

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: P828100

Luminaire Tested: **OHBL-36SE-A-UNV-L935-CD-UPL36**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828100
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-L935-CD-UPL36
Description:
Light Source: -
Ballast/Driver: -

Summary

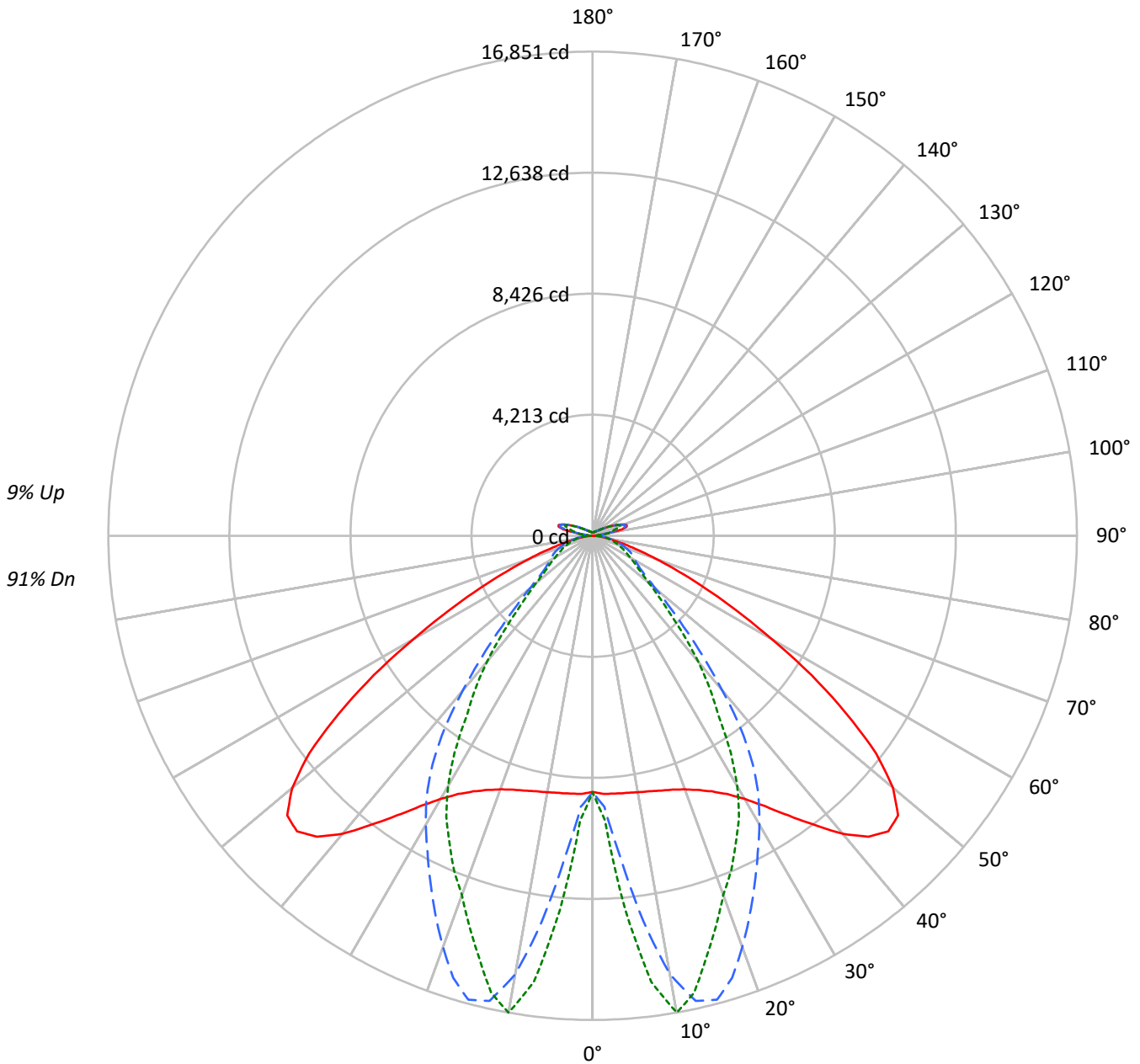
Lumens per Lamp: N/A
Luminaire Lumens: 31600.9 lumens
Efficiency: N/A
Efficacy: 131.8 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

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°	14103	14103	14103
5°	14184	17746	20673
10°	14319	24476	26852
15°	14670	26676	24646
20°	15287	24763	22026
25°	16413	22281	20147
30°	18316	20073	17915
35°	21549	17579	14276
40°	25934	13396	11361
45°	29778	9133	8086
50°	30224	6270	5981
55°	26198	4939	4886
60°	19603	4627	4396
65°	13466	4649	4164
70°	8635	4493	4033
75°	5214	4171	3858
80°	3089	3683	3981
85°	1506	3191	3691



