

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: P828096

Luminaire Tested: **OHBL-36HE-NL-UNV-L935-CD-UPL36**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P828096
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-L935-CD-UPL36
Description:
Light Source: -
Ballast/Driver: -

Summary

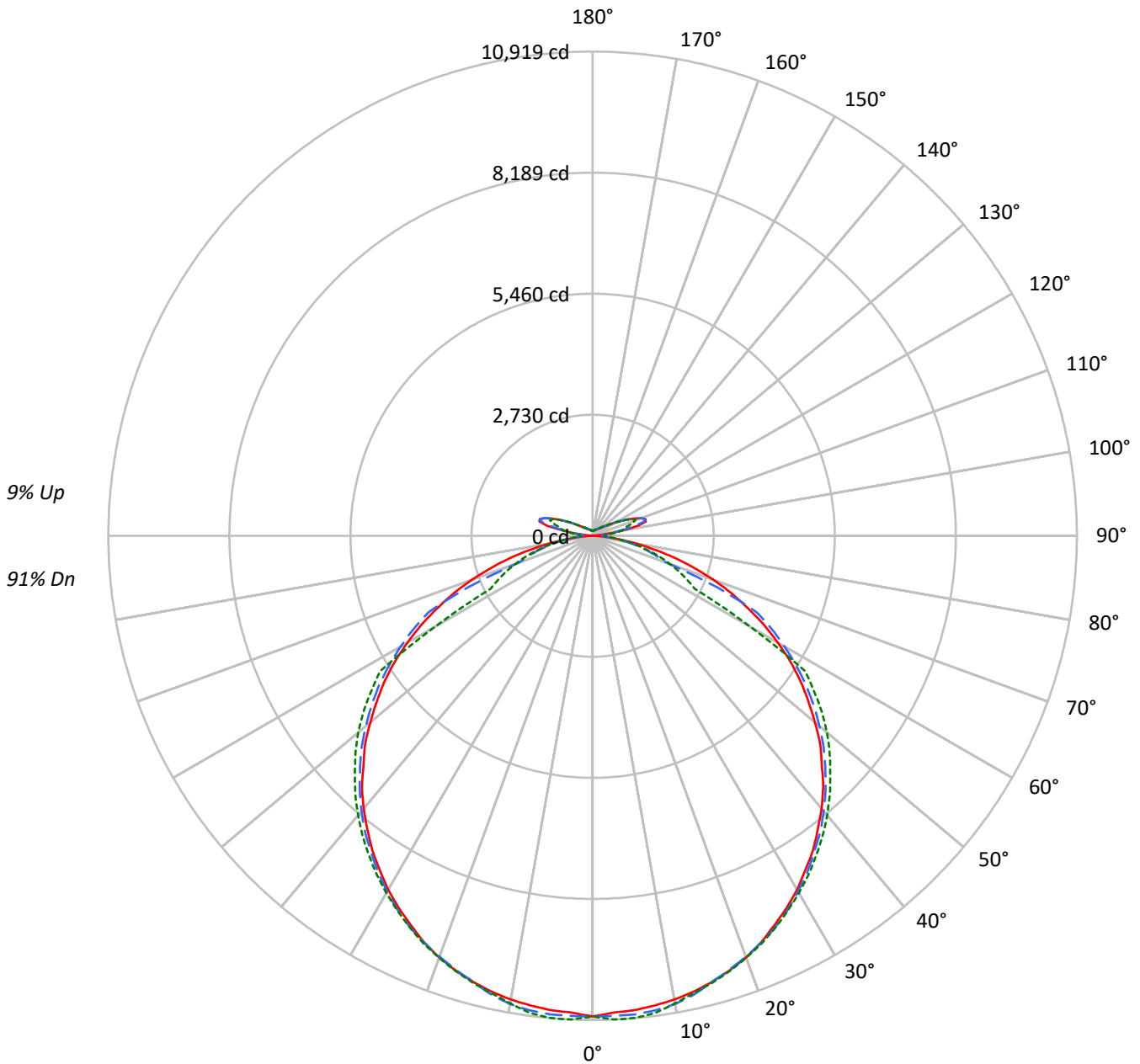
Lumens per Lamp: N/A
Luminaire Lumens: 33418.4 lumens
Efficiency: N/A
Efficacy: 138.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.1')
CIE Type: Direct

