

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: P826607

Luminaire Tested: **OHBL-36SE-NL-UNV-L830-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826607
REPORT IS A COMBINATION OF REPORTS P826177 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-NL-UNV-L830-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

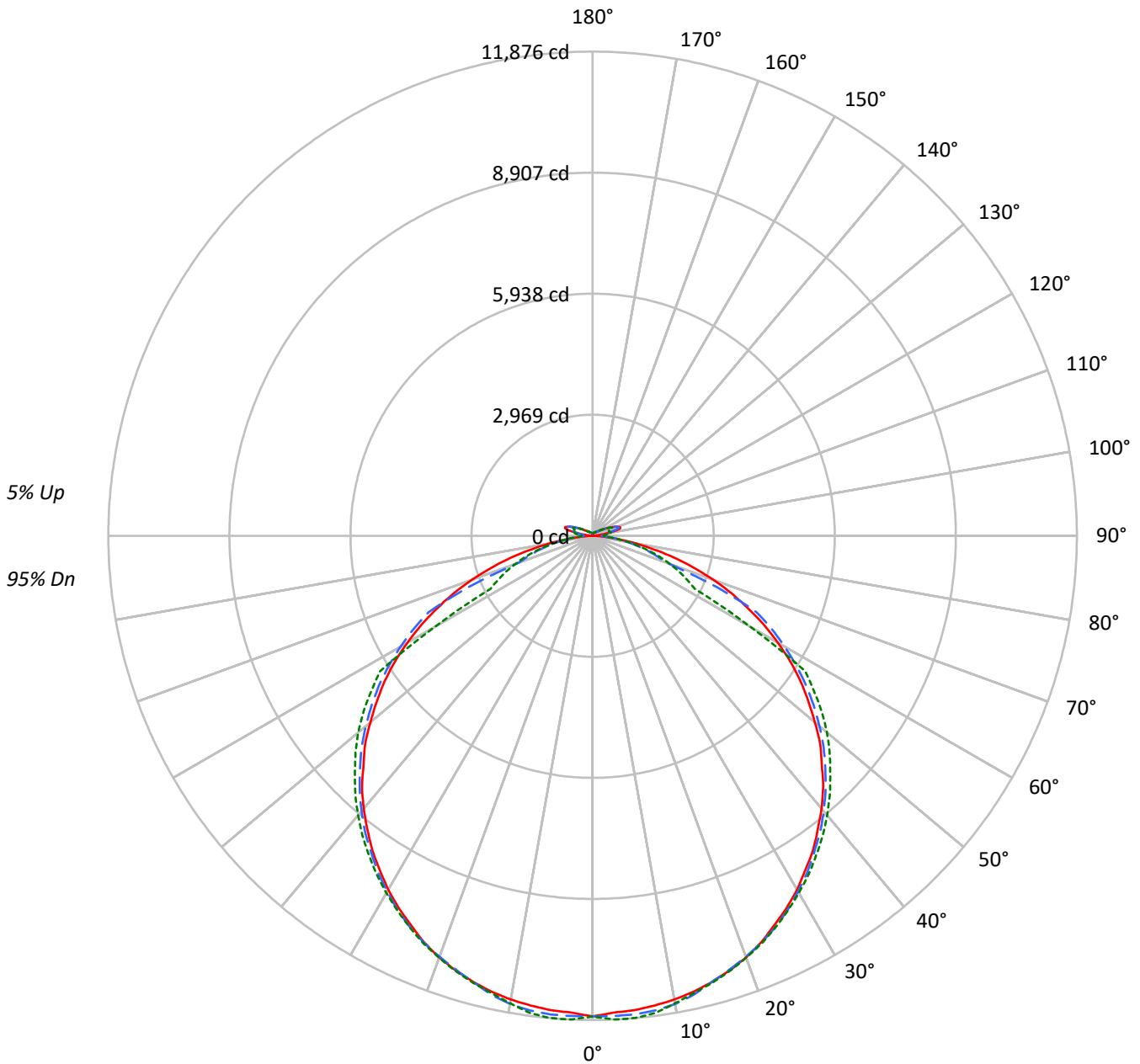
Lumens per Lamp: N/A
Luminaire Lumens: 34766.4 lumens
Efficiency: N/A
Efficacy: 155.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.1')
CIE Type: Direct

