

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: P830691

Luminaire Tested: **OHBL-60SE-MFL-UNV-L730-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830691
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-60SE-MFL-UNV-L730-CD
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

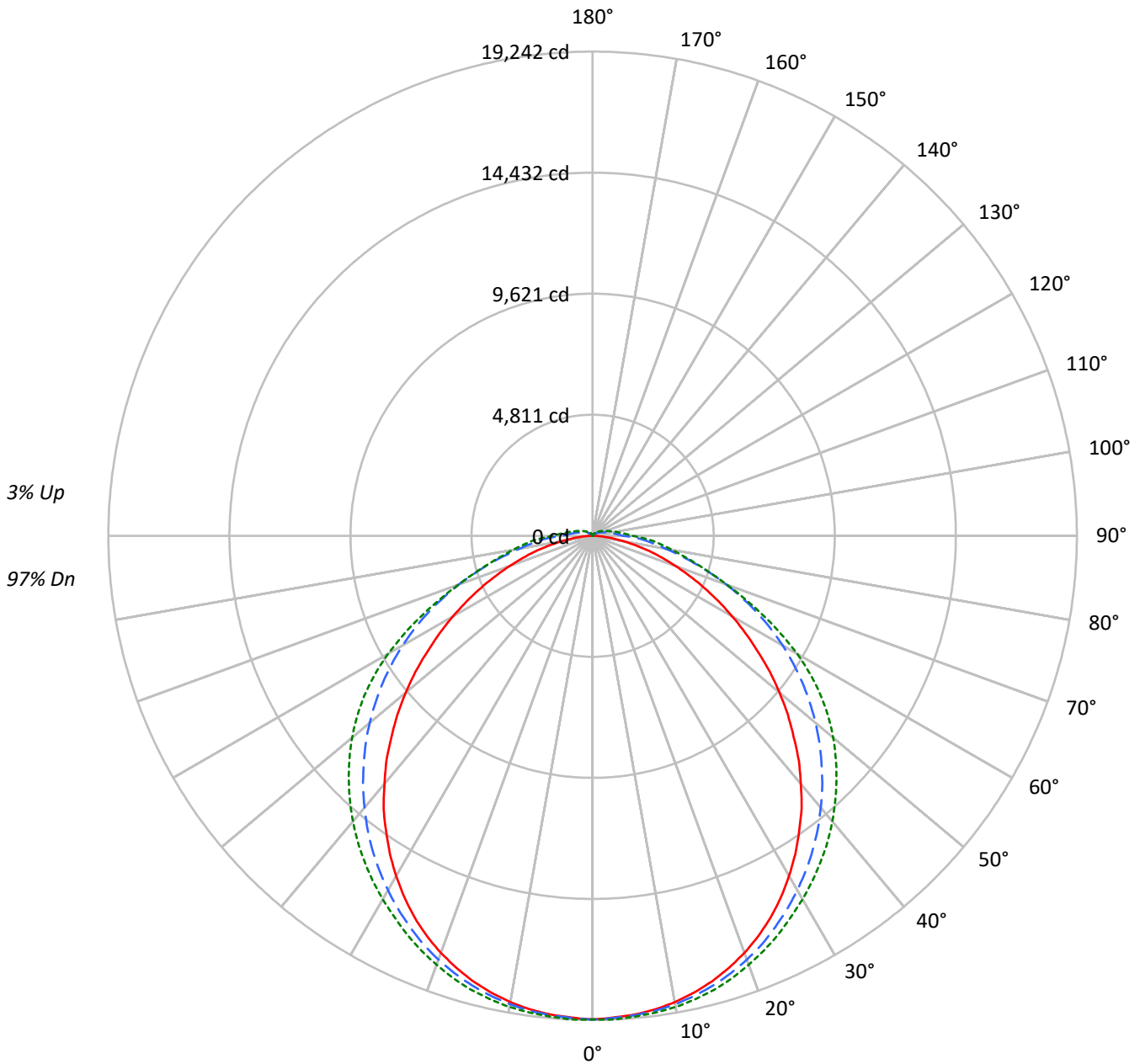
Lumens per Lamp: N/A
Luminaire Lumens: 57531.0 lumens
Efficiency: N/A
Efficacy: 158.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 362
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	109	109	109	104	104	104	99	99	99	99	99	97																	
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	82	82	80																	
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	68	68	66																	
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	58	58	56																	
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	50	50	47																	
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	43	43	41																	
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	38	38	36																	
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	34	34	32																	
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	30	30	28																	
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	27	27	25																	
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	25	25	23																	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	32833	32833	32833
5°	32622	32507	32600
10°	32394	32206	32408
15°	32032	31848	32164
20°	31552	31415	31815
25°	30910	30876	31461
30°	30022	30294	31105
35°	28947	29675	30793
40°	27655	28961	30483
45°	26132	28185	30093
50°	24466	27400	29621
55°	22418	26440	28844
60°	20321	25312	27327
65°	18031	23873	24861
70°	15549	22044	22189
75°	13036	19929	20347
80°	9884	18359	20048
85°	6253	18910	22111



