

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: P830331

Luminaire Tested: **OHBL-36HE-MFL-UNV-L730-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830331
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36HE-MFL-UNV-L730-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

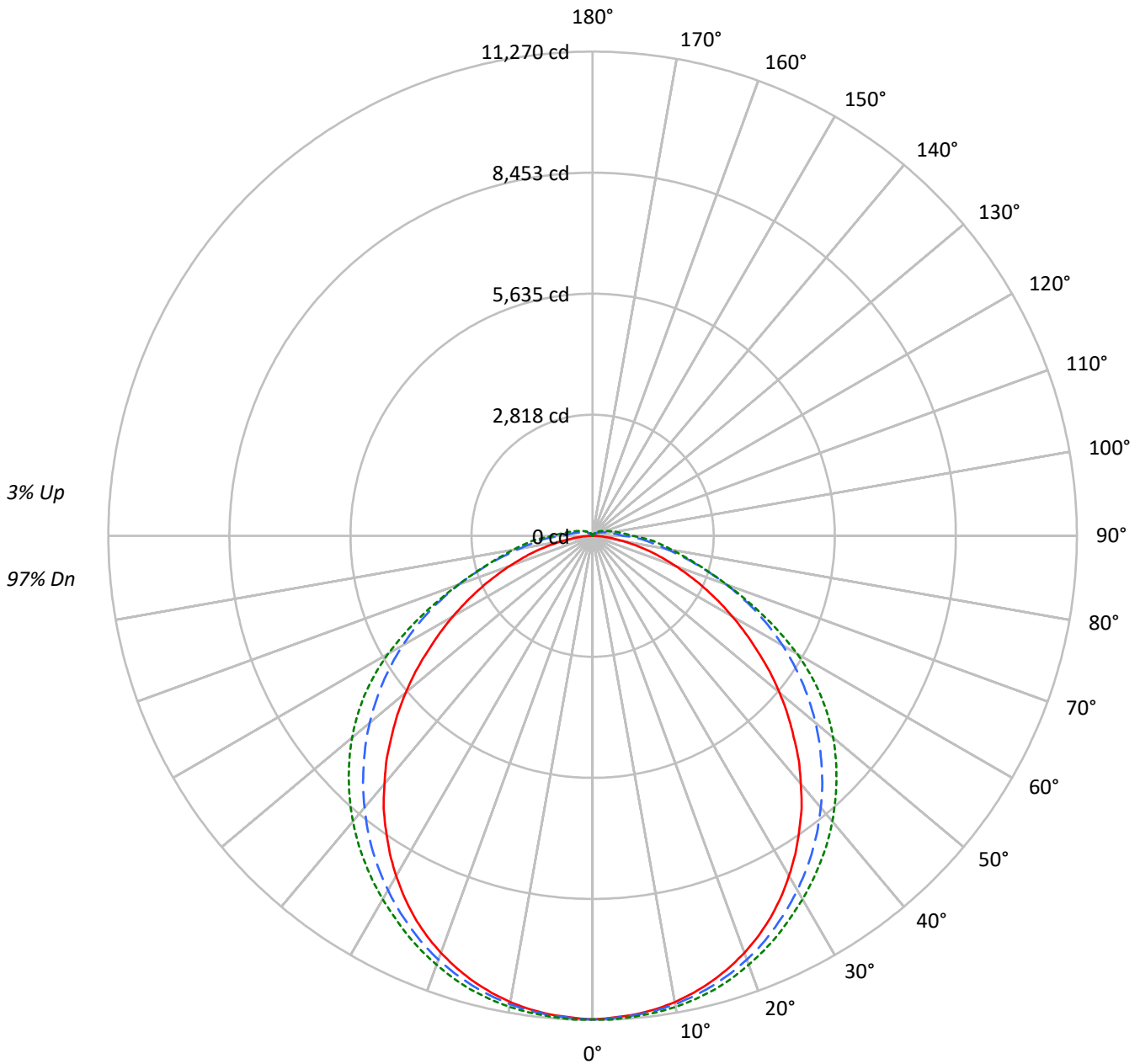
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33695.0 lumens
Efficiency: N/A
Efficacy: 158.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 212
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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	86	84	82	80
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	75	72	68	66
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	67	62	58	56
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	59	54	50	47
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	53	48	43	41
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	48	43	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	44	38	34	32
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	37	32	27	25
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17805	17805	17805
5°	17691	17637	17691
10°	17567	17481	17598
15°	17371	17295	17476
20°	17111	17068	17298
25°	16763	16783	17118
30°	16281	16475	16937
35°	15698	16148	16781
40°	14997	15769	16627
45°	14172	15358	16430
50°	13268	14942	16191
55°	12157	14433	15788
60°	11020	13833	14983
65°	9778	13067	13661
70°	8432	12091	12228
75°	7070	10963	11261
80°	5360	10147	11171
85°	3392	10547	12484