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1164.2	3.7
10°-20°	4109.0	13.0
20°-30°	6054.8	19.2
30°-40°	6362.6	20.1
40°-50°	4868.6	15.4
50°-60°	2939.8	9.3
60°-70°	1794.0	5.7
70°-80°	979.2	3.1
80°-90°	350.1	1.1
90°-100°	229.3	0.7
100°-110°	1038.4	3.3
110°-120°	859.4	2.7
120°-130°	406.7	1.3
130°-140°	205.9	0.7
140°-150°	120.4	0.4
150°-160°	70.6	0.2
160°-170°	36.7	0.1
170°-180°	11.2	0.0
0°-30°	11327.9	35.8
0°-40°	17690.6	56.0
0°-60°	25499.0	80.7
0°-90°	28622.3	90.6
90°-120°	2127.1	6.7
90°-150°	2860.1	9.1
90°-180°	2979.0	9.4
0°-180°	31600.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8918	8918	8918	8918	8918	
5°	9007	9663	11273	12587	13073	861
15°	9182	14302	16715	15598	15231	2611
25°	9812	16599	13344	12081	11783	4586
35°	11886	13292	9722	8096	7623	7540
45°	14548	7585	4478	3941	3775	10992
55°	10758	2572	2039	1889	1884	9507
65°	4313	1628	1500	1283	1218	4419
75°	1148	1013	929	766	735	1321
85°	171	314	370	337	306	211
90°	7	41	52	60	61	14
95°	52	103	138	175	188	192
105°	1231	1228	1155	859	776	1170
115°	858	847	853	859	851	868
125°	422	438	448	440	432	398
135°	250	256	262	265	266	198
145°	182	186	190	192	193	116
155°	147	149	152	153	153	69
165°	126	128	128	129	130	36
175°	115	115	116	116	117	11
180°	113	113	113	113	113	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8917.5	8917.5	8917.5	8917.5	8917.5
2.5°	8990.5	9082.3	9444.0	9819.6	9910.9
5°	9006.9	9663.2	11272.7	12586.9	13072.6
7.5°	9026.1	10604.2	13538.3	15147.5	15662.6
10°	9062.4	11794.2	15501.6	16656.8	16851.4
12.5°	9107.5	13055.0	16581.8	16539.8	16294.2
15°	9182.5	14302.0	16714.9	15597.6	15230.8
17.5°	9261.2	15357.0	16134.4	14572.0	14252.7
20°	9389.3	16140.2	15231.6	13660.3	13297.4
22.5°	9574.1	16570.8	14284.8	12835.9	12599.2
25°	9812.3	16598.7	13344.5	12081.4	11783.2
27.5°	10131.6	16213.6	12443.2	11342.3	11027.2
30°	10566.0	15476.3	11605.8	10450.9	10060.1
32.5°	11156.0	14415.2	10742.3	9374.8	8936.6
35°	11885.7	13292.5	9721.7	8096.1	7622.7
37.5°	12681.8	12045.8	8483.1	6963.8	6688.1
40°	13538.3	10761.4	7015.1	5904.2	5706.9
42.5°	14206.8	9364.8	5651.4	4906.5	4696.6
45°	14547.5	7584.8	4478.2	3940.6	3775.0
47.5°	14414.8	5887.8	3550.2	3131.1	3081.3
50°	13640.4	4347.5	2842.0	2579.2	2558.6
52.5°	12429.8	3240.4	2347.5	2185.0	2149.4
55°	10758.3	2572.0	2038.6	1889.4	1883.7
57.5°	9032.6	2185.0	1850.4	1734.9	1694.8
60°	7191.8	1948.3	1707.8	1577.4	1495.9
62.5°	5637.2	1782.8	1603.0	1425.9	1349.8
65°	4313.1	1628.3	1499.8	1283.3	1217.9
67.5°	3215.2	1481.0	1373.6	1133.4	1095.2
70°	2342.6	1330.0	1229.8	1008.0	977.8
72.5°	1669.5	1179.3	1086.0	890.2	856.9
75°	1148.3	1012.6	928.8	766.3	735.3
77.5°	774.8	842.4	774.0	654.2	641.2
80°	517.4	668.1	626.0	554.5	546.4
82.5°	313.9	484.9	494.1	450.8	429.1
85°	170.9	313.9	370.2	337.2	305.9
87.5°	66.9	174.0	255.1	229.1	215.7
90°	6.7	40.8	52.5	60.0	60.8
92.5°	20.8	50.0	64.2	80.0	85.0
95°	51.7	103.3	137.5	175.0	188.3
97.5°	311.7	335.0	290.8	347.5	367.5
100°	669.2	686.7	532.5	536.7	553.3
102.5°	1048.3	1062.5	840.0	695.0	670.0
105°	1230.8	1228.3	1155.0	859.2	775.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1008.3	1010.8	1001.7	998.3	971.7
115°	858.3	846.7	853.3	859.2	850.8
117.5°	734.2	725.8	732.5	729.2	720.0
120°	617.5	617.5	625.8	614.2	607.5
122.5°	511.7	523.3	529.2	520.8	510.0
125°	422.5	437.5	447.5	440.0	431.7
127.5°	362.5	367.5	379.2	375.0	375.0
130°	311.7	318.3	327.5	329.2	327.5
132.5°	276.7	283.3	291.7	294.2	296.7
135°	250.0	255.8	262.5	265.0	265.8
137.5°	228.3	233.3	238.3	242.5	243.3
140°	210.0	215.0	220.0	223.3	223.3
142.5°	195.0	200.0	204.2	206.7	206.7
145°	181.7	185.8	190.0	192.5	193.3
147.5°	171.7	175.0	179.2	180.0	180.8
150°	162.5	165.0	168.3	170.0	170.8
152.5°	154.2	156.7	160.0	160.8	161.7
155°	146.7	149.2	151.7	153.3	153.3
157.5°	140.0	142.5	145.0	145.8	145.8
160°	135.0	136.7	139.2	139.2	140.0
162.5°	130.0	131.7	133.3	134.2	135.0
165°	125.8	127.5	128.3	129.2	130.0
167.5°	122.5	123.3	124.2	125.0	125.0
170°	119.2	120.0	120.8	120.8	121.7
172.5°	116.7	117.5	118.3	118.3	118.3
175°	115.0	115.0	115.8	115.8	116.7
177.5°	113.3	114.2	114.2	114.2	115.0
180°	113.3	113.3	113.3	113.3	113.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1242.5	1245.0	1215.0	1070.0	925.0
110°	1146.7	1157.5	1138.3	1090.8	1025.0



(END OF REPORT)