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1821.5	3.2
10°-20°	5225.6	9.1
20°-30°	7902.7	13.7
30°-40°	9487.3	16.5
40°-50°	9798.9	17.0
50°-60°	8815.9	15.3
60°-70°	6640.9	11.5
70°-80°	4010.0	7.0
80°-90°	1961.2	3.4
90°-100°	825.5	1.4
100°-110°	471.2	0.8
110°-120°	276.6	0.5
120°-130°	156.4	0.3
130°-140°	82.4	0.1
140°-150°	40.0	0.1
150°-160°	14.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	14949.8	26.0
0°-40°	24437.1	42.5
0°-60°	43051.8	74.8
0°-90°	55663.9	96.8
90°-120°	1573.4	2.7
90°-150°	1852.2	3.2
90°-180°	1867.0	3.2
0°-180°	57531.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19223	19223	19223	19223	19223	
5°	19101	19152	19129	19204	19181	###
15°	18329	18418	18503	18658	18677	5168
25°	16739	16922	17162	17430	17473	7699
35°	14311	14645	15248	15709	15803	8947
45°	11296	11865	12858	13559	13704	8721
55°	8002	8830	10171	10938	11070	7175
65°	4883	5881	7198	7556	7471	4852
75°	2300	3303	4168	4276	4234	2454
85°	480	1266	2089	2376	2418	554
90°	0	494	1195	1506	1567	30
95°	24	334	894	1138	1181	20
105°	33	193	518	678	706	33
115°	38	108	320	428	447	38
125°	38	52	193	278	292	34
135°	33	42	99	169	188	26
145°	47	42	47	85	99	28
155°	47	52	47	42	47	14
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°	19222.9	19222.9	19222.9	19222.9	19222.9
2.5°	19166.5	19213.5	19185.3	19246.5	19241.8
5°	19100.6	19152.4	19128.8	19204.1	19180.6
7.5°	18987.7	19044.2	19039.5	19124.1	19114.7
10°	18823.0	18884.2	18903.0	19015.9	19015.9
12.5°	18597.2	18677.2	18724.3	18860.7	18865.4
15°	18329.1	18418.5	18503.1	18658.4	18677.2
17.5°	18004.5	18117.4	18235.0	18413.7	18437.3
20°	17637.5	17764.5	17924.5	18112.7	18140.9
22.5°	17214.1	17364.6	17571.6	17792.7	17825.7
25°	16738.9	16922.4	17162.3	17430.5	17472.8
27.5°	16197.9	16409.6	16734.2	17035.3	17072.9
30°	15609.8	15859.2	16263.8	16621.3	16682.5
32.5°	14988.8	15275.8	15774.5	16174.4	16259.0
35°	14311.4	14645.4	15247.6	15708.6	15802.7
37.5°	13643.3	14010.3	14692.4	15219.3	15332.2
40°	12862.3	13318.7	14099.6	14683.0	14819.4
42.5°	12128.4	12622.4	13506.9	14142.0	14273.7
45°	11295.7	11865.0	12857.6	13558.6	13704.5
47.5°	10514.7	11131.1	12231.9	12956.4	13107.0
50°	9691.4	10368.9	11563.9	12321.3	12476.6
52.5°	8868.1	9597.4	10872.3	11658.0	11803.8
55°	8002.5	8830.5	10171.3	10938.2	11069.9
57.5°	7198.0	8073.1	9451.5	10180.7	10260.7
60°	6402.9	7310.9	8717.6	9357.4	9385.6
62.5°	5626.7	6581.7	7964.9	8473.0	8435.3
65°	4883.4	5880.7	7198.0	7555.6	7470.9
67.5°	4168.3	5198.6	6412.4	6642.9	6530.0
70°	3490.8	4535.2	5650.2	5767.8	5664.3
72.5°	2893.3	3904.8	4878.7	4977.5	4902.2
75°	2300.5	3302.6	4168.3	4276.5	4234.1
77.5°	1745.4	2719.3	3514.3	3655.5	3664.9
80°	1256.1	2187.6	2945.1	3166.2	3194.4
82.5°	828.0	1698.4	2469.9	2752.2	2794.5
85°	479.9	1265.5	2088.8	2375.8	2418.2
87.5°	207.0	912.7	1679.5	1938.3	1990.0
90°	0.0	494.0	1195.0	1505.5	1566.6
92.5°	14.1	409.3	1025.6	1307.9	1359.6
95°	23.5	334.0	893.9	1138.5	1180.9
97.5°	28.2	282.3	776.3	992.7	1035.0
100°	28.2	244.6	672.8	870.3	908.0
102.5°	28.2	216.4	588.1	762.1	795.1
105°	32.9	192.9	517.5	677.5	705.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	37.6	127.0	357.5	479.9	498.7
115°	37.6	108.2	319.9	428.1	446.9
117.5°	42.3	94.1	282.3	385.8	399.9
120°	42.3	80.0	249.3	343.4	362.3
122.5°	42.3	65.9	221.1	310.5	324.6
125°	37.6	51.8	192.9	277.6	291.7
127.5°	32.9	42.3	164.7	249.3	263.5
130°	32.9	37.6	141.1	221.1	235.2
132.5°	32.9	42.3	117.6	192.9	211.7
135°	32.9	42.3	98.8	169.4	188.2
137.5°	32.9	42.3	80.0	145.8	164.7
140°	37.6	42.3	65.9	122.3	141.1
142.5°	42.3	42.3	51.8	103.5	117.6
145°	47.0	42.3	47.0	84.7	98.8
147.5°	47.0	47.0	47.0	65.9	80.0
150°	47.0	51.8	47.0	51.8	65.9
152.5°	47.0	51.8	47.0	42.3	51.8
155°	47.0	51.8	47.0	42.3	47.0
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°	32.9	169.4	456.3	602.2	625.7
110°	32.9	150.5	404.6	536.3	559.8



(END OF REPORT)