

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: P827788

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827788
REPORT IS A COMBINATION OF REPORTS P826311 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-36HE-A-UNV-L930-CD-UPL36
Description:
Light Source: -
Ballast/Driver: -

Summary

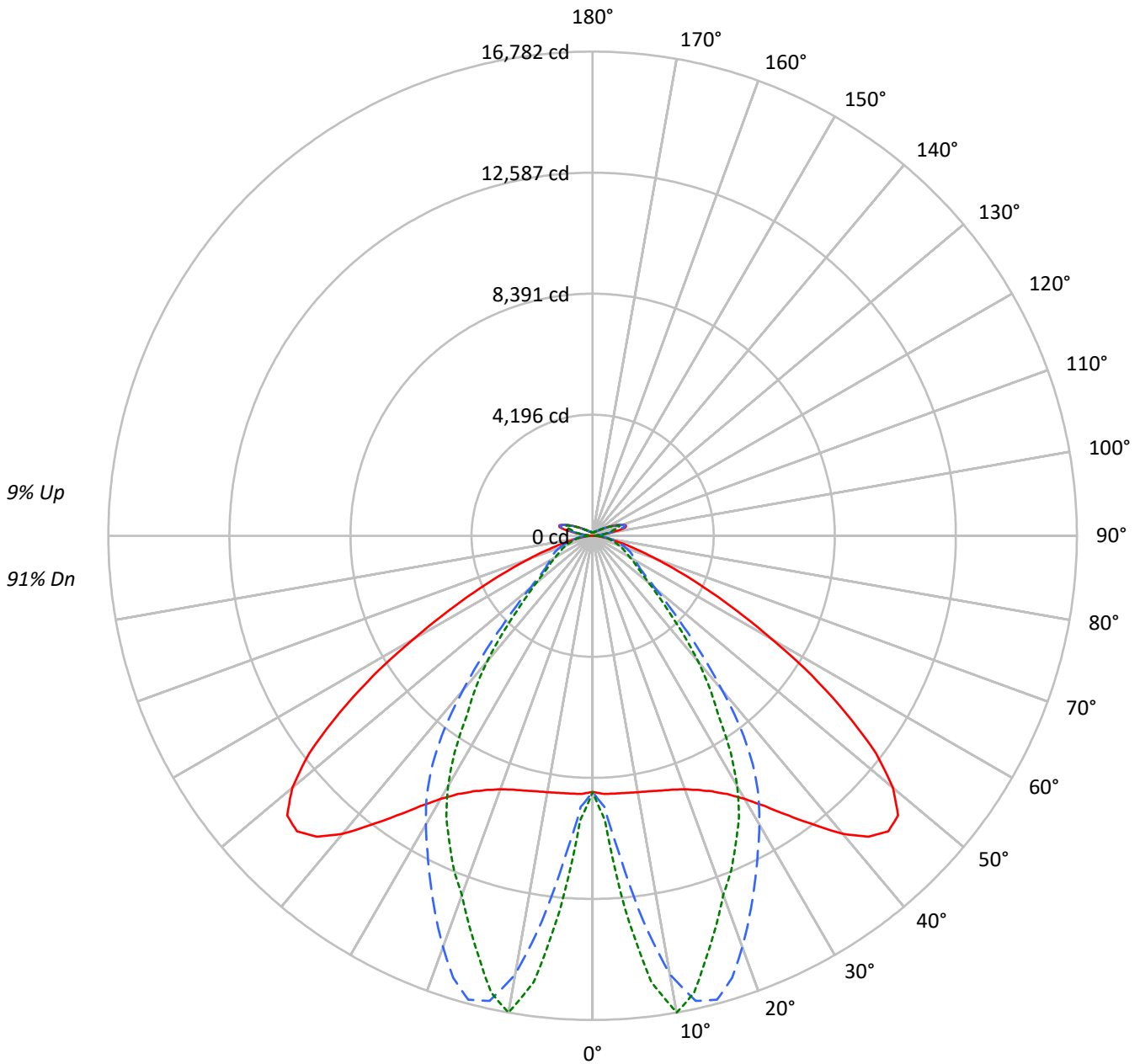
Lumens per Lamp: N/A
Luminaire Lumens: 31393.3 lumens
Efficiency: N/A
Efficacy: 130.4 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 240.8
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	100	100	100	94	94	94	91																			
1	108	104	101	98	105	101	98	95	95	93	91	90	88	86	85	84	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	90	81	75	70	77	72	68	73	69	65	70	66	63	61																			
4	86	75	68	62	83	73	66	61	70	64	59	67	62	58	64	59	56	54																			
5	80	68	60	55	77	67	59	54	64	57	53	61	55	51	58	54	50	48																			
6	74	62	54	49	72	61	53	48	58	52	47	56	50	46	53	49	45	43																			
7	69	57	49	44	67	56	48	43	53	47	42	51	46	41	49	44	40	39																			
8	65	52	45	39	63	51	44	39	49	43	38	47	42	38	46	41	37	35																			
9	60	48	41	36	59	47	40	35	46	39	35	44	38	34	42	37	34	32																			
10	57	45	38	33	55	44	37	32	42	36	32	41	35	31	40	34	31	29																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14045	14045	14045
5°	14125	17672	20588
10°	14260	24375	26742
15°	14610	26566	24544
20°	15224	24661	21935
25°	16346	22189	20064
30°	18240	19991	17841
35°	21460	17507	14217
40°	25827	13341	11314
45°	29655	9095	8053
50°	30100	6244	5956
55°	26090	4918	4866
60°	19522	4608	4378
65°	13410	4630	4147
70°	8599	4475	4016
75°	5193	4154	3843
80°	3076	3667	3965
85°	1500	3178	3676



