

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: P827796

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827796
REPORT IS A COMBINATION OF REPORTS P826315 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-NL-UNV-L930-CD-UPL36
Description:
Light Source: -
Ballast/Driver: -

Summary

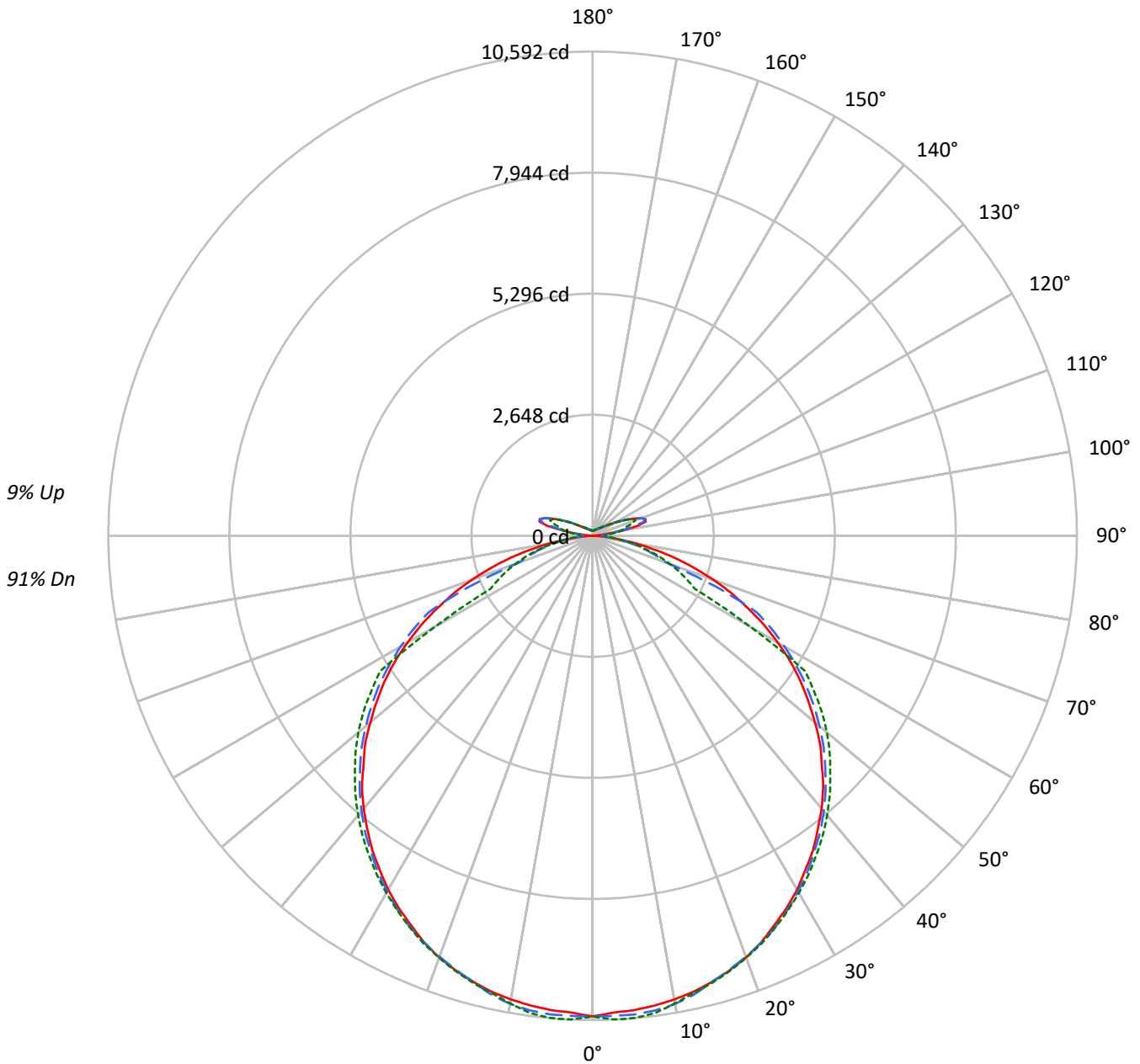
Lumens per Lamp: N/A
Luminaire Lumens: 32415.9 lumens
Efficiency: N/A
Efficacy: 134.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.1')
CIE Type: Direct

Input Watts (W): 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					20					
RC	80					70					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	50	30	10	0		
RCR																										
0	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	93	93	93	93	93	93	91		
1	107	103	99	95	103	99	96	92	93	91	88	88	86	84	83	81	79	79	79	79	79	79	79	77		
2	98	90	83	78	94	87	81	76	82	77	73	77	73	70	73	70	67	67	67	67	67	67	67	64		
3	89	79	71	65	86	77	69	64	72	66	61	68	63	59	65	61	57	57	57	57	57	57	57	54		
4	82	70	61	55	79	68	60	54	64	58	52	61	55	51	58	53	49	49	49	49	49	49	49	47		
5	75	62	54	47	72	61	53	47	58	51	45	55	49	44	52	47	43	43	43	43	43	43	43	40		
6	69	56	47	41	67	55	47	41	52	45	40	49	43	38	47	42	37	37	37	37	37	37	37	35		
7	64	51	42	36	62	50	42	36	47	40	35	45	39	34	43	37	33	33	33	33	33	33	33	31		
8	60	46	38	32	58	45	37	32	43	36	31	41	35	30	39	34	30	30	30	30	30	30	30	28		
9	56	42	34	29	54	41	34	29	40	33	28	38	32	27	36	31	27	27	27	27	27	27	27	25		
10	52	39	31	26	50	38	31	26	37	30	25	35	29	25	34	28	24	24	24	24	24	24	24	23		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16628	16628	16628
5°	16456	16602	16773
10°	16381	16529	16600
15°	16296	16282	16455
20°	16188	16150	16373
25°	15988	16052	16298
30°	15819	15879	16227
35°	15614	15674	16164
40°	15365	15480	16116
45°	15015	15207	16016
50°	14641	14899	15952
55°	14186	14507	15681
60°	13500	13925	12114
65°	12511	13177	8069
70°	11235	6784	7714
75°	9356	6145	7193
80°	6605	5159	6298
85°	2681	4168	5449



