

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: P830763

Luminaire Tested: **OHBL-72SE-MFL-UNV-L730-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830763
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-72SE-MFL-UNV-L730-CD
Description: 72000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

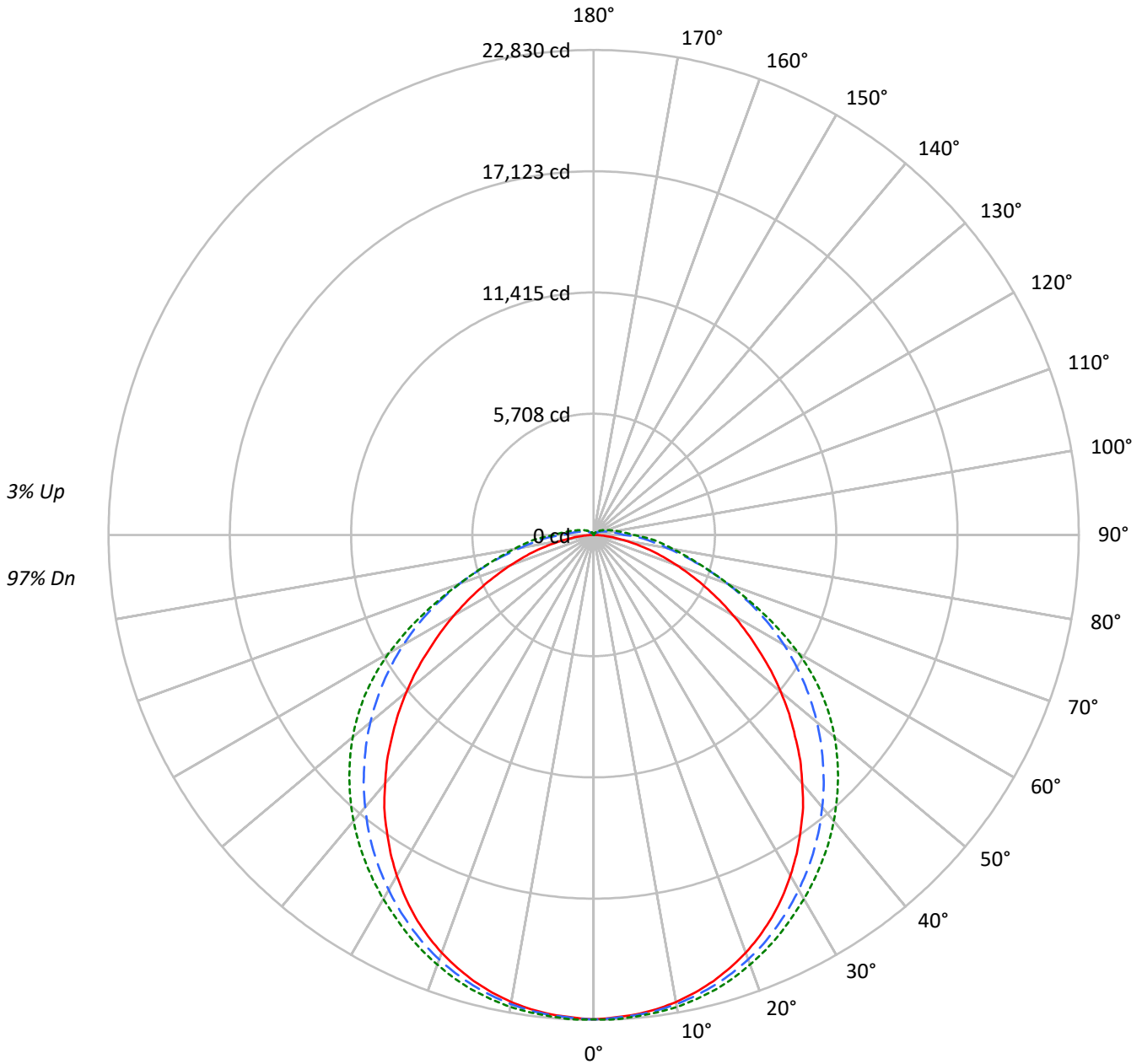
Lumens per Lamp: N/A
Luminaire Lumens: 68261.0 lumens
Efficiency: N/A
Efficacy: 165.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 413.7
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	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°	36071	36071	36071
5°	35840	35729	35838
10°	35588	35414	35650
15°	35191	35037	35404
20°	34663	34576	35044
25°	33958	34001	34678
30°	32983	33376	34312
35°	31801	32714	33995
40°	30383	31946	33683
45°	28710	31113	33285
50°	26879	30270	32801
55°	24629	29239	31984
60°	22325	28024	30354
65°	19809	26472	27675
70°	17083	24494	24773
75°	14322	22209	22813
80°	10859	20556	22632
85°	6870	21366	25291



