

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: P827960

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827960
REPORT IS A COMBINATION OF REPORTS P826151 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-MFL-UNV-L935-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

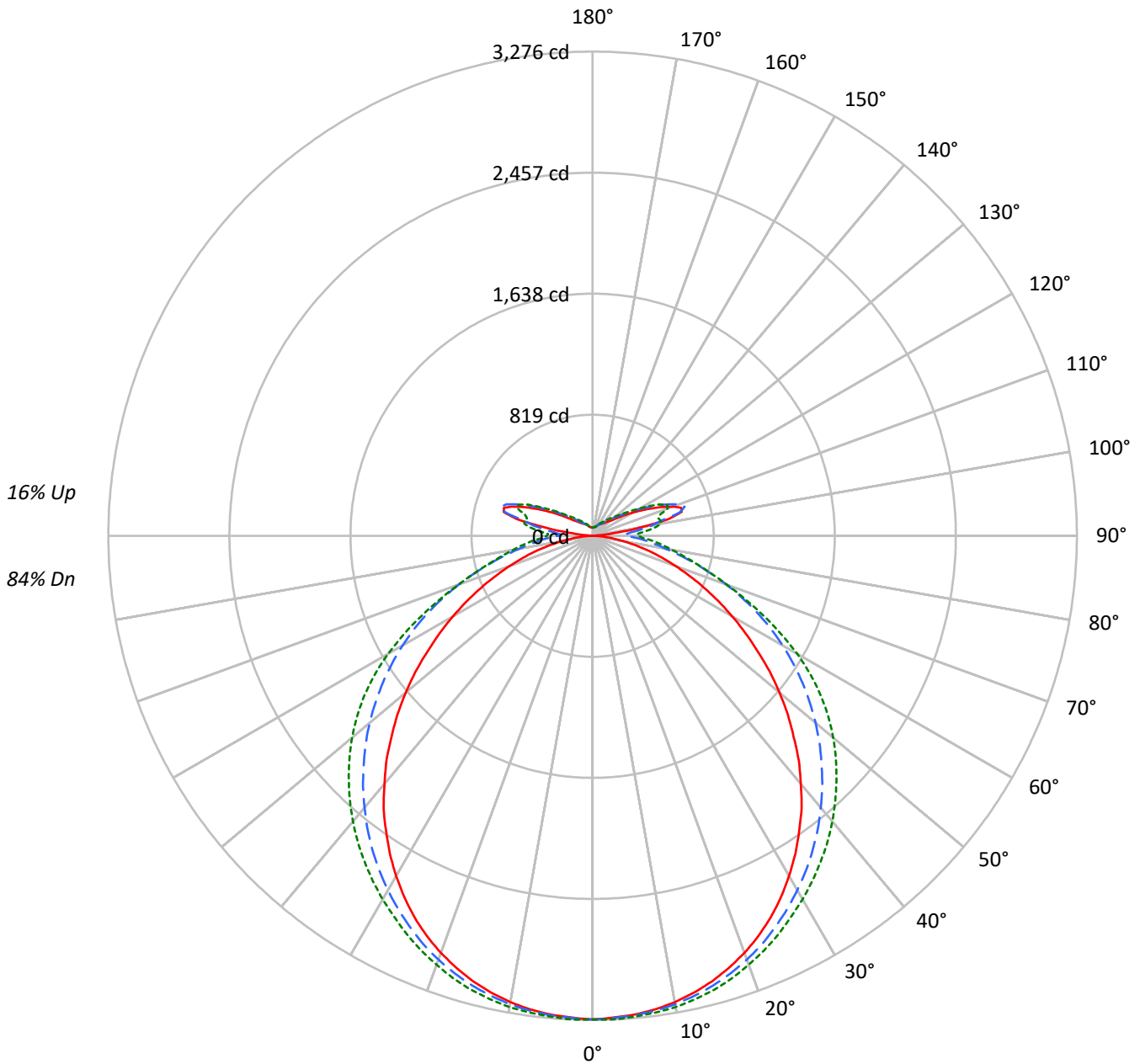
Lumens per Lamp: N/A
Luminaire Lumens: 11286.6 lumens
Efficiency: N/A
Efficacy: 137.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')
CIE Type: Semi-Direct

