

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: P827723

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

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P827723
REPORT IS A COMBINATION OF REPORTS P826237 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-NL-UNV-L930-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

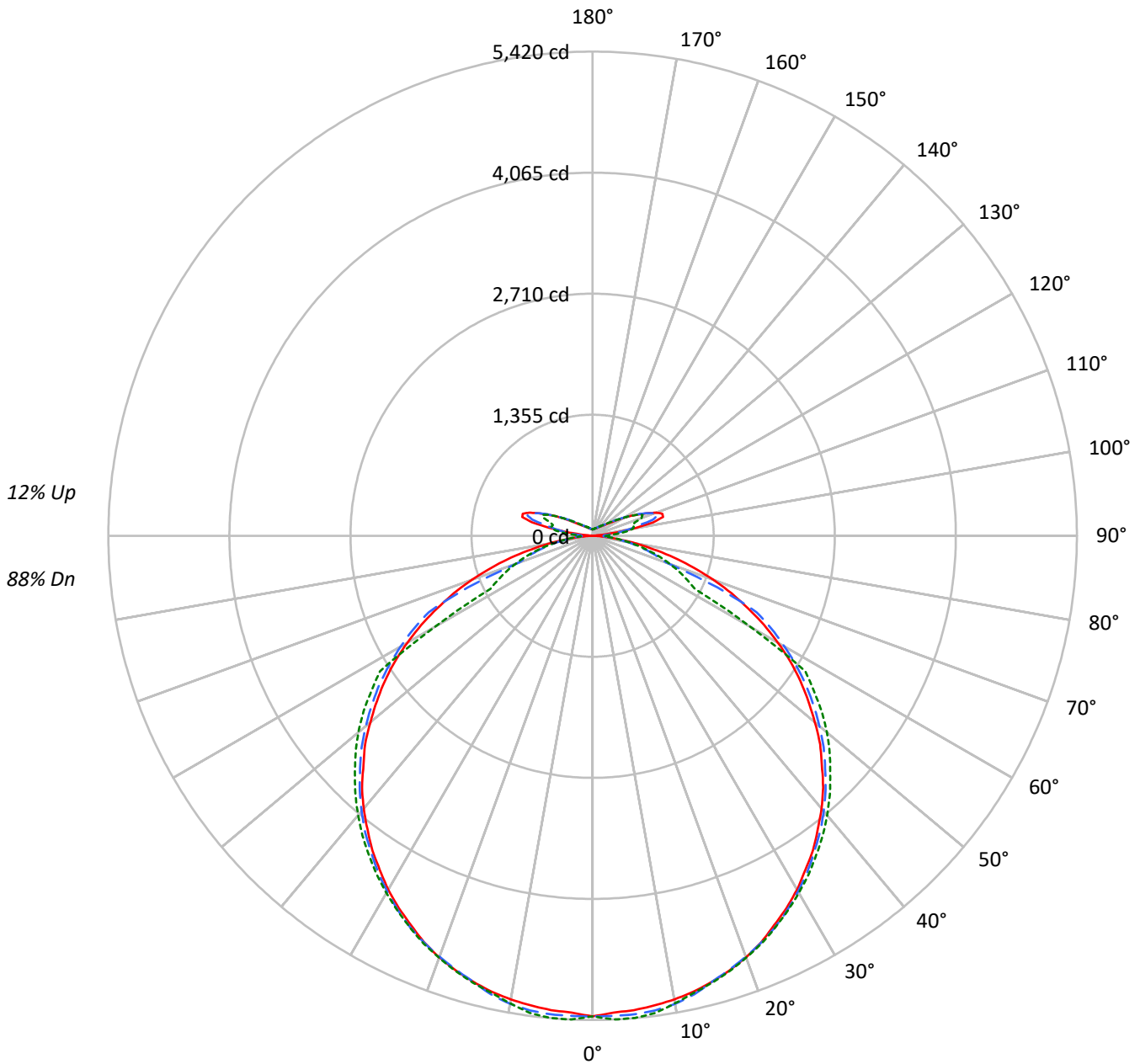
Lumens per Lamp: N/A
Luminaire Lumens: 17061.7 lumens
Efficiency: N/A
Efficacy: 139.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.1')
CIE Type: Semi-Direct