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2161.2	3.2
10°-20°	6200.2	9.1
20°-30°	9376.7	13.7
30°-40°	11256.8	16.5
40°-50°	11626.4	17.0
50°-60°	10460.1	15.3
60°-70°	7879.5	11.5
70°-80°	4757.9	7.0
80°-90°	2327.0	3.4
90°-100°	979.5	1.4
100°-110°	559.1	0.8
110°-120°	328.2	0.5
120°-130°	185.6	0.3
130°-140°	97.7	0.1
140°-150°	47.5	0.1
150°-160°	17.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	17738.0	26.0
0°-40°	28994.8	42.5
0°-60°	51081.3	74.8
0°-90°	66045.6	96.8
90°-120°	1866.8	2.7
90°-150°	2197.7	3.2
90°-180°	2215.0	3.2
0°-180°	68261.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22808	22808	22808	22808	22808	
5°	22663	22724	22696	22786	22758	###
15°	21748	21854	21954	22138	22161	6131
25°	19861	20079	20363	20681	20732	9135
35°	16980	17377	18091	18638	18750	10615
45°	13402	14078	15256	16087	16260	10347
55°	9495	10478	12068	12978	13134	8513
65°	5794	6978	8540	8965	8864	5757
75°	2730	3919	4946	5074	5024	2912
85°	569	1502	2478	2819	2869	658
90°	0	586	1418	1786	1859	36
95°	28	396	1061	1351	1401	24
105°	39	229	614	804	837	39
115°	45	128	380	508	530	46
125°	45	61	229	329	346	40
135°	39	50	117	201	223	31
145°	56	50	56	100	117	33
155°	56	61	56	50	56	17
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°	22808.2	22808.2	22808.2	<i>22808.2</i>	22808.2
2.5°	<i>22741.2</i>	<i>22797.0</i>	<i>22763.5</i>	<i>22836.1</i>	<i>22830.5</i>
5°	22663.0	22724.4	22696.5	<i>22785.8</i>	22757.9
7.5°	22529.1	22596.1	22590.5	<i>22690.9</i>	22679.8
10°	22333.7	22406.3	22428.6	<i>22562.6</i>	22562.6
12.5°	22065.8	22160.7	22216.5	<i>22378.4</i>	22383.9
15°	21747.6	21853.6	21954.1	<i>22138.3</i>	22160.7
17.5°	21362.4	21496.4	21635.9	<i>21848.1</i>	21876.0
20°	20927.0	21077.7	21267.5	<i>21490.8</i>	21524.3
22.5°	20424.6	20603.3	20848.9	<i>21111.2</i>	21150.3
25°	19860.9	20078.6	20363.2	<i>20681.4</i>	20731.7
27.5°	19218.9	19470.1	19855.3	<i>20212.5</i>	20257.2
30°	18521.2	18817.0	19297.1	<i>19721.3</i>	19793.9
32.5°	17784.3	18124.8	18716.5	<i>19191.0</i>	19291.5
35°	16980.5	17376.9	18091.4	<i>18638.4</i>	18750.0
37.5°	16187.9	16623.3	17432.7	<i>18057.9</i>	18191.8
40°	15261.3	15802.7	16729.3	<i>17421.5</i>	17583.4
42.5°	14390.5	14976.6	16026.0	<i>16779.6</i>	16935.9
45°	13402.5	14077.9	15255.7	<i>16087.4</i>	16260.5
47.5°	12475.8	13207.1	14513.3	<i>15372.9</i>	15551.5
50°	11499.0	12302.8	13720.6	<i>14619.3</i>	14803.5
52.5°	10522.1	11387.3	12900.1	<i>13832.3</i>	14005.3
55°	9495.0	10477.5	12068.3	<i>12978.2</i>	13134.5
57.5°	8540.5	9578.8	11214.3	<i>12079.5</i>	12174.4
60°	7597.1	8674.5	10343.5	<i>11102.7</i>	11136.1
62.5°	6676.1	7809.3	9450.4	<i>10053.2</i>	10008.6
65°	5794.1	6977.5	8540.5	<i>8964.7</i>	8864.3
67.5°	4945.7	6168.1	7608.3	<i>7881.8</i>	7747.9
70°	4141.9	5381.1	6704.0	<i>6843.6</i>	6720.8
72.5°	3432.9	4633.1	5788.6	<i>5905.8</i>	5816.5
75°	2729.6	3918.6	4945.7	<i>5074.1</i>	5023.8
77.5°	2070.9	3226.4	4169.8	<i>4337.2</i>	4348.4
80°	1490.4	2595.6	3494.4	<i>3756.7</i>	3790.2
82.5°	982.4	2015.1	2930.6	<i>3265.5</i>	3315.7
85°	569.4	1501.6	2478.4	<i>2818.9</i>	2869.2
87.5°	245.6	1082.9	1992.8	<i>2299.8</i>	2361.2
90°	0.0	586.1	1417.8	<i>1786.2</i>	1858.8
92.5°	16.7	485.6	1216.9	<i>1551.8</i>	1613.2
95°	27.9	396.3	1060.6	<i>1350.9</i>	1401.1
97.5°	33.5	334.9	921.0	<i>1177.8</i>	1228.0
100°	33.5	290.3	798.2	<i>1032.7</i>	1077.3
102.5°	33.5	256.8	697.8	<i>904.3</i>	943.4
105°	39.1	228.9	614.0	<i>803.8</i>	837.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	44.7	150.7	424.2	569.4	591.7
115°	44.7	128.4	379.6	508.0	530.3
117.5°	50.2	111.6	334.9	457.7	474.5
120°	50.2	94.9	295.8	407.5	429.8
122.5°	50.2	78.1	262.4	368.4	385.2
125°	44.7	61.4	228.9	329.3	346.1
127.5°	39.1	50.2	195.4	295.8	312.6
130°	39.1	44.7	167.5	262.4	279.1
132.5°	39.1	50.2	139.6	228.9	251.2
135°	39.1	50.2	117.2	201.0	223.3
137.5°	39.1	50.2	94.9	173.0	195.4
140°	44.7	50.2	78.1	145.1	167.5
142.5°	50.2	50.2	61.4	122.8	139.6
145°	55.8	50.2	55.8	100.5	117.2
147.5°	55.8	55.8	55.8	78.1	94.9
150°	55.8	61.4	55.8	61.4	78.1
152.5°	55.8	61.4	55.8	50.2	61.4
155°	55.8	61.4	55.8	50.2	55.8
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°	39.1	201.0	541.5	714.5	742.4
110°	39.1	178.6	480.1	636.4	664.3



(END OF REPORT)