

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: P828099

Luminaire Tested: **OHBL-36SE-A-UNV-L935-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828099
REPORT IS A COMBINATION OF REPORTS P826173 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-36SE-A-UNV-L935-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

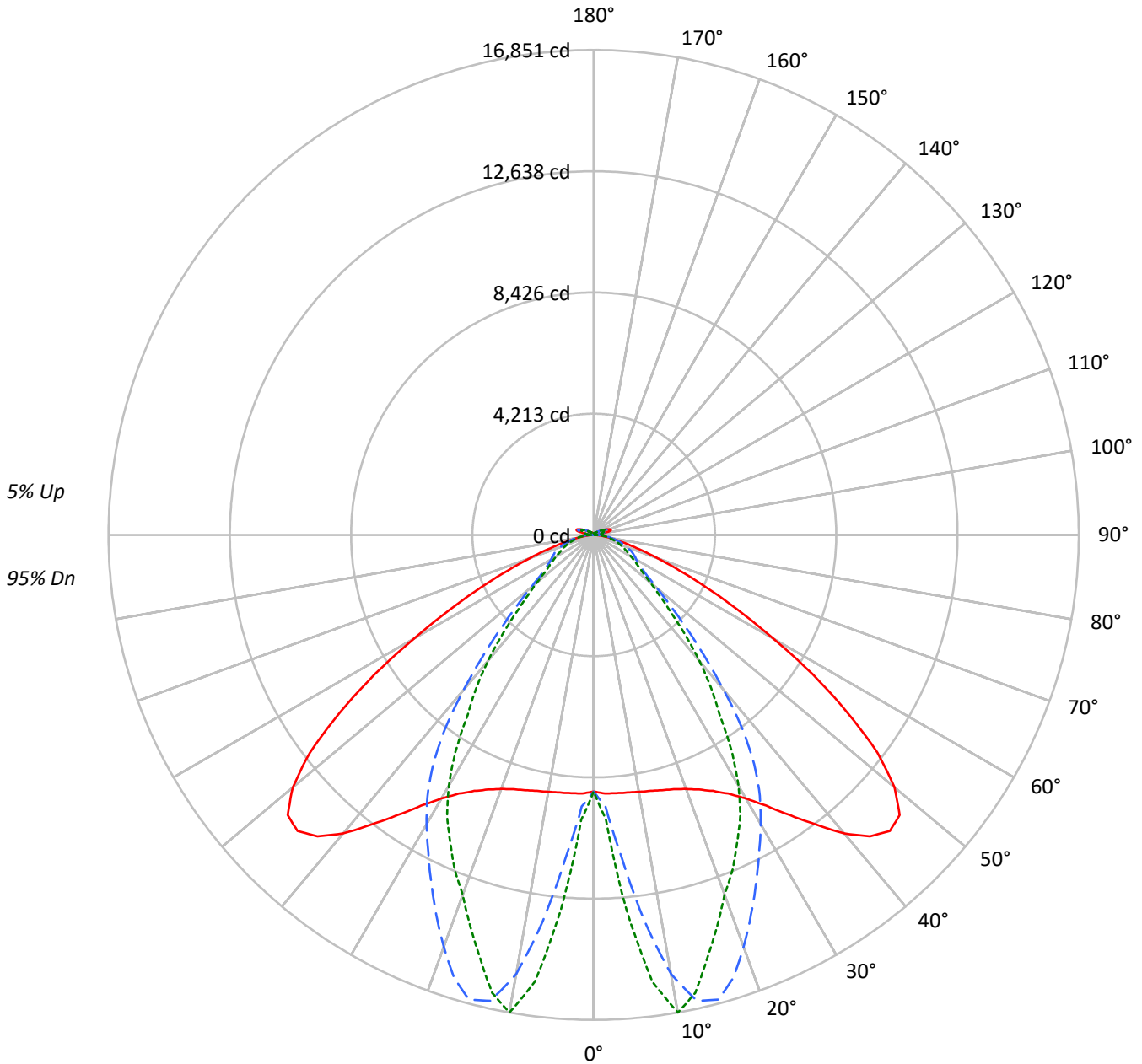
Lumens per Lamp: N/A
Luminaire Lumens: 30107.4 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (Ain): 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	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	95																			
1	109	105	102	99	106	103	99	97	98	95	93	93	91	89	89	87	86	83																			
2	101	94	88	84	98	92	87	82	88	83	80	84	80	77	80	77	75	73																			
3	94	85	78	72	91	83	76	71	79	74	69	76	71	67	73	69	66	64																			
4	87	76	69	63	84	75	68	62	72	66	61	69	64	60	66	62	58	56																			
5	80	69	61	55	78	68	60	55	65	59	54	63	57	53	61	56	52	50																			
6	75	63	55	49	73	62	54	49	60	53	48	58	52	47	56	51	47	45																			
7	70	58	50	44	68	57	49	44	55	48	43	53	47	43	51	46	42	40																			
8	65	53	45	40	64	52	45	40	51	44	39	49	43	39	48	42	38	37																			
9	61	49	42	37	60	48	41	36	47	40	36	45	40	35	44	39	35	33																			
10	58	46	38	33	56	45	38	33	44	37	33	42	37	33	41	36	32	31																			