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				20				
RC	80				70				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	112	112	112	112	105	105	105	98	98	98	91	91	91	88			88
1	107	102	98	94	103	99	95	92	92	89	87	86	84	82	81	79	77	75			75
2	97	89	83	77	93	86	80	75	81	76	72	76	72	69	71	68	65	63			63
3	89	79	71	64	85	76	69	63	71	65	61	67	62	58	63	59	56	53			53
4	81	70	61	55	78	67	60	54	63	57	52	60	54	50	56	52	48	45			45
5	75	62	53	47	72	60	52	46	57	50	45	54	48	43	51	46	42	39			39
6	69	56	47	41	66	54	46	40	51	44	39	49	42	38	46	41	37	34			34
7	64	51	42	36	61	49	41	35	47	40	34	44	38	33	42	36	32	30			30
8	59	46	38	32	57	45	37	32	43	36	31	40	34	30	38	33	29	27			27
9	55	42	34	29	53	41	34	28	39	32	28	37	31	27	35	30	26	24			24
10	52	39	31	26	50	38	31	26	36	30	25	34	28	24	33	28	24	22			22

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	6694
65°	6855	7238	4459
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	3.0
10°-20°	1463.5	8.6
20°-30°	2226.9	13.1
30°-40°	2707.6	15.9
40°-50°	2846.9	16.7
50°-60°	2599.5	15.2
60°-70°	1666.4	9.8
70°-80°	787.2	4.6
80°-90°	223.3	1.3
90°-100°	245.2	1.4
100°-110°	666.5	3.9
110°-120°	562.5	3.3
120°-130°	267.8	1.6
130°-140°	134.0	0.8
140°-150°	77.7	0.5
150°-160°	45.3	0.3
160°-170°	23.5	0.1
170°-180°	7.1	0.0
0°-30°	4201.5	24.6
0°-40°	6909.0	40.5
0°-60°	12355.4	72.4
0°-90°	15032.3	88.1
90°-120°	1474.2	8.6
90°-150°	1953.6	11.5
90°-180°	2029.0	11.9
0°-180°	17061.7	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°	4	80	125	153	157	8
95°	46	117	201	268	293	135
105°	815	812	697	501	460	774
115°	564	572	574	570	559	568
125°	273	288	293	293	290	256
135°	162	165	171	172	174	128
145°	117	120	123	124	124	75
155°	94	95	97	98	98	44
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°	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°	4.0	80.3	124.8	152.9	156.8
92.5°	13.7	77.8	133.8	176.9	188.3
95°	45.7	117.1	201.4	268.4	292.6
97.5°	219.3	255.0	297.4	372.4	401.0
100°	448.1	489.7	411.6	451.4	459.6
102.5°	694.2	698.6	517.4	478.0	472.6
105°	815.4	812.3	697.3	500.9	460.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	658.8	670.4	660.3	638.9	606.3
115°	564.1	571.7	574.4	570.0	559.4
117.5°	478.5	479.3	482.6	481.8	482.6
120°	396.1	405.0	412.2	408.2	403.4
122.5°	332.2	341.9	346.8	345.2	340.3
125°	273.2	287.8	293.4	292.6	290.2
127.5°	231.2	241.7	249.8	250.6	249.8
130°	201.3	207.7	215.8	216.6	217.4
132.5°	178.6	184.3	190.0	193.2	192.4
135°	161.7	164.9	170.6	172.2	173.8
137.5°	147.9	150.4	155.2	157.6	157.6
140°	135.8	139.0	143.1	144.7	145.5
142.5°	125.3	128.5	131.8	133.4	133.4
145°	117.2	120.4	122.9	123.7	124.5
147.5°	109.9	113.2	114.8	116.4	116.4
150°	104.3	105.9	108.3	109.1	109.9
152.5°	98.6	100.2	102.7	103.5	103.5
155°	93.8	95.4	97.0	97.8	97.8
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°	818.7	826.6	767.4	597.8	493.5
110°	756.6	766.7	733.2	667.2	581.3



(END OF REPORT)