

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: P826588

Luminaire Tested: **OHBL-36HE-A-UNV-L830-CD-UPL36**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826588
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-L830-CD-UPL36
Description:
Light Source: -
Ballast/Driver: -

Summary

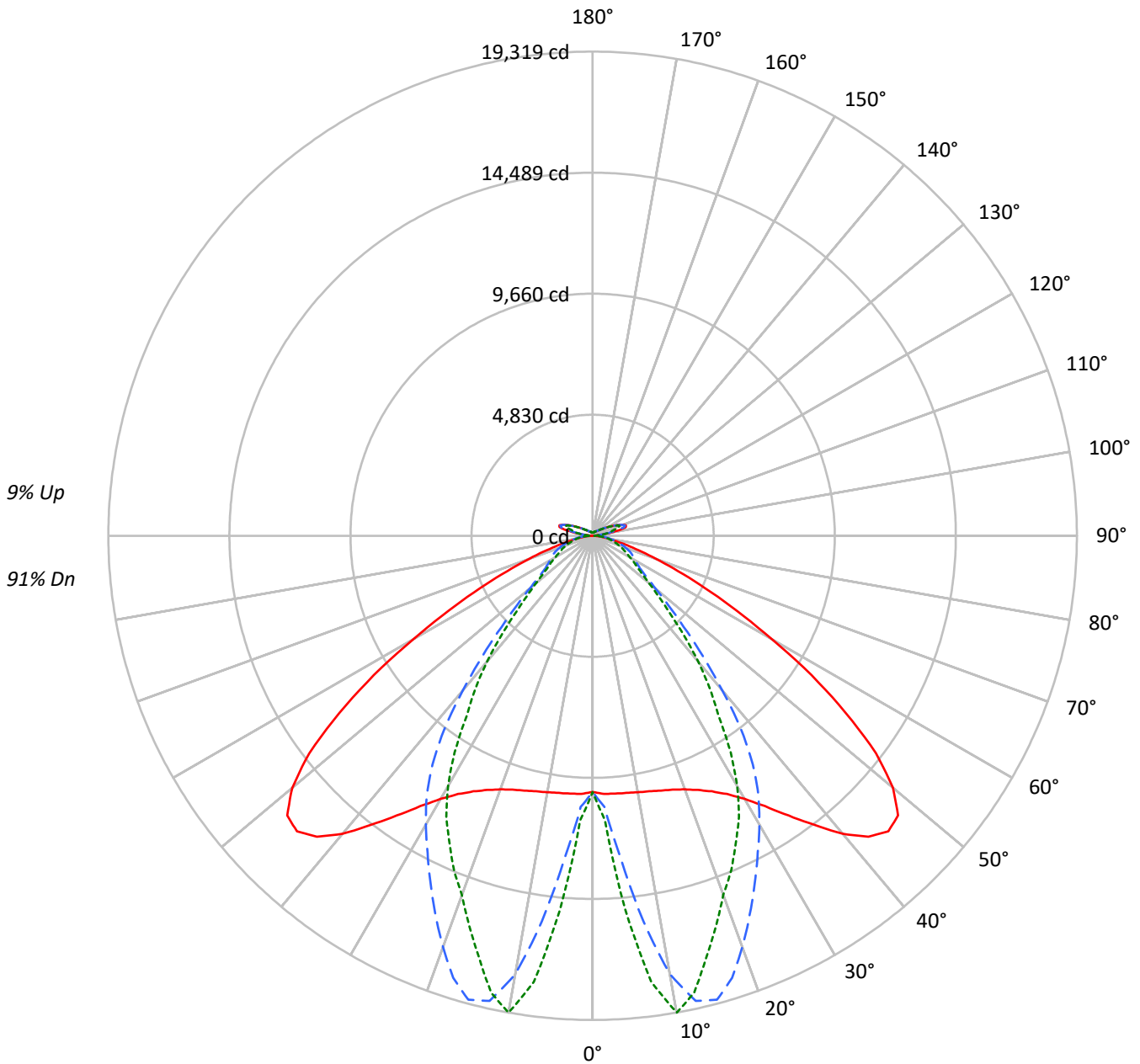
Lumens per Lamp: N/A
Luminaire Lumens: 36140.0 lumens
Efficiency: N/A
Efficacy: 150.1 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

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°	16168	16168	16168
5°	16261	20344	23701
10°	16416	28061	30785
15°	16819	30582	28255
20°	17526	28390	25252
25°	18817	25544	23098
30°	20998	23013	20539
35°	24705	20154	16367
40°	29732	15358	13025
45°	34140	10471	9271
50°	34651	7188	6857
55°	30035	5662	5602
60°	22474	5305	5040
65°	15438	5329	4774
70°	9900	5151	4623
75°	5979	4781	4424
80°	3541	4221	4564
85°	1728	3658	4231



