

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: P830619

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830619
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-60HE-MFL-UNV-L730-CD
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