Input Watts (W): 223.3
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									
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	114	114	114	114	108	108	108	102	102	102	97	97	97	95																			
1	108	103	99	96	105	101	97	94	96	93	90	91	88	86	86	84	83	80																			
2	99	91	84	78	95	88	82	77	84	79	75	80	76	72	76	73	70	67																			
3	90	80	72	65	87	78	70	65	74	68	63	71	65	61	67	63	59	57																			
4	82	71	62	56	80	69	61	55	66	59	54	63	57	52	60	55	51	49																			
5	76	63	54	48	73	62	53	47	59	52	46	56	50	45	54	49	44	42																			
6	70	57	48	42	68	56	47	41	53	46	40	51	45	40	49	43	39	37																			
7	65	51	43	37	63	50	42	36	48	41	36	46	40	35	45	39	35	33																			
8	60	47	38	33	58	46	38	32	44	37	32	43	36	31	41	35	31	29																			
9	56	43	35	29	55	42	34	29	41	34	29	39	33	28	38	32	28	26																			
10	53	40	32	27	51	39	31	26	38	31	26	36	30	26	35	29	25	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18645	18645	18645
5°	18453	18615	18807
10°	18367	18534	18613
15°	18272	18257	18451
20°	18152	18109	18359
25°	17928	17999	18275
30°	17738	17805	18195
35°	17507	17574	18124
40°	17228	17358	18070
45°	16836	17051	17958
50°	16416	16706	17887
55°	15906	16267	17583
60°	15137	15614	13583
65°	14028	14775	9047
70°	12598	7607	8650
75°	10490	6889	8065
80°	7407	5785	7062
85°	3006	4672	6110



