

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: P827800

Luminaire Tested: **OHBL-36SE-A-UNV-L930-CD-UPL36**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827800
REPORT IS A COMBINATION OF REPORTS P826317 AND G3-2310-221-2
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36SE-A-UNV-L930-CD-UPL36
Description:
Light Source: -
Ballast/Driver: -

Summary

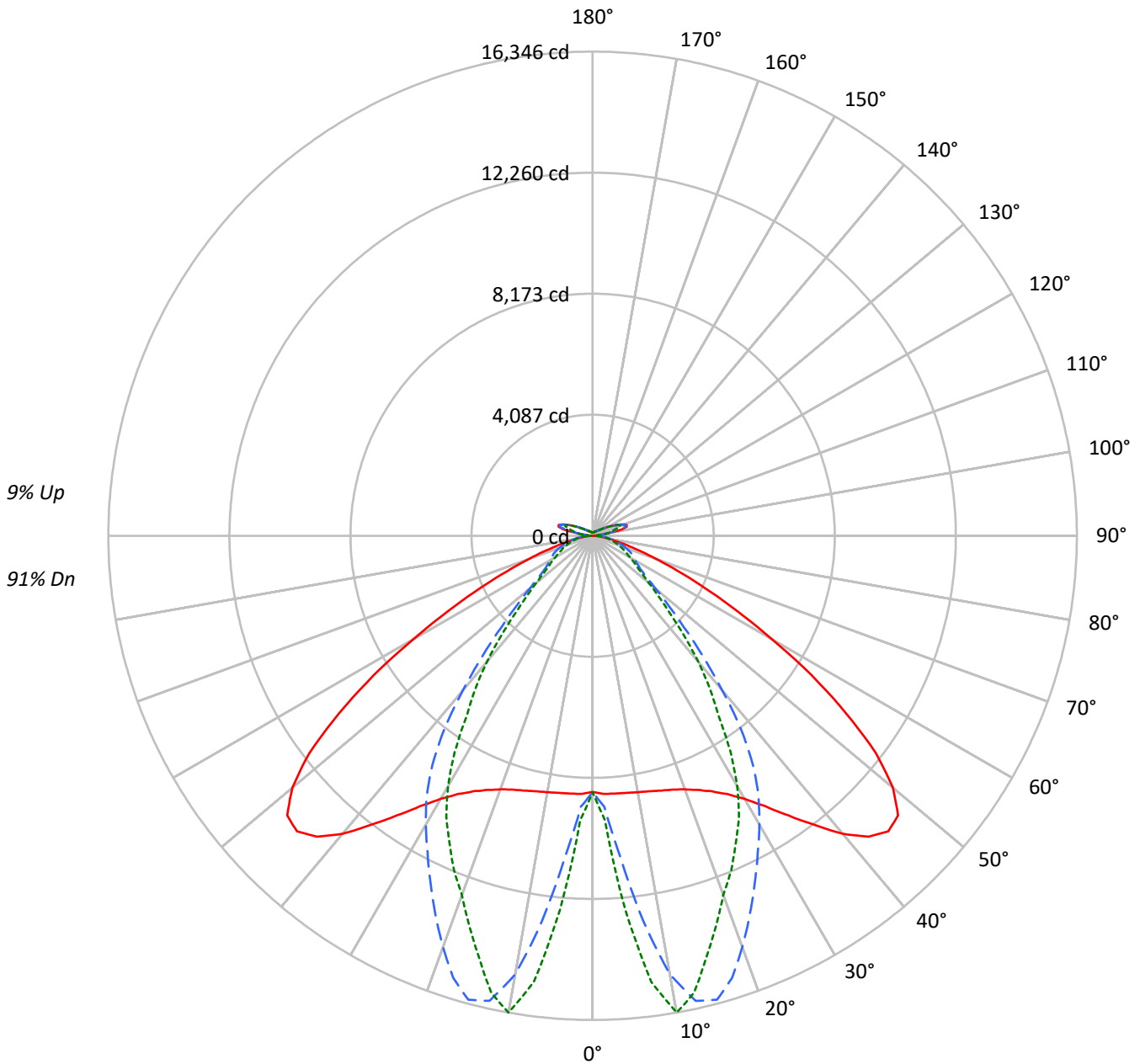
Lumens per Lamp: N/A
Luminaire Lumens: 30652.9 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 239.8
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	99	99	99	93	93	93	91																			
1	108	104	101	98	105	101	98	95	95	93	90	90	88	86	85	83	82	79																			
2	100	93	87	83	97	91	85	81	86	81	78	81	78	75	77	74	72	69																			
3	93	84	77	71	89	81	75	70	77	72	67	73	69	65	70	66	63	61																			
4	86	75	68	62	83	73	66	61	70	64	59	67	62	57	63	59	56	54																			
5	80	68	60	55	77	67	59	54	64	57	52	61	55	51	58	53	50	48																			
6	74	62	54	49	72	61	53	48	58	52	47	56	50	46	53	48	45	43																			
7	69	57	49	44	67	56	48	43	53	47	42	51	46	41	49	44	40	38																			
8	64	52	45	39	63	51	44	39	49	43	38	47	42	37	46	40	37	35																			
9	60	48	41	36	59	47	40	35	46	39	35	44	38	34	42	37	34	32																			
10	57	45	37	33	55	44	37	32	42	36	32	41	35	31	39	34	31	29																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13680	13680	13680
5°	13758	17213	20053
10°	13890	23742	26047
15°	14230	25876	23906
20°	14828	24020	21365
25°	15921	21613	19543
30°	17766	19471	17378
35°	20903	17052	13848
40°	25156	12994	11021
45°	28885	8859	7844
50°	29317	6082	5801
55°	25412	4791	4740
60°	19015	4488	4264
65°	13062	4509	4039
70°	8376	4358	3912
75°	5058	4046	3743
80°	2997	3572	3861
85°	1461	3096	3580