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				
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	94	94	94	87	87	87	84	84	84	84
1	105	100	95	91	100	96	92	88	89	86	83	82	80	77	76	74	72	69	69	69	69
2	95	87	80	74	91	83	77	72	77	72	68	72	68	64	67	63	60	57	57	57	57
3	87	76	68	62	83	73	66	60	68	62	57	63	58	54	59	55	51	48	48	48	48
4	79	67	59	52	76	65	57	51	60	54	48	56	51	46	52	48	44	41	41	41	41
5	73	60	51	45	70	58	50	44	54	47	42	50	45	40	47	42	38	36	36	36	36
6	67	54	45	39	64	52	44	38	49	42	36	46	40	35	43	37	33	31	31	31	31
7	62	49	40	34	59	47	39	34	44	37	32	42	35	31	39	34	30	27	27	27	27
8	58	45	36	30	55	43	35	30	41	34	29	38	32	28	36	30	27	24	24	24	24
9	54	41	33	27	52	40	32	27	37	31	26	35	29	25	33	28	24	22	22	22	22
10	51	38	30	25	48	36	29	24	34	28	23	32	27	23	31	25	22	20	20	20	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10647	10647	10647
5°	10446	10484	10624
10°	10243	10330	10613
15°	10000	10159	10585
20°	9722	9964	10524
25°	9395	9736	10463
30°	8995	9493	10405
35°	8538	9237	10366
40°	8018	8949	10333
45°	7432	8639	10282
50°	6806	8320	10214
55°	6075	7941	10057
60°	5334	7502	9660
65°	4544	6958	8946
70°	3711	6286	8182
75°	2878	5510	7781
80°	1925	4840	8150
85°	960	4585	10219



