

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: P828387

Luminaire Tested: **OHBL-36HE-A-UNV-L940-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828387
REPORT IS A COMBINATION OF REPORTS P826167 AND G3-2310-221-8
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36HE-A-UNV-L940-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

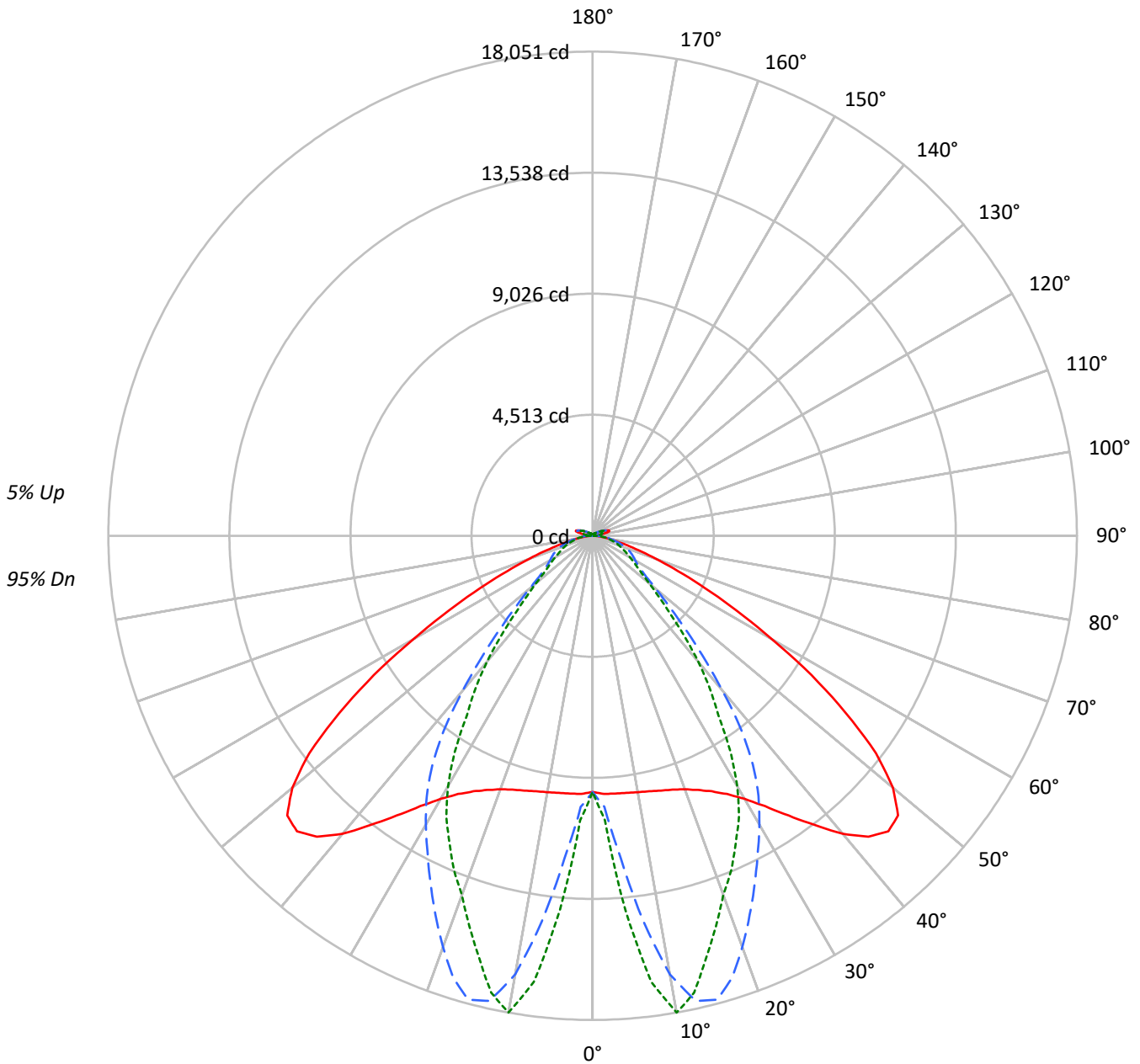
Lumens per Lamp: N/A
Luminaire Lumens: 32208.5 lumens
Efficiency: N/A
Efficacy: 143.6 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 224.3
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	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	95																			
1	109	105	102	99	106	103	100	97	98	95	93	93	91	89	89	87	86	83																			
2	101	94	88	84	98	92	87	82	88	83	80	84	80	77	80	77	75	73																			
3	94	85	78	72	91	83	76	71	79	74	69	76	71	68	73	69	66	64																			
4	87	76	69	63	84	75	68	62	72	66	61	69	64	60	66	62	58	56																			
5	81	69	61	56	78	68	61	55	65	59	54	63	57	53	61	56	52	50																			
6	75	63	55	49	73	62	54	49	60	53	48	58	52	48	56	51	47	45																			
7	70	58	50	44	68	57	49	44	55	48	43	53	47	43	51	46	42	40																			
8	65	53	45	40	64	52	45	40	51	44	39	49	43	39	48	42	38	37																			
9	61	49	42	37	60	48	41	36	47	40	36	46	40	36	44	39	35	33																			
10	58	46	38	33	56	45	38	33	44	37	33	42	37	33	41	36	32	31																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15106	15106	15106
5°	15193	19008	22144
10°	15338	26218	28763
15°	15714	28574	26400
20°	16375	26525	23593
25°	17581	23867	21581
30°	19619	21502	19190
35°	23083	18830	15292
40°	27780	14349	12170
45°	31898	9783	8662
50°	32375	6716	6406
55°	28063	5290	5234
60°	20998	4956	4709
65°	14424	4979	4460
70°	9249	4813	4319
75°	5586	4468	4133
80°	3309	3944	4264
85°	1614	3418	3954