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	3.9
10°-20°	4109.0	13.6
20°-30°	6054.8	20.1
30°-40°	6362.6	21.1
40°-50°	4868.6	16.2
50°-60°	2939.8	9.8
60°-70°	1794.0	6.0
70°-80°	979.2	3.3
80°-90°	347.4	1.2
90°-100°	142.7	0.5
100°-110°	495.5	1.6
110°-120°	425.7	1.4
120°-130°	204.5	0.7
130°-140°	102.1	0.3
140°-150°	59.3	0.2
150°-160°	34.6	0.1
160°-170°	17.9	0.1
170°-180°	5.5	0.0
0°-30°	11327.9	37.6
0°-40°	17690.6	58.8
0°-60°	25499.0	84.7
0°-90°	28619.6	95.1
90°-120°	1063.9	3.5
90°-150°	1429.8	4.7
90°-180°	1488.0	4.9
0°-180°	30107.4	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°	3	21	28	38	42	12
95°	32	68	108	139	159	100
105°	618	612	522	368	339	586
115°	428	432	432	427	426	431
125°	208	218	224	223	222	196
135°	123	126	130	132	132	98
145°	90	92	94	95	95	57
155°	72	73	74	75	75	34
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°	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°	3.3	20.8	28.3	37.5	41.7
92.5°	10.8	27.5	45.8	63.3	70.0
95°	31.7	68.3	107.5	139.2	159.2
97.5°	162.5	177.5	198.3	235.0	248.3
100°	335.0	351.7	295.0	309.2	314.2
102.5°	524.2	523.3	378.3	341.7	336.7
105°	617.5	611.7	521.7	367.5	339.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	501.7	505.0	495.0	481.7	460.8
115°	427.5	432.5	431.7	426.7	425.8
117.5°	364.2	366.7	368.3	366.7	367.5
120°	304.2	310.0	313.3	310.8	309.2
122.5°	254.2	261.7	265.8	263.3	261.7
125°	208.3	218.3	224.2	223.3	221.7
127.5°	176.7	184.2	191.7	190.8	189.2
130°	153.3	159.2	164.2	165.0	165.8
132.5°	137.5	140.0	145.0	145.8	147.5
135°	123.3	125.8	130.0	131.7	132.5
137.5°	112.5	115.0	118.3	120.0	120.8
140°	103.3	105.8	108.3	110.0	110.8
142.5°	95.8	98.3	100.8	101.7	102.5
145°	90.0	91.7	94.2	95.0	95.0
147.5°	84.2	85.8	87.5	89.2	89.2
150°	79.2	80.8	82.5	83.3	84.2
152.5°	75.8	76.7	78.3	79.2	79.2
155°	71.7	73.3	74.2	75.0	75.0
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°	623.3	623.3	575.0	446.7	374.2
110°	570.8	577.5	552.5	502.5	445.0



(END OF REPORT)