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1120.1	3.2
10°-20°	3207.0	9.2
20°-30°	4879.8	14.0
30°-40°	5933.1	17.1
40°-50°	6238.4	17.9
50°-60°	5696.4	16.4
60°-70°	3651.7	10.5
70°-80°	1725.0	5.0
80°-90°	482.5	1.4
90°-100°	286.0	0.8
100°-110°	588.0	1.7
110°-120°	485.0	1.4
120°-130°	228.3	0.7
130°-140°	114.0	0.3
140°-150°	66.2	0.2
150°-160°	38.6	0.1
160°-170°	20.0	0.1
170°-180°	6.1	0.0
0°-30°	9206.9	26.5
0°-40°	15140.0	43.5
0°-60°	27074.8	77.9
0°-90°	32934.0	94.7
90°-120°	1359.0	3.9
90°-150°	1767.6	5.1
90°-180°	1832.0	5.3
0°-180°	34766.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11790	11790	11790	11790	11790	
5°	11680	11726	11786	11850	11874	###
15°	11326	11411	11324	11341	11349	3198
25°	10540	10557	10594	10610	10602	4864
35°	9421	9365	9473	9588	9562	5888
45°	7946	7931	8066	8256	8242	6142
55°	6227	6179	6388	6601	6618	5553
65°	4195	4195	4439	2547	2555	4159
75°	2073	2112	1372	1444	1450	2185
85°	271	344	428	463	438	400
90°	4	139	222	267	268	15
95°	42	136	257	340	362	115
105°	700	706	616	443	410	665
115°	488	497	503	491	478	489
125°	233	244	250	249	248	219
135°	138	140	145	147	148	109
145°	100	102	105	106	106	64
155°	80	82	83	84	84	38
165°	69	70	70	71	71	20
175°	62	62	63	63	63	6
180°	62	62	62	62	62	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11789.7	11789.7	11789.7	11789.7	11789.7
2.5°	11706.9	11746.3	11789.7	11845.5	11876.4
5°	11680.0	11725.5	11785.5	11849.7	11874.4
7.5°	11622.1	11686.0	11744.1	11789.7	11804.1
10°	11549.6	11626.3	11659.3	11655.2	11644.9
12.5°	11452.3	11533.2	11522.9	11475.1	11483.4
15°	11326.2	11410.9	11324.2	11340.7	11349.0
17.5°	11177.3	11260.1	11158.7	11191.7	11193.9
20°	11003.5	11065.6	10987.0	11013.9	11013.9
22.5°	10794.6	10838.0	10805.0	10823.6	10827.8
25°	10540.1	10556.6	10593.8	10610.5	10602.1
27.5°	10296.1	10275.4	10347.9	10387.0	10366.2
30°	10025.0	9991.9	10076.7	10140.8	10116.1
32.5°	9714.6	9694.1	9791.3	9867.7	9853.3
35°	9420.9	9365.1	9472.6	9588.5	9561.6
37.5°	9073.4	9040.3	9162.2	9284.5	9270.0
40°	8734.1	8678.3	8816.9	8961.6	8947.2
42.5°	8370.1	8303.7	8454.8	8628.8	8612.1
45°	7945.8	7931.4	8065.9	8256.2	8241.7
47.5°	7569.6	7497.1	7685.2	7869.4	7886.1
50°	7114.2	7087.5	7259.2	7482.6	7499.1
52.5°	6669.6	6651.0	6830.8	7056.4	7085.3
55°	6226.7	6179.3	6388.2	6601.3	6617.9
57.5°	5753.3	5703.5	5916.7	6148.4	6183.4
60°	5246.2	5198.6	5432.4	5647.6	4491.2
62.5°	4739.4	4706.3	4950.6	3506.5	2826.0
65°	4195.3	4195.3	4439.3	2546.6	2554.8
67.5°	3686.6	3653.5	3310.1	2287.9	2287.9
70°	3140.3	3152.8	1907.3	2004.7	2006.6
72.5°	2592.1	2637.7	1646.8	1725.2	1729.3
75°	2072.8	2112.3	1371.5	1444.0	1450.2
77.5°	1522.7	1170.9	1102.5	1158.6	1160.6
80°	1069.5	738.6	844.1	897.8	891.7
82.5°	624.7	517.1	618.5	657.9	655.8
85°	270.9	343.5	428.1	463.4	438.5
87.5°	86.7	213.1	266.8	287.5	285.4
90°	3.7	139.1	221.9	267.3	268.0
92.5°	12.1	121.6	216.7	277.7	287.1
95°	41.5	136.3	256.7	339.6	361.9
97.5°	185.6	241.6	318.7	407.2	426.2
100°	378.3	427.8	393.6	448.6	456.3
102.5°	595.6	613.3	461.6	447.7	444.2
105°	699.9	705.8	615.6	443.4	409.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	572.7	580.6	575.5	554.5	516.6
115°	487.7	497.4	502.6	490.9	477.5
117.5°	406.7	409.4	411.3	409.4	410.4
120°	339.7	346.2	349.9	347.1	345.2
122.5°	283.8	292.2	296.8	294.1	292.2
125°	232.6	243.8	250.3	249.4	247.5
127.5°	197.3	205.7	214.0	213.1	211.2
130°	171.2	177.7	183.3	184.2	185.2
132.5°	153.5	156.3	161.9	162.8	164.7
135°	137.7	140.5	145.2	147.0	148.0
137.5°	125.6	128.4	132.1	134.0	134.9
140°	115.4	118.2	121.0	122.8	123.8
142.5°	107.0	109.8	112.6	113.5	114.5
145°	100.5	102.4	105.2	106.1	106.1
147.5°	94.0	95.8	97.7	99.6	99.6
150°	88.4	90.3	92.1	93.1	94.0
152.5°	84.7	85.6	87.5	88.4	88.4
155°	80.0	81.9	82.8	83.8	83.8
157.5°	77.2	78.2	79.1	80.0	80.0
160°	74.4	74.4	75.4	76.3	76.3
162.5°	71.7	71.7	72.6	73.5	73.5
165°	68.9	69.8	69.8	70.7	70.7
167.5°	67.0	67.0	67.9	67.9	68.9
170°	65.1	65.1	66.1	66.1	66.1
172.5°	63.3	64.2	64.2	64.2	64.2
175°	62.3	62.3	63.3	63.3	63.3
177.5°	61.4	62.3	62.3	62.3	62.3
180°	62.3	62.3	62.3	62.3	62.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	706.4	716.6	671.0	517.4	424.0
110°	649.9	663.5	641.7	577.8	498.9



(END OF REPORT)