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1247.0	3.9
10°-20°	4401.4	13.7
20°-30°	6485.7	20.1
30°-40°	6815.4	21.2
40°-50°	5215.1	16.2
50°-60°	3149.1	9.8
60°-70°	1921.7	6.0
70°-80°	1048.9	3.3
80°-90°	372.1	1.2
90°-100°	148.9	0.5
100°-110°	517.0	1.6
110°-120°	444.2	1.4
120°-130°	213.3	0.7
130°-140°	106.6	0.3
140°-150°	61.9	0.2
150°-160°	36.1	0.1
160°-170°	18.7	0.1
170°-180°	5.7	0.0
0°-30°	12134.1	37.7
0°-40°	18949.5	58.8
0°-60°	27313.6	84.8
0°-90°	30656.2	95.2
90°-120°	1110.0	3.4
90°-150°	1491.8	4.6
90°-180°	1552.0	4.8
0°-180°	32208.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9552	9552	9552	9552	9552	
5°	9648	10351	12075	13483	14003	922
15°	9836	15320	17904	16708	16315	2797
25°	10510	17780	14294	12941	12622	4912
35°	12731	14238	10414	8672	8165	8076
45°	15583	8125	4797	4221	4044	11774
55°	11524	2755	2184	2024	2018	10183
65°	4620	1744	1606	1375	1305	4734
75°	1230	1085	995	821	788	1415
85°	183	336	396	361	328	226
90°	4	22	30	39	44	12
95°	33	71	112	145	166	104
105°	644	638	544	383	354	611
115°	446	451	450	445	444	450
125°	217	228	234	233	231	204
135°	129	131	136	137	138	102
145°	94	96	98	99	99	59
155°	75	76	77	78	78	35
165°	64	65	65	66	66	18
175°	58	58	59	59	59	6
180°	58	58	58	58	58	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9552.1	9552.1	9552.1	9552.1	9552.1
2.5°	9630.3	9728.6	10116.1	10518.4	10616.3
5°	9648.0	10350.8	12074.8	13482.6	14002.9
7.5°	9668.4	11358.9	14501.8	16225.4	16777.1
10°	9707.3	12633.5	16604.7	17842.1	18050.6
12.5°	9755.7	13984.1	17761.9	17716.8	17453.8
15°	9835.9	15319.8	17904.4	16707.5	16314.7
17.5°	9920.3	16449.9	17282.6	15609.0	15266.9
20°	10057.6	17288.7	16315.6	14632.5	14243.8
22.5°	10255.4	17750.0	15301.4	13749.3	13495.8
25°	10510.5	17779.9	14294.1	12941.2	12621.7
27.5°	10852.6	17367.4	13328.7	12149.4	11811.9
30°	11317.9	16577.7	12431.7	11194.6	10776.0
32.5°	11949.9	15441.0	11506.7	10042.0	9572.6
35°	12731.4	14238.4	10413.5	8672.3	8165.1
37.5°	13584.3	12903.1	9086.7	7459.4	7164.0
40°	14501.8	11527.2	7514.3	6324.3	6113.0
42.5°	15217.8	10031.3	6053.6	5255.7	5030.8