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1129.3	3.7
10°-20°	3985.7	13.0
20°-30°	5873.2	19.2
30°-40°	6171.8	20.1
40°-50°	4722.5	15.4
50°-60°	2851.6	9.3
60°-70°	1740.2	5.7
70°-80°	949.8	3.1
80°-90°	339.6	1.1
90°-100°	222.4	0.7
100°-110°	1007.3	3.3
110°-120°	833.6	2.7
120°-130°	394.6	1.3
130°-140°	199.8	0.7
140°-150°	116.8	0.4
150°-160°	68.5	0.2
160°-170°	35.6	0.1
170°-180°	10.9	0.0
0°-30°	10988.1	35.8
0°-40°	17159.9	56.0
0°-60°	24734.0	80.7
0°-90°	27763.6	90.6
90°-120°	2063.3	6.7
90°-150°	2774.4	9.1
90°-180°	2889.0	9.4
0°-180°	30652.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8650	8650	8650	8650	8650	
5°	8737	9373	10934	12209	12680	835
15°	8907	13873	16214	15130	14774	2533
25°	9518	16101	12944	11719	11430	4448
35°	11529	12894	9430	7853	7394	7314
45°	14111	7357	4344	3822	3662	10662
55°	10436	2495	1977	1833	1827	9221
65°	4184	1579	1455	1245	1181	4287
75°	1114	982	901	743	713	1282
85°	166	304	359	327	297	205
90°	6	40	51	58	59	13
95°	50	100	133	170	183	187
105°	1194	1192	1120	833	753	1135
115°	833	821	828	833	825	842
125°	410	424	434	427	419	386
135°	242	248	255	257	258	192
145°	176	180	184	187	188	112
155°	142	145	147	149	149	67
165°	122	124	124	125	126	35
175°	112	112	112	112	113	11
180°	110	110	110	110	110	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8650.0	8650.0	8650.0	8650.0	8650.0
2.5°	8720.8	8809.8	9160.7	9525.0	9613.6
5°	8736.7	9373.3	10934.5	12209.3	12680.4
7.5°	8755.3	10286.1	13132.2	14693.1	15192.7
10°	8790.5	11440.4	15036.5	16157.0	16345.9
12.5°	8834.3	12663.4	16084.4	16043.6	15805.4
15°	8907.0	13872.9	16213.5	15129.7	14773.9
17.5°	8983.4	14896.3	15650.4	14134.8	13825.1
20°	9107.7	15656.0	14774.6	13250.5	12898.5
22.5°	9286.9	16073.6	13856.2	12450.8	12221.2
25°	9517.9	16100.7	12944.2	11719.0	11429.7
27.5°	9827.6	15727.2	12069.9	11002.0	10696.4
30°	10249.0	15012.0	11257.6	10137.4	9758.3
32.5°	10821.3	13982.7	10420.0	9093.6	8668.5
35°	11529.1	12893.7	9430.0	7853.2	7394.0
37.5°	12301.3	11684.5	8228.6	6754.9	6487.4
40°	13132.2	10438.6	6804.6	5727.0	5535.7
42.5°	13780.5	9083.9	5481.9	4759.3	4555.7
45°	14111.1	7357.3	4343.9	3822.4	3661.8
47.5°	13982.4	5711.1	3443.7	3037.2	2988.9
50°	13231.2	4217.1	2756.7	2501.9	2481.8
52.5°	12056.9	3143.2	2277.1	2119.4	2084.9
55°	10435.6	2494.8	1977.4	1832.7	1827.2
57.5°	8761.6	2119.4	1794.9	1682.9	1643.9
60°	6976.0	1889.9	1656.5	1530.1	1451.0
62.5°	5468.1	1729.3	1554.9	1383.1	1309.3
65°	4183.7	1579.4	1454.8	1244.8	1181.4
67.5°	3118.7	1436.6	1332.4	1099.4	1062.3
70°	2272.3	1290.1	1192.9	977.8	948.4
72.5°	1619.4	1144.0	1053.4	863.5	831.2
75°	1113.9	982.2	901.0	743.3	713.3
77.5°	751.5	817.1	750.8	634.6	622.0
80°	501.9	648.0	607.2	537.9	530.0
82.5°	304.5	470.4	479.3	437.3	416.2
85°	165.8	304.5	359.1	327.1	296.7
87.5°	64.9	168.8	247.4	222.2	209.2
90°	6.5	39.6	50.9	58.2	59.0
92.5°	20.2	48.5	62.2	77.6	82.4
95°	50.1	100.2	133.4	169.8	182.7
97.5°	302.3	325.0	282.1	337.1	356.5
100°	649.1	666.1	516.5	520.6	536.7
102.5°	1016.9	1030.6	814.8	674.2	649.9
105°	1193.9	1191.5	1120.4	833.4	752.6



