.3	2049.5
62.5°	2162.8	2147.7	2259.1	1600.2	1289.6
65°	1914.5	1914.5	2025.8	1162.1	1165.9
67.5°	1682.3	1667.3	1510.5	1044.0	1044.0
70°	1433.1	1438.8	870.3	914.8	915.8
72.5°	1182.9	1203.7	751.5	787.3	789.2
75°	945.9	963.9	625.9	659.0	661.8
77.5°	694.8	534.3	503.1	528.7	529.6
80°	488.1	337.0	385.2	409.7	406.9
82.5°	285.0	236.0	282.3	300.2	299.2
85°	123.7	156.7	195.4	211.5	200.1
87.5°	39.6	97.2	121.7	131.2	130.2
90°	3.2	73.1	114.3	139.2	141.5
92.5°	10.5	68.1	120.0	155.8	163.3
95°	33.5	93.7	166.7	219.1	238.5
97.5°	159.5	192.0	236.8	294.0	308.9
100°	326.8	357.1	315.4	347.1	352.9
102.5°	513.1	520.8	384.8	361.6	357.8
105°	603.7	603.7	521.1	371.6	343.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	492.3	497.4	490.6	474.8	447.9
115°	419.4	426.2	428.1	420.5	413.9
117.5°	353.2	355.7	357.3	355.7	356.5
120°	295.0	300.7	303.9	301.5	299.9
122.5°	246.5	253.8	257.9	255.4	253.8
125°	202.1	211.8	217.4	216.6	215.0
127.5°	171.4	178.6	185.9	185.1	183.5
130°	148.7	154.4	159.2	160.0	160.9
132.5°	133.4	135.8	140.6	141.5	143.1
135°	119.6	122.1	126.1	127.7	128.5
137.5°	109.1	111.6	114.8	116.4	117.2
140°	100.2	102.7	105.1	106.7	107.5
142.5°	93.0	95.4	97.8	98.6	99.4
145°	87.3	88.9	91.3	92.2	92.2
147.5°	81.6	83.3	84.9	86.5	86.5
150°	76.8	78.4	80.0	80.8	81.6
152.5°	73.6	74.4	76.0	76.8	76.8
155°	69.5	71.1	71.9	72.8	72.8
157.5°	67.1	67.9	68.7	69.5	69.5
160°	64.7	64.7	65.5	66.3	66.3
162.5°	62.2	62.2	63.0	63.9	63.9
165°	59.8	60.6	60.6	61.4	61.4
167.5°	58.2	58.2	59.0	59.0	59.8
170°	56.6	56.6	57.4	57.4	57.4
172.5°	55.0	55.8	55.8	55.8	55.8
175°	54.2	54.2	55.0	55.0	55.0
177.5°	53.4	54.2	54.2	54.2	54.2
180°	54.2	54.2	54.2	54.2	54.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	609.3	614.0	570.9	441.8	365.8
110°	559.4	568.7	547.2	495.0	432.5



(END OF REPORT)