

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: P827962

Luminaire Tested: **OHBL-12SE-N-UNV-L935-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827962
REPORT IS A COMBINATION OF REPORTS P826152 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-12SE-N-UNV-L935-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

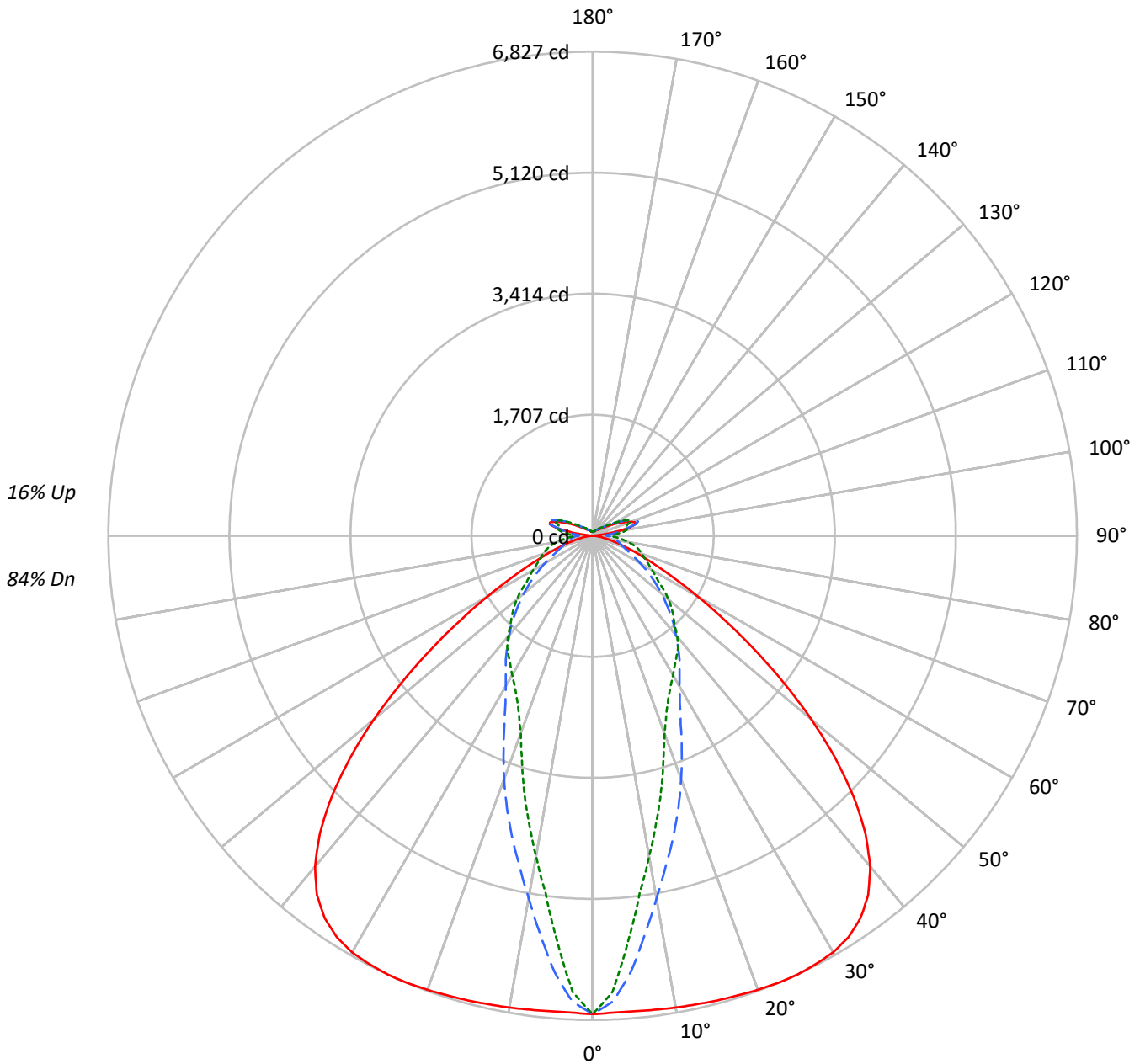
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11445.8 lumens
Efficiency: N/A
Efficacy: 139.1 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 82.3
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				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	115	115	115	115	111	111	111	111	102	102	102	95	95	95	87	87	87	84				84
1	106	101	98	94	102	98	94	91	91	88	85	84	82	80	78	76	75	72				72
2	97	90	84	79	93	87	81	76	81	76	72	75	71	68	70	67	65	62				62
3	90	80	73	67	86	77	71	65	72	67	62	68	63	59	63	59	56	54				54
4	83	72	64	58	79	70	62	57	65	59	54	61	56	52	57	53	50	47				47
5	77	65	57	51	74	63	56	50	59	53	48	56	50	46	52	48	44	42				42
6	71	59	51	45	68	57	50	44	54	48	43	51	46	41	48	43	40	38				38
7	66	54	46	41	64	53	45	40	50	43	39	47	41	37	44	40	36	34				34
8	62	50	42	37	60	48	41	36	46	40	35	44	38	34	41	36	33	31				31
9	58	46	39	33	56	45	38	33	43	36	32	40	35	31	38	34	30	28				28
10	55	43	35	31	53	42	35	30	40	34	29	38	32	29	36	31	28	26				26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21942	21942	21942
5°	21621	19872	18669
10°	21591	16647	15043
15°	21734	14159	12408
20°	22054	11904	10088
25°	22508	9795	8887
30°	22952	8387	8303
35°	23067	7592	7960
40°	22286	6808	7605
45°	20111	6102	7097
50°	16596	5341	6723
55°	12285	4627	6049
60°	8337	3916	5871
65°	5385	3317	5851
70°	3483	3045	6290
75°	2236	3045	6971
80°	1358	3216	7629
85°	625	3698	9097