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.1	2.7
10°-20°	889.7	7.9
20°-30°	1345.5	11.9
30°-40°	1615.3	14.3
40°-50°	1668.3	14.8
50°-60°	1501.0	13.3
60°-70°	1130.7	10.0
70°-80°	682.7	6.0
80°-90°	337.6	3.0
90°-100°	283.2	2.5
100°-110°	575.7	5.1
110°-120°	472.8	4.2
120°-130°	231.1	2.0
130°-140°	116.1	1.0
140°-150°	66.1	0.6
150°-160°	37.1	0.3
160°-170°	17.9	0.2
170°-180°	5.5	0.0
0°-30°	2545.3	22.6
0°-40°	4160.6	36.9
0°-60°	7329.8	64.9
0°-90°	9480.9	84.0
90°-120°	1331.8	11.8
90°-150°	1745.2	15.5
90°-180°	1806.0	16.0
0°-180°	11286.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3273	3273	3273	3273	3273	
5°	3252	3261	3257	3270	3266	309
15°	3121	3136	3150	3177	3180	880
25°	2850	2881	2922	2968	2975	1311
35°	2437	2494	2596	2674	2690	1523
45°	1923	2020	2189	2308	2333	1485
55°	1362	1503	1732	1862	1885	1222
65°	831	1001	1226	1286	1272	826
75°	392	562	710	728	721	418
85°	82	216	356	404	412	94
90°	3	105	232	294	308	8
95°	36	125	260	333	360	103
105°	623	644	610	483	459	591
115°	434	451	486	500	502	438
125°	215	227	257	271	271	202
135°	129	133	147	160	164	102
145°	98	99	102	109	112	62
155°	80	82	82	82	83	36
165°	62	62	62	63	63	18
175°	56	56	57	57	57	5
180°	56	56	56	56	56	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3272.8	3272.8	3272.8	3272.8	3272.8
2.5°	3263.2	3271.2	3266.4	3276.8	3276.0
5°	3252.0	3260.8	3256.8	3269.6	3265.6
7.5°	3232.8	3242.4	3241.6	3256.0	3254.4
10°	3204.8	3215.2	3218.3	3237.6	3237.6
12.5°	3166.2	3179.9	3187.9	3211.2	3211.9
15°	3120.7	3135.8	3150.3	3176.7	3179.9
17.5°	3065.3	3084.6	3104.6	3135.1	3139.1
20°	3002.9	3024.5	3051.8	3083.8	3088.6
22.5°	2930.8	2956.4	2991.7	3029.3	3034.9
25°	2849.9	2881.2	2922.0	2967.7	2974.8
27.5°	2757.8	2793.8	2849.1	2900.3	2906.8
30°	2657.7	2700.1	2769.0	2829.9	2840.3
32.5°	2551.9	2600.8	2685.7	2753.8	2768.2
35°	2436.6	2493.5	2596.0	2674.5	2690.5
37.5°	2322.8	2385.3	2501.5	2591.2	2610.4
40°	2189.9	2267.6	2400.6	2499.8	2523.1
42.5°	2064.9	2149.0	2299.7	2407.8	2430.2
45°	1923.2	2020.1	2189.1	2308.4	2333.2
47.5°	1790.2	1895.2	2082.6	2205.9	2231.6
50°	1650.0	1765.3	1968.8	2097.8	2124.2
52.5°	1509.8	1634.0	1851.1	1984.8	2009.7
55°	1362.5	1503.4	1731.8	1862.2	1884.8
57.5°	1225.5	1374.5	1609.2	1733.3	1746.9
60°	1090.2	1244.8	1484.2	1593.2	1598.0
62.5°	958.0	1120.6	1356.1	1442.6	1436.2
65°	831.4	1001.2	1225.5	1286.4	1272.0
67.5°	709.7	885.1	1091.8	1131.0	1111.8
70°	594.3	772.2	962.0	982.0	964.4
72.5°	492.6	664.8	830.6	847.4	834.7
75°	391.7	562.3	709.7	728.1	720.9
77.5°	297.2	463.0	598.3	622.3	624.0
80°	213.8	372.4	501.4	539.1	543.8
82.5°	141.0	289.2	420.5	468.6	475.8
85°	81.7	215.5	355.7	404.5	411.7
87.5°	35.2	155.4	285.9	330.0	338.8
90°	3.3	104.9	231.8	293.8	308.4
92.5°	13.2	97.2	220.4	286.0	301.5
95°	35.7	125.2	259.7	333.0	360.2
97.5°	167.3	225.6	330.5	404.0	424.6
100°	339.8	393.3	409.5	457.3	468.8
102.5°	529.0	560.2	478.4	471.4	472.0
105°	623.1	644.5	609.8	482.8	459.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	508.1	526.7	555.8	563.3	545.8
115°	433.9	450.9	486.2	499.6	501.9
117.5°	371.4	382.7	416.4	432.3	435.6
120°	311.4	323.6	355.8	369.3	370.8
122.5°	261.4	272.9	303.5	316.2	316.9
125°	214.8	227.2	257.0	270.6	271.3
127.5°	182.2	191.4	219.7	233.2	234.0
130°	158.9	165.6	188.2	202.7	205.9
132.5°	143.1	147.2	165.0	178.7	183.6
135°	128.9	133.1	146.8	160.5	164.5
137.5°	118.1	122.2	131.9	144.8	148.8
140°	109.8	113.1	119.6	130.8	134.8
142.5°	103.1	105.6	109.7	119.2	122.5
145°	98.0	98.9	102.2	109.4	111.8
147.5°	92.2	93.8	95.5	100.4	102.8
150°	87.2	89.7	90.5	92.2	95.4
152.5°	83.8	85.5	86.3	86.4	88.0
155°	79.7	82.2	82.2	82.2	83.0
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°	628.9	652.2	652.7	549.2	480.7
110°	576.4	603.2	621.4	593.8	540.3



(END OF REPORT)