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	998.9	3.1
10°-20°	2860.1	8.8
20°-30°	4351.9	13.4
30°-40°	5291.4	16.3
40°-50°	5563.6	17.2
50°-60°	5080.2	15.7
60°-70°	3256.7	10.0
70°-80°	1538.4	4.7
80°-90°	432.8	1.3
90°-100°	335.3	1.0
100°-110°	1038.2	3.2
110°-120°	842.2	2.6
120°-130°	394.6	1.2
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°	8211.0	25.3
0°-40°	13502.3	41.7
0°-60°	24146.2	74.5
0°-90°	29374.1	90.6
90°-120°	2215.7	6.8
90°-150°	2926.8	9.0
90°-180°	3042.0	9.4
0°-180°	32415.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10514	10514	10514	10514	10514	
5°	10416	10457	10511	10568	10590	991
15°	10101	10177	10099	10114	10121	2852
25°	9400	9415	9448	9463	9455	4337
35°	8402	8352	8448	8551	8527	5251
45°	7086	7074	7193	7363	7350	5477
55°	5553	5511	5697	5887	5902	4953
65°	3742	3742	3959	2271	2278	3709
75°	1849	1884	1223	1288	1293	1949
85°	242	306	382	413	391	357
90°	6	143	221	259	256	15
95°	56	154	255	334	347	190
105°	1203	1212	1150	863	780	1144
115°	842	834	846	846	827	848
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°	10514.4	10514.4	10514.4	10514.4	10514.4
2.5°	10440.5	10475.7	10514.4	10564.2	10591.8
5°	10416.5	10457.2	10510.7	10567.9	10590.0
7.5°	10364.9	10422.0	10473.7	10514.4	10527.2
10°	10300.3	10368.7	10398.2	10394.4	10385.3
12.5°	10213.6	10285.6	10276.5	10233.9	10241.3
15°	10101.1	10176.7	10099.3	10113.9	10121.4
17.5°	9968.2	10042.1	9951.6	9981.1	9983.1
20°	9813.3	9868.6	9798.5	9822.5	9822.5
22.5°	9627.0	9665.6	9636.2	9652.8	9656.5
25°	9400.0	9414.7	9447.9	9462.8	9455.3
27.5°	9182.4	9163.9	9228.5	9263.5	9244.9
30°	8940.7	8911.1	8986.7	9044.0	9021.9
32.5°	8663.8	8645.4	8732.2	8800.4	8787.5
35°	8401.9	8352.1	8448.0	8551.4	8527.3
37.5°	8091.9	8062.4	8171.2	8280.2	8267.3
40°	7789.3	7739.5	7863.1	7992.3	7979.4
42.5°	7464.7	7405.5	7540.3	7695.4	7680.5
45°	7086.3	7073.5	7193.4	7363.1	7350.3
47.5°	6750.8	6686.1	6853.9	7018.2	7033.1
50°	6344.7	6320.8	6474.0	6673.2	6687.9
52.5°	5948.2	5931.6	6091.9	6293.1	6318.9
55°	5553.2	5510.8	5697.1	5887.3	5902.0
57.5°	5130.9	5086.6	5276.6	5483.2	5514.5
60°	4678.7	4636.4	4844.7	5036.7	4005.5
62.5°	4226.7	4197.3	4415.0	3127.2	2520.3
65°	3741.5	3741.5	3959.1	2271.1	2278.5
67.5°	3287.8	3258.3	2952.0	2040.4	2040.4
70°	2800.6	2811.8	1700.9	1787.9	1789.6
72.5°	2311.8	2352.3	1468.7	1538.6	1542.3
75°	1848.6	1883.7	1223.2	1287.8	1293.3
77.5°	1357.9	1044.2	983.3	1033.3	1035.1
80°	953.8	658.6	752.8	800.7	795.2
82.5°	557.1	461.2	551.6	586.8	584.8
85°	241.6	306.3	381.9	413.3	391.1
87.5°	77.4	190.0	237.9	256.5	254.5
90°	6.5	142.9	220.7	259.2	256.5
92.5°	20.2	129.6	209.9	262.2	268.8
95°	55.6	153.7	255.3	334.0	346.9
97.5°	306.0	363.6	368.8	466.2	489.3
100°	652.8	697.3	573.8	612.8	630.9
102.5°	1026.1	1056.4	849.8	733.2	710.8
105°	1203.1	1211.8	1149.9	862.9	780.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	989.2	995.4	991.9	983.3	944.3
115°	841.8	834.1	846.1	846.2	827.1
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°	1214.4	1226.0	1204.3	1054.5	902.7
110°	1123.4	1139.3	1126.3	1073.0	996.0



(END OF REPORT)