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1066.8	3.2
10°-20°	3060.5	9.1
20°-30°	4628.5	13.7
30°-40°	5556.6	16.5
40°-50°	5739.0	17.0
50°-60°	5163.3	15.3
60°-70°	3889.5	11.5
70°-80°	2348.6	7.0
80°-90°	1148.6	3.4
90°-100°	483.5	1.4
100°-110°	276.0	0.8
110°-120°	162.0	0.5
120°-130°	91.6	0.3
130°-140°	48.2	0.1
140°-150°	23.5	0.1
150°-160°	8.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	8755.8	26.0
0°-40°	14312.4	42.5
0°-60°	25214.8	74.8
0°-90°	32601.5	96.8
90°-120°	921.5	2.7
90°-150°	1084.8	3.2
90°-180°	1094.0	3.2
0°-180°	33695.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11259	11259	11259	11259	11259	
5°	11187	11217	11204	11248	11234	###
15°	10735	10787	10837	10928	10939	3027
25°	9804	9911	10052	10209	10234	4509
35°	8382	8578	8930	9200	9255	5240
45°	6616	6949	7530	7941	8026	5107
55°	4687	5172	5957	6406	6484	4202
65°	2860	3444	4216	4425	4376	2842
75°	1347	1934	2441	2505	2480	1437
85°	281	741	1223	1392	1416	325
90°	0	289	700	882	918	18
95°	14	196	524	667	692	12
105°	19	113	303	397	413	19
115°	22	63	187	251	262	23
125°	22	30	113	163	171	20
135°	19	25	58	99	110	15
145°	28	25	28	50	58	16
155°	28	30	28	25	28	9
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11258.6	11258.6	11258.6	<i>11258.6</i>	11258.6
2.5°	<i>11225.5</i>	<i>11253.1</i>	<i>11236.5</i>	<i>11272.3</i>	<i>11269.6</i>
5°	11186.9	11217.2	11203.5	<i>11247.6</i>	11233.8
7.5°	11120.8	11153.9	11151.1	<i>11200.7</i>	11195.2
10°	11024.4	11060.2	11071.2	<i>11137.3</i>	11137.3
12.5°	10892.1	10938.9	10966.5	<i>11046.4</i>	11049.2
15°	10735.0	10787.4	10837.0	<i>10927.9</i>	10938.9
17.5°	10544.9	10611.1	10679.9	<i>10784.6</i>	10798.4
20°	10330.0	10404.4	10498.1	<i>10608.3</i>	10624.8
22.5°	10082.0	10170.2	10291.4	<i>10420.9</i>	10440.2
25°	9803.7	9911.2	10051.7	<i>10208.8</i>	10233.6
27.5°	9486.8	9610.8	9801.0	<i>9977.3</i>	9999.4
30°	9142.4	9288.5	9525.4	<i>9734.8</i>	9770.7
32.5°	8778.7	8946.8	9238.9	<i>9473.1</i>	9522.7
35°	8381.9	8577.6	8930.3	<i>9200.3</i>	9255.4
37.5°	7990.7	8205.6	8605.1	<i>8913.7</i>	8979.9
40°	7533.3	7800.5	8257.9	<i>8599.6</i>	8679.5
42.5°	7103.4	7392.7	7910.8	<i>8282.7</i>	8359.9
45°	6615.7	6949.1	7530.5	<i>7941.1</i>	8026.5
47.5°	6158.3	6519.3	7164.0	<i>7588.4</i>	7676.5
50°	5676.1	6072.9	6772.8	<i>7216.4</i>	7307.3
52.5°	5193.9	5621.0	6367.7	<i>6827.9</i>	6913.3
55°	4686.9	5171.9	5957.2	<i>6406.3</i>	6483.5
57.5°	4215.8	4728.3	5535.6	<i>5962.7</i>	6009.5
60°	3750.1	4281.9	5105.8	<i>5480.5</i>	5497.0
62.5°	3295.5	3854.8	4664.9	<i>4962.5</i>	4940.4
65°	2860.1	3444.3	4215.8	<i>4425.2</i>	4375.6
67.5°	2441.3	3044.7	3755.6	<i>3890.6</i>	3824.5
70°	2044.5	2656.2	3309.2	<i>3378.1</i>	3317.5
72.5°	1694.6	2287.0	2857.4	<i>2915.2</i>	2871.1
75°	1347.4	1934.3	2441.3	<i>2504.7</i>	2479.9
77.5°	1022.3	1592.6	2058.3	<i>2140.9</i>	2146.5
80°	735.7	1281.3	1724.9	<i>1854.4</i>	1870.9
82.5°	485.0	994.7	1446.6	<i>1611.9</i>	1636.7
85°	281.1	741.2	1223.4	<i>1391.5</i>	1416.3
87.5°	121.2	534.5	983.7	<i>1135.2</i>	1165.5
90°	0.0	289.3	699.9	<i>881.7</i>	917.5
92.5°	8.3	239.7	600.7	<i>766.0</i>	796.3
95°	13.8	195.6	523.5	<i>666.8</i>	691.6
97.5°	16.5	165.3	454.6	<i>581.4</i>	606.2
100°	16.5	143.3	394.0	<i>509.7</i>	531.8
102.5°	16.5	126.7	344.4	<i>446.4</i>	465.7
105°	19.3	113.0	303.1	<i>396.8</i>	413.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	22.0	74.4	209.4	281.1	292.1
115°	22.0	63.4	187.4	250.7	261.8
117.5°	24.8	55.1	165.3	225.9	234.2
120°	24.8	46.8	146.0	201.1	212.2
122.5°	24.8	38.6	129.5	181.9	190.1
125°	22.0	30.3	113.0	162.6	170.8
127.5°	19.3	24.8	96.4	146.0	154.3
130°	19.3	22.0	82.7	129.5	137.8
132.5°	19.3	24.8	68.9	113.0	124.0
135°	19.3	24.8	57.9	99.2	110.2
137.5°	19.3	24.8	46.8	85.4	96.4
140°	22.0	24.8	38.6	71.6	82.7
142.5°	24.8	24.8	30.3	60.6	68.9
145°	27.6	24.8	27.6	49.6	57.9
147.5°	27.6	27.6	27.6	38.6	46.8
150°	27.6	30.3	27.6	30.3	38.6
152.5°	27.6	30.3	27.6	24.8	30.3
155°	27.6	30.3	27.6	24.8	27.6
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	19.3	99.2	267.3	352.7	366.5
110°	19.3	88.2	237.0	314.1	327.9



(END OF REPORT)