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CATALOG NUMBER: OHBL-36SE-A-UNV-L930-CD-UPL36

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	978.1	980.5	971.6	968.4	942.5
115°	832.6	821.3	827.7	833.4	825.3
117.5°	712.1	704.1	710.5	707.3	698.4
120°	599.0	599.0	607.1	595.7	589.3
122.5°	496.3	507.6	513.3	505.2	494.7
125°	409.8	424.4	434.1	426.8	418.7
127.5°	351.6	356.5	367.8	363.8	363.8
130°	302.3	308.8	317.7	319.3	317.7
132.5°	268.4	274.8	282.9	285.3	287.8
135°	242.5	248.2	254.6	257.0	257.9
137.5°	221.5	226.3	231.2	235.2	236.0
140°	203.7	208.6	213.4	216.6	216.6
142.5°	189.2	194.0	198.0	200.5	200.5
145°	176.2	180.3	184.3	186.7	187.5
147.5°	166.5	169.8	173.8	174.6	175.4
150°	157.6	160.0	163.3	164.9	165.7
152.5°	149.5	152.0	155.2	156.0	156.8
155°	142.3	144.7	147.1	148.7	148.7
157.5°	135.8	138.2	140.6	141.5	141.5
160°	131.0	132.6	135.0	135.0	135.8
162.5°	126.1	127.7	129.3	130.1	131.0
165°	122.1	123.7	124.5	125.3	126.1
167.5°	118.8	119.6	120.4	121.2	121.2
170°	115.6	116.4	117.2	117.2	118.0
172.5°	113.2	114.0	114.8	114.8	114.8
175°	111.6	111.6	112.4	112.4	113.2
177.5°	109.9	110.7	110.7	110.7	111.6
180°	109.9	109.9	109.9	109.9	109.9



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1205.2	1207.6	1178.6	1037.9	897.2
110°	1112.3	1122.8	1104.2	1058.1	994.2



(END OF REPORT)