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1334.7	3.7
10°-20°	4710.7	13.0
20°-30°	6941.5	19.2
30°-40°	7294.5	20.2
40°-50°	5581.6	15.4
50°-60°	3370.4	9.3
60°-70°	2056.7	5.7
70°-80°	1122.6	3.1
80°-90°	401.2	1.1
90°-100°	256.0	0.7
100°-110°	1159.5	3.2
110°-120°	959.7	2.7
120°-130°	454.2	1.3
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°	12986.9	35.9
0°-40°	20281.4	56.1
0°-60°	29233.4	80.9
0°-90°	32813.9	90.8
90°-120°	2375.2	6.6
90°-150°	3193.8	8.8
90°-180°	3326.0	9.2
0°-180°	36140.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10224	10224	10224	10224	10224	
5°	10326	11078	12924	14430	14987	987
15°	10527	16397	19163	17882	17461	2993
25°	11249	19030	15299	13851	13509	5257
35°	13626	15239	11145	9282	8739	8644
45°	16678	8696	5134	4518	4328	12601
55°	12334	2949	2337	2166	2160	10899
65°	4945	1867	1719	1471	1396	5067
75°	1317	1161	1065	878	843	1515
85°	196	360	424	387	351	242
90°	7	46	59	67	68	16
95°	58	115	154	195	210	215
105°	1374	1372	1290	959	866	1306
115°	958	945	953	959	950	969
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°	10223.5	10223.5	10223.5	10223.5	10223.5
2.5°	10307.2	10412.5	10827.1	11257.7	11362.5
5°	10326.1	11078.4	12923.6	14430.3	14987.2
7.5°	10348.0	12157.2	15521.1	17365.8	17956.4
10°	10389.7	13521.5	17771.8	19096.2	19319.4
12.5°	10441.4	14967.0	19010.3	18962.1	18680.6
15°	10527.3	16396.6	19162.8	17881.8	17461.4
17.5°	10617.5	17606.1	18497.4	16706.1	16340.0
20°	10764.5	18503.9	17462.3	15661.0	15244.9
22.5°	10976.2	18997.6	16376.8	14715.7	14444.4
25°	11249.3	19029.6	15298.8	13850.8	13508.9
27.5°	11615.4	18588.1	14265.5	13003.4	12642.2
30°	12113.4	17742.9	13305.5	11981.5	11533.4
32.5°	12789.8	16526.3	12315.5	10747.8	10245.4
35°	13626.3	15239.2	11145.4	9281.8	8739.0
37.5°	14539.1	13810.0	9725.4	7983.7	7667.6
40°	15521.1	12337.4	8042.4	6768.9	6542.6
42.5°	16287.4	10736.4	6479.1	5625.1	5384.4
45°	16678.1	8695.7	5134.1	4517.7	4327.9
47.5°	16525.9	6750.1	4070.1	3589.6	3532.6
50°	15638.2	4984.1	3258.2	2957.0	2933.3
52.5°	14250.2	3715.0	2691.4	2505.1	2464.2
55°	12334.0	2948.7	2337.1	2166.1	2159.5
57.5°	10355.4	2505.1	2121.4	1989.1	1943.0
60°	8245.0	2233.6	1957.9	1808.4	1715.0
62.5°	6462.9	2043.8	1837.8	1634.8	1547.5
65°	4944.7	1866.7	1719.4	1471.3	1396.3
67.5°	3686.0	1697.9	1574.7	1299.4	1255.6
70°	2685.7	1524.7	1409.9	1155.7	1120.9
72.5°	1914.1	1352.0	1245.1	1020.6	982.5
75°	1316.6	1160.9	1064.8	878.5	843.1
77.5°	888.2	965.8	887.3	750.1	735.2
80°	593.1	765.8	717.6	635.7	626.4
82.5°	359.9	555.9	566.4	516.8	491.9
85°	196.0	359.9	424.3	386.6	350.7
87.5°	76.7	199.5	292.4	262.6	247.2
90°	7.4	45.6	58.6	67.0	67.9
92.5°	23.3	55.8	71.7	89.3	94.9
95°	57.7	115.4	153.5	195.4	210.3
97.5°	348.0	374.1	324.8	388.0	410.4
100°	747.2	766.8	594.6	599.3	617.9
102.5°	1170.6	1186.5	938.0	776.1	748.2
105°	1374.4	1371.6	1289.8	959.4	866.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1126.0	1128.8	1118.5	1114.8	1085.0
115°	958.5	945.4	952.9	959.4	950.1
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°	1387.5	1390.2	1356.8	1194.8	1032.9
110°	1280.4	1292.5	1271.1	1218.1	1144.6



(END OF REPORT)