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				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	0
RCR																					
0	117	117	117	117	113	113	113	113	106	106	106	99	99	99	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	77
2	98	90	83	78	94	87	81	76	82	77	73	77	73	70	73	70	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	54
4	82	70	61	55	79	68	60	54	64	58	52	61	55	51	58	53	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	40
6	69	56	47	41	67	55	47	41	52	45	40	49	43	38	47	42	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	31
8	60	46	38	32	58	45	37	32	43	36	31	41	35	30	39	34	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	25
10	52	39	31	26	50	38	31	26	37	30	25	35	29	25	34	28	24	24	24	24	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17143	17143	17143
5°	16965	17115	17292
10°	16887	17040	17113
15°	16800	16786	16964
20°	16689	16649	16880
25°	16483	16549	16802
30°	16309	16371	16729
35°	16097	16158	16664
40°	15840	15959	16614
45°	15479	15677	16511
50°	15094	15360	16445
55°	14625	14956	16166
60°	13917	14356	12489
65°	12897	13585	8318
70°	11582	6994	7953
75°	9645	6334	7415
80°	6810	5319	6492
85°	2765	4296	5618



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1029.8	3.1
10°-20°	2948.6	8.8
20°-30°	4486.5	13.4
30°-40°	5455.0	16.3
40°-50°	5735.7	17.2
50°-60°	5237.3	15.7
60°-70°	3357.4	10.0
70°-80°	1586.0	4.7
80°-90°	446.2	1.3
90°-100°	345.7	1.0
100°-110°	1070.3	3.2
110°-120°	868.3	2.6
120°-130°	406.7	1.2
130°-140°	205.9	0.6
140°-150°	120.4	0.4
150°-160°	70.6	0.2
160°-170°	36.7	0.1
170°-180°	11.2	0.0
0°-30°	8464.9	25.3
0°-40°	13919.9	41.7
0°-60°	24893.0	74.5
0°-90°	30282.5	90.6
90°-120°	2284.3	6.8
90°-150°	3017.3	9.0
90°-180°	3136.0	9.4
0°-180°	33418.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10840	10840	10840	10840	10840	
5°	10739	10781	10836	10895	10918	###
15°	10414	10491	10412	10427	10434	2940
25°	9691	9706	9740	9755	9748	4472
35°	8662	8610	8709	8816	8791	5413
45°	7306	7292	7416	7591	7578	5647
55°	5725	5681	5873	6069	6085	5106
65°	3857	3857	4082	2341	2349	3824
75°	1906	1942	1261	1328	1333	2009
85°	249	316	394	426	403	368
90°	7	147	228	267	264	16
95°	57	158	263	344	358	195
105°	1240	1249	1185	890	804	1179
115°	868	860	872	872	853	874
125°	422	438	448	440	432	398
135°	250	256	262	265	266	198
145°	182	186	190	192	193	116
155°	147	149	152	153	153	69
165°	126	128	128	129	130	36
175°	115	115	116	116	117	11
180°	113	113	113	113	113	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10839.6	10839.6	10839.6	10839.6	10839.6
2.5°	10763.4	10799.7	10839.6	10890.9	10919.3
5°	10738.7	10780.6	10835.8	10894.8	10917.5
7.5°	10685.5	10744.3	10797.7	10839.6	10852.8
10°	10618.8	10689.3	10719.8	10715.9	10706.5