45°	15582.8	8124.6	4796.9	4221.0	4043.7
47.5°	15440.6	6306.8	3802.8	3353.9	3300.6
50°	14611.2	4656.8	3044.2	2762.8	2740.7
52.5°	13314.3	3471.0	2514.6	2340.5	2302.4
55°	11524.0	2755.0	2183.6	2023.9	2017.7
57.5°	9675.4	2340.5	1982.1	1858.4	1815.4
60°	7703.5	2086.9	1829.3	1689.7	1602.4
62.5°	6038.5	1909.6	1717.1	1527.4	1445.9
65°	4620.0	1744.1	1606.5	1374.7	1304.6
67.5°	3444.0	1586.4	1471.3	1214.1	1173.1
70°	2509.3	1424.6	1317.3	1079.8	1047.3
72.5°	1788.4	1263.2	1163.3	953.6	918.0
75°	1230.1	1084.6	994.9	820.8	787.7
77.5°	829.9	902.4	829.0	700.9	686.9
80°	554.2	715.6	670.5	593.9	585.3
82.5°	336.3	519.4	529.2	482.9	459.6
85°	183.1	336.3	396.5	361.3	327.7
87.5°	71.6	186.4	273.2	245.4	231.0
90°	3.5	21.7	29.6	39.1	43.5
92.5°	11.3	28.7	47.8	66.1	73.0
95°	33.0	71.3	112.2	145.2	166.1
97.5°	169.5	185.2	206.9	245.2	259.1
100°	349.5	366.9	307.8	322.6	327.8
102.5°	546.9	546.0	394.7	356.5	351.3
105°	644.3	638.2	544.3	383.4	353.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	523.4	526.9	516.4	502.5	480.8
115°	446.0	451.2	450.4	445.2	444.3
117.5°	379.9	382.6	384.3	382.6	383.4
120°	317.3	323.4	326.9	324.3	322.6
122.5°	265.2	273.0	277.4	274.7	273.0
125°	217.4	227.8	233.9	233.0	231.3
127.5°	184.3	192.1	200.0	199.1	197.4
130°	160.0	166.1	171.3	172.2	173.0
132.5°	143.5	146.1	151.3	152.2	153.9
135°	128.7	131.3	135.6	137.4	138.2
137.5°	117.4	120.0	123.5	125.2	126.1
140°	107.8	110.4	113.0	114.8	115.6
142.5°	100.0	102.6	105.2	106.1	106.9
145°	93.9	95.6	98.2	99.1	99.1
147.5°	87.8	89.6	91.3	93.0	93.0
150°	82.6	84.3	86.1	86.9	87.8
152.5°	79.1	80.0	81.7	82.6	82.6
155°	74.8	76.5	77.4	78.2	78.2
157.5°	72.2	73.0	73.9	74.8	74.8
160°	69.6	69.6	70.4	71.3	71.3
162.5°	66.9	66.9	67.8	68.7	68.7
165°	64.3	65.2	65.2	66.1	66.1
167.5°	62.6	62.6	63.5	63.5	64.3
170°	60.9	60.9	61.7	61.7	61.7
172.5°	59.1	60.0	60.0	60.0	60.0
175°	58.3	58.3	59.1	59.1	59.1
177.5°	57.4	58.3	58.3	58.3	58.3
180°	58.3	58.3	58.3	58.3	58.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	650.3	650.3	599.9	466.0	390.4
110°	595.6	602.5	576.4	524.3	464.3



(END OF REPORT)