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	567.7	5.0
10°-20°	1335.6	11.7
20°-30°	1674.1	14.6
30°-40°	1776.4	15.5
40°-50°	1606.2	14.0
50°-60°	1164.6	10.2
60°-70°	730.8	6.4
70°-80°	483.6	4.2
80°-90°	282.4	2.5
90°-100°	277.7	2.4
100°-110°	588.7	5.1
110°-120°	483.2	4.2
120°-130°	232.3	2.0
130°-140°	114.9	1.0
140°-150°	66.3	0.6
150°-160°	37.7	0.3
160°-170°	17.9	0.2
170°-180°	5.5	0.0
0°-30°	3577.5	31.3
0°-40°	5353.9	46.8
0°-60°	8124.7	71.0
0°-90°	9621.6	84.1
90°-120°	1349.6	11.8
90°-150°	1763.1	15.4
90°-180°	1824.0	15.9
0°-180°	11445.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6744	6744	6744	6744	6744	
5°	6731	6558	6173	5887	5739	643
15°	6782	5528	4391	3905	3728	1923
25°	6827	4274	2940	2609	2526	3154
35°	6583	2842	2134	2067	2066	4092
45°	5204	1800	1546	1584	1610	3964
55°	2755	1116	1009	1094	1134	2489
65°	985	647	584	748	832	1025
75°	304	349	392	609	646	339
85°	53	144	287	399	366	64
90°	3	81	195	272	278	6
95°	34	111	254	338	367	102
105°	623	640	628	509	484	591
115°	435	452	504	516	518	438
125°	216	229	261	270	267	203
135°	130	134	146	157	158	103
145°	98	100	104	110	109	62
155°	79	83	84	86	85	36
165°	62	62	62	63	63	18
175°	56	56	57	57	57	5
180°	56	56	56	56	56	