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1159.4	3.7
10°-20°	4092.0	13.0
20°-30°	6029.8	19.2
30°-40°	6336.4	20.2
40°-50°	4848.5	15.4
50°-60°	2927.7	9.3
60°-70°	1786.6	5.7
70°-80°	975.2	3.1
80°-90°	348.5	1.1
90°-100°	222.4	0.7
100°-110°	1007.3	3.2
110°-120°	833.6	2.7
120°-130°	394.6	1.3
130°-140°	199.8	0.6
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°	11281.2	35.9
0°-40°	17617.6	56.1
0°-60°	25393.8	80.9
0°-90°	28504.0	90.8
90°-120°	2063.3	6.6
90°-150°	2774.4	8.8
90°-180°	2889.0	9.2
0°-180°	31393.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8881	8881	8881	8881	8881	
5°	8970	9623	11226	12535	13019	858
15°	9145	14243	16646	15533	15168	2600
25°	9772	16530	13289	12032	11735	4567
35°	11837	13238	9682	8063	7591	7509
45°	14488	7554	4460	3924	3760	10946
55°	10714	2561	2030	1882	1876	9467
65°	4295	1622	1494	1278	1213	4401
75°	1144	1008	925	763	732	1316
85°	170	313	369	336	305	210
90°	6	40	51	58	59	14
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°	8880.7	8880.7	8880.7	8880.7	8880.7
2.5°	8953.4	9044.8	9405.0	9779.1	9870.1
5°	8969.8	9623.3	11226.1	12535.0	13018.7
7.5°	8988.8	10560.5	13482.5	15085.0	15597.9
10°	9025.0	11745.6	15437.6	16588.1	16781.9
12.5°	9070.0	13001.2	16513.4	16471.6	16227.0
15°	9144.6	14243.0	16645.9	15533.2	15168.0
17.5°	9223.0	15293.7	16067.9	14511.8	14193.8
20°	9350.6	16073.5	15168.8	13604.0	13242.6
22.5°	9534.5	16502.4	14225.9	12782.9	12547.2
25°	9771.8	16530.2	13289.4	12031.6	11734.6
27.5°	10089.8	16146.7	12391.8	11295.5	10981.7
30°	10522.4	15412.5	11557.9	10407.8	10018.6
32.5°	11110.0	14355.7	10698.0	9336.2	8899.8
35°	11836.6	13237.6	9681.6	8062.7	7591.2
37.5°	12629.5	11996.2	8448.1	6935.1	6660.5
40°	13482.5	10717.0	6986.1	5879.8	5683.3
42.5°	14148.2	9326.2	5628.1	4886.3	4677.2
45°	14487.5	7553.6	4459.7	3924.3	3759.5
47.5°	14355.4	5863.5	3535.5	3118.1	3068.6
50°	13584.2	4329.5	2830.2	2568.6	2548.0
52.5°	12378.5	3227.0	2337.9	2176.0	2140.5
55°	10714.0	2561.4	2030.1	1881.6	1875.9
57.5°	8995.3	2176.0	1842.8	1727.8	1687.8
60°	7162.1	1940.2	1700.7	1570.9	1489.8
62.5°	5614.0	1775.3	1596.4	1420.1	1344.3
65°	4295.2	1621.5	1493.6	1278.1	1212.9
67.5°	3201.9	1474.9	1367.9	1128.8	1090.7
70°	2332.9	1324.5	1224.7	1003.9	973.7
72.5°	1662.7	1174.4	1081.6	886.6	853.4
75°	1143.6	1008.4	925.0	763.1	732.4
77.5°	771.6	839.0	770.7	651.6	638.7
80°	515.2	665.3	623.4	552.2	544.2
82.5°	312.7	482.9	492.0	448.9	427.3
85°	170.2	312.7	368.6	335.9	304.7
87.5°	66.6	173.3	254.0	228.1	214.8
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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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)