

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: P826608

Luminaire Tested: **OHBL-36SE-NL-UNV-L830-CD-UPL36**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826608
REPORT IS A COMBINATION OF REPORTS P826321 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-NL-UNV-L830-CD-UPL36
Description:
Light Source: -
Ballast/Driver: -

Summary

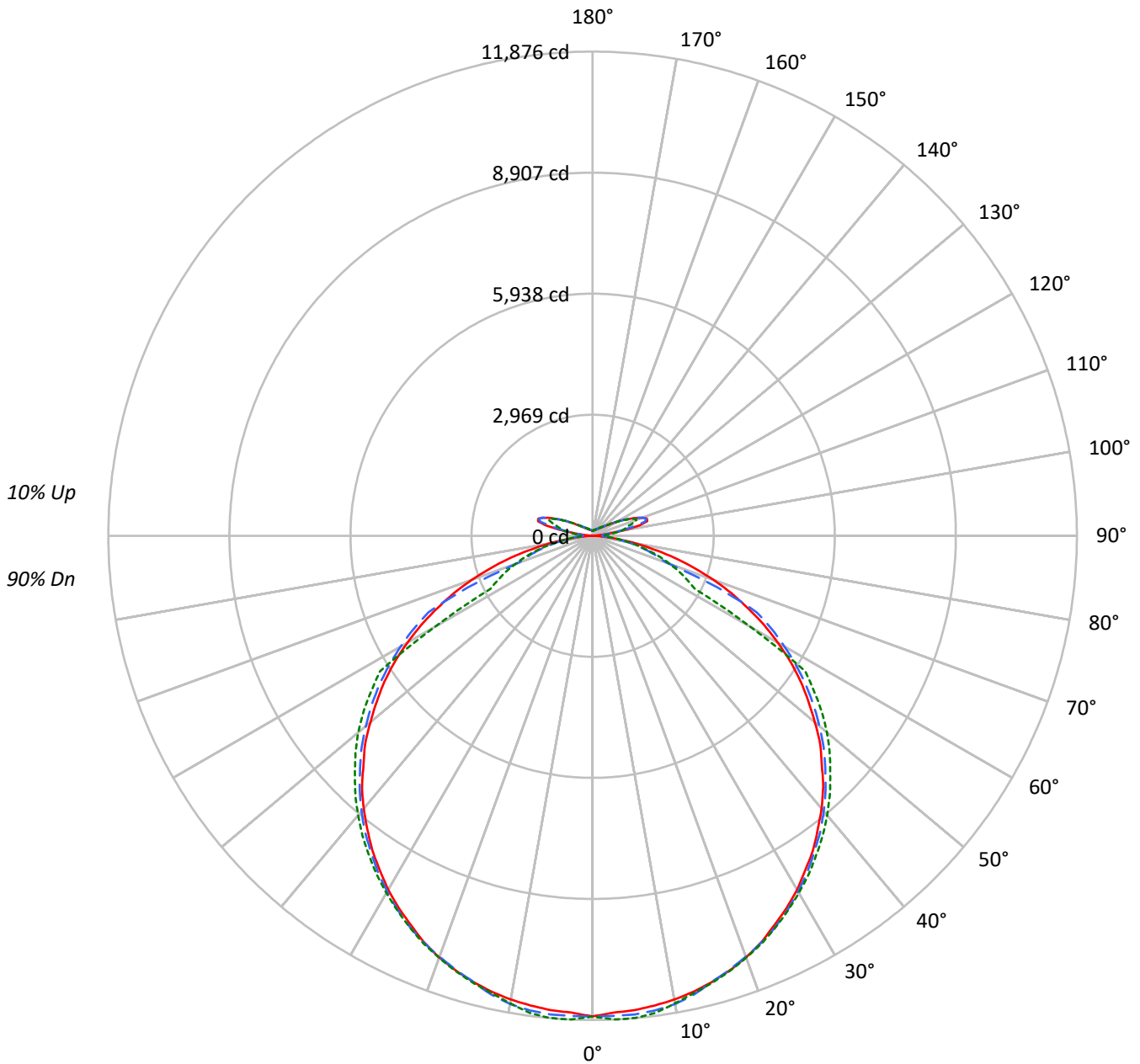
Lumens per Lamp: N/A
Luminaire Lumens: 36434.1 lumens
Efficiency: N/A
Efficacy: 151.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.1')
CIE Type: Direct