12.5°	10529.5	10603.8	10594.3	10550.4	10558.1
15°	10413.5	10491.4	10411.7	10426.8	10434.4
17.5°	10276.5	10352.7	10259.4	10289.8	10291.8
20°	10116.8	10173.8	10101.6	10126.3	10126.3
22.5°	9924.8	9964.6	9934.2	9951.3	9955.2
25°	9690.8	9705.8	9740.1	9755.4	9747.8
27.5°	9466.4	9447.3	9513.9	9550.0	9530.8
30°	9217.2	9186.8	9264.7	9323.7	9300.9
32.5°	8931.8	8912.8	9002.3	9072.6	9059.2
35°	8661.8	8610.4	8709.2	8815.8	8791.0
37.5°	8342.2	8311.8	8423.9	8536.3	8523.0
40°	8030.2	7978.9	8106.3	8239.5	8226.2
42.5°	7695.6	7634.6	7773.5	7933.4	7918.1
45°	7305.5	7292.3	7415.8	7590.8	7577.6
47.5°	6959.6	6892.9	7065.9	7235.2	7250.6
50°	6540.9	6516.3	6674.3	6879.6	6894.8
52.5°	6132.2	6115.0	6280.3	6487.8	6514.3
55°	5725.0	5681.2	5873.3	6069.3	6084.6
57.5°	5289.6	5243.9	5439.8	5652.8	5685.1
60°	4823.4	4779.8	4994.6	5192.5	4129.3
62.5°	4357.4	4327.1	4551.6	3223.9	2598.2
65°	3857.2	3857.2	4081.6	2341.3	2349.0
67.5°	3389.5	3359.1	3043.3	2103.5	2103.5
70°	2887.2	2898.8	1753.5	1843.2	1844.9
72.5°	2383.2	2425.1	1514.1	1586.2	1590.0
75°	1905.8	1942.0	1261.0	1327.7	1333.3
77.5°	1399.9	1076.5	1013.7	1065.2	1067.1
80°	983.3	679.0	776.1	825.4	819.8
82.5°	574.3	475.4	568.7	604.9	602.9
85°	249.1	315.8	393.7	426.1	403.2
87.5°	79.8	195.9	245.3	264.4	262.4
90°	6.7	147.3	227.5	267.2	264.4
92.5°	20.8	133.6	216.4	270.3	277.1
95°	57.3	158.5	263.2	344.3	357.7
97.5°	315.5	374.8	380.2	480.6	504.4
100°	673.0	718.9	591.5	631.8	650.4
102.5°	1057.8	1089.1	876.1	755.8	732.8
105°	1240.3	1249.2	1185.4	889.6	804.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1019.8	1026.2	1022.6	1013.7	973.5
115°	867.8	859.9	872.3	872.4	852.7
117.5°	734.2	725.8	732.5	729.2	720.0
120°	617.5	617.5	625.8	614.2	607.5
122.5°	511.7	523.3	529.2	520.8	510.0
125°	422.5	437.5	447.5	440.0	431.7
127.5°	362.5	367.5	379.2	375.0	375.0
130°	311.7	318.3	327.5	329.2	327.5
132.5°	276.7	283.3	291.7	294.2	296.7
135°	250.0	255.8	262.5	265.0	265.8
137.5°	228.3	233.3	238.3	242.5	243.3
140°	210.0	215.0	220.0	223.3	223.3
142.5°	195.0	200.0	204.2	206.7	206.7
145°	181.7	185.8	190.0	192.5	193.3
147.5°	171.7	175.0	179.2	180.0	180.8
150°	162.5	165.0	168.3	170.0	170.8
152.5°	154.2	156.7	160.0	160.8	161.7
155°	146.7	149.2	151.7	153.3	153.3
157.5°	140.0	142.5	145.0	145.8	145.8
160°	135.0	136.7	139.2	139.2	140.0
162.5°	130.0	131.7	133.3	134.2	135.0
165°	125.8	127.5	128.3	129.2	130.0
167.5°	122.5	123.3	124.2	125.0	125.0
170°	119.2	120.0	120.8	120.8	121.7
172.5°	116.7	117.5	118.3	118.3	118.3
175°	115.0	115.0	115.8	115.8	116.7
177.5°	113.3	114.2	114.2	114.2	115.0
180°	113.3	113.3	113.3	113.3	113.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1252.0	1263.9	1241.6	1087.1	930.7
110°	1158.2	1174.6	1161.1	1106.2	1026.8



(END OF REPORT)