TEST NUMBER: P827962

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6744.5	6744.5	6744.5	6744.5	6744.5
2.5°	6730.3	6691.8	6571.8	6498.7	6437.0
5°	6731.0	6558.3	6173.2	5886.9	5738.6
7.5°	6740.7	6356.8	5662.8	5245.0	5081.9
10°	6755.4	6107.1	5186.6	4741.1	4589.0
12.5°	6766.3	5825.9	4767.4	4309.8	4142.8
15°	6782.3	5528.1	4390.6	3904.7	3727.5
17.5°	6797.1	5247.6	4018.3	3510.6	3313.5
20°	6811.9	4945.2	3646.0	3122.8	2960.5
22.5°	6826.0	4626.2	3282.7	2821.8	2710.8
25°	6827.3	4274.4	2939.9	2609.3	2526.5
27.5°	6810.6	3909.8	2662.0	2431.5	2380.2
30°	6781.8	3556.2	2446.3	2303.2	2266.6
32.5°	6709.8	3195.4	2279.4	2179.2	2158.1
35°	6582.8	2841.7	2133.7	2066.9	2066.2
37.5°	6382.4	2527.8	1975.8	1964.2	1978.3
40°	6086.5	2253.1	1826.2	1857.0	1857.0
42.5°	5691.8	2014.3	1690.8	1722.2	1713.9
45°	5203.9	1799.9	1546.3	1583.6	1610.5
47.5°	4638.4	1611.2	1398.7	1470.6	1507.8
50°	4023.4	1431.4	1263.9	1355.7	1398.1
52.5°	3379.0	1265.2	1132.3	1237.6	1271.6
55°	2755.1	1115.7	1009.1	1094.4	1133.6
57.5°	2190.2	973.2	888.4	969.2	1050.2
60°	1704.2	850.5	774.8	890.3	971.2
62.5°	1301.8	741.4	668.2	816.5	897.4
65°	985.3	647.0	584.2	748.5	831.9
67.5°	742.7	565.5	518.7	699.0	780.6
70°	557.8	486.6	466.0	668.2	741.4
72.5°	412.1	414.0	424.3	641.2	697.1
75°	304.3	348.6	392.2	609.2	645.8
77.5°	217.6	288.8	363.3	570.7	583.5
80°	150.8	235.6	333.2	519.9	509.0
82.5°	94.3	188.8	306.2	464.1	433.9
85°	53.2	144.4	286.9	399.3	366.5
87.5°	23.8	107.8	251.0	311.3	290.8
90°	3.3	81.2	194.6	271.8	277.9
92.5°	12.1	77.6	199.2	277.8	290.8
95°	34.2	110.7	253.8	338.2	367.2
97.5°	165.8	214.8	335.7	419.8	440.9
100°	338.8	385.1	421.4	479.3	490.7
102.5°	528.7	554.2	494.5	496.3	496.5
105°	622.7	639.9	628.2	508.8	484.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	508.1	526.8	575.2	583.1	565.5
115°	434.6	452.4	503.6	516.5	517.7
117.5°	371.8	384.0	431.2	445.6	447.1
120°	311.8	325.4	367.2	378.2	376.6
122.5°	261.8	274.5	310.8	319.2	316.8
125°	216.0	228.6	260.8	269.6	267.2
127.5°	183.8	192.5	221.2	229.3	227.0
130°	160.4	167.5	187.9	197.8	198.6
132.5°	143.9	147.7	164.2	174.1	175.8
135°	129.8	133.5	146.1	156.7	157.5
137.5°	118.9	123.3	131.8	141.8	142.7
140°	109.8	113.5	119.9	129.2	130.1
142.5°	102.9	106.0	111.1	118.3	119.2
145°	97.7	100.0	103.8	109.8	109.1
147.5°	91.8	94.8	97.2	102.0	101.3
150°	86.8	90.5	92.2	94.9	95.1
152.5°	83.5	86.3	88.0	90.1	89.4
155°	79.3	83.0	84.4	85.9	84.7
157.5°	69.2	70.0	70.8	71.7	71.7
160°	66.7	66.7	67.5	68.3	68.3
162.5°	64.2	64.2	65.0	65.8	65.8
165°	61.7	62.5	62.5	63.3	63.3
167.5°	60.0	60.0	60.8	60.8	61.7
170°	58.3	58.3	59.2	59.2	59.2
172.5°	56.7	57.5	57.5	57.5	57.5
175°	55.8	55.8	56.7	56.7	56.7
177.5°	55.0	55.8	55.8	55.8	55.8
180°	55.8	55.8	55.8	55.8	55.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	628.5	649.7	672.6	573.1	505.1
110°	576.6	601.2	641.8	615.5	562.5



(END OF REPORT)