Input Watts (W): 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	90																			
1	107	103	98	95	103	99	96	92	93	90	88	88	86	83	83	81	79	77																			
2	98	90	83	78	94	87	81	76	82	77	73	77	73	70	73	70	67	64																			
3	89	79	71	65	86	77	69	64	72	66	61	68	63	59	65	60	57	54																			
4	82	70	61	55	79	68	60	54	64	58	52	61	55	51	58	53	49	46																			
5	75	62	54	47	72	61	53	47	58	51	45	55	49	44	52	47	43	40																			
6	69	56	47	41	67	55	47	41	52	45	40	49	43	38	47	42	37	35																			
7	64	51	42	36	62	50	42	36	47	40	35	45	39	34	43	37	33	31																			
8	60	46	38	32	57	45	37	32	43	36	31	41	35	30	39	34	30	28																			
9	56	42	34	29	54	41	34	29	40	33	28	38	32	27	36	31	27	25																			
10	52	39	31	26	50	38	31	26	37	30	25	35	29	25	34	28	24	22																			

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	3.1
10°-20°	3207.0	8.8
20°-30°	4879.8	13.4
30°-40°	5933.1	16.3
40°-50°	6238.4	17.1
50°-60°	5696.4	15.6
60°-70°	3651.7	10.0
70°-80°	1725.0	4.7
80°-90°	485.5	1.3
90°-100°	382.7	1.1
100°-110°	1194.2	3.3
110°-120°	969.3	2.7
120°-130°	454.2	1.2
130°-140°	230.0	0.6
140°-150°	134.4	0.4
150°-160°	78.8	0.2
160°-170°	41.0	0.1
170°-180°	12.5	0.0
0°-30°	9206.9	25.3
0°-40°	15140.0	41.6
0°-60°	27074.8	74.3
0°-90°	32937.0	90.4
90°-120°	2546.2	7.0
90°-150°	3364.8	9.2
90°-180°	3497.0	9.6
0°-180°	36434.1	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°	7	162	249	292	289	17
95°	64	175	290	380	394	218
105°	1385	1394	1323	992	897	1317
115°	969	960	974	974	952	976
125°	472	488	500	491	482	444
135°	279	286	293	296	297	221
145°	203	208	212	215	216	129
155°	164	167	169	171	171	77
165°	140	142	143	144	145	40
175°	128	128	129	129	130	12
180°	127	127	127	127	127	



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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°	7.4	161.5	248.9	292.4	289.4
92.5°	23.3	146.7	237.2	296.3	303.8
95°	63.8	175.4	290.2	379.6	394.5
97.5°	352.2	417.4	422.0	532.8	559.3
100°	751.4	801.9	658.8	702.7	723.4
102.5°	1181.0	1215.4	977.2	842.2	816.5
105°	1384.8	1394.4	1322.8	992.4	897.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1138.4	1145.4	1141.3	1131.5	1087.0
115°	968.8	959.9	973.5	973.8	952.1
117.5°	819.8	810.5	818.0	814.2	804.0
120°	689.5	689.5	698.8	685.8	678.4
122.5°	571.4	584.4	590.9	581.6	569.5
125°	471.8	488.5	499.7	491.3	482.0
127.5°	404.8	410.4	423.4	418.8	418.8
130°	348.0	355.5	365.7	367.6	365.7
132.5°	308.9	316.4	325.7	328.5	331.3
135°	279.2	285.7	293.1	295.9	296.8
137.5°	255.0	260.6	266.1	270.8	271.7
140°	234.5	240.1	245.7	249.4	249.4
142.5°	217.8	223.3	228.0	230.8	230.8
145°	202.9	207.5	212.2	215.0	215.9
147.5°	191.7	195.4	200.1	201.0	201.9
150°	181.5	184.2	188.0	189.8	190.8
152.5°	172.2	174.9	178.7	179.6	180.5
155°	163.8	166.6	169.4	171.2	171.2
157.5°	156.3	159.1	161.9	162.8	162.8
160°	150.8	152.6	155.4	155.4	156.3
162.5°	145.2	147.0	148.9	149.8	150.8
165°	140.5	142.4	143.3	144.2	145.2
167.5°	136.8	137.7	138.7	139.6	139.6
170°	133.1	134.0	134.9	134.9	135.9
172.5°	130.3	131.2	132.1	132.1	132.1
175°	128.4	128.4	129.3	129.3	130.3
177.5°	126.6	127.5	127.5	127.5	128.4
180°	126.6	126.6	126.6	126.6	126.6



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1397.8	1410.8	1385.7	1213.4	1039.1
110°	1292.9	1311.2	1295.9	1234.8	1146.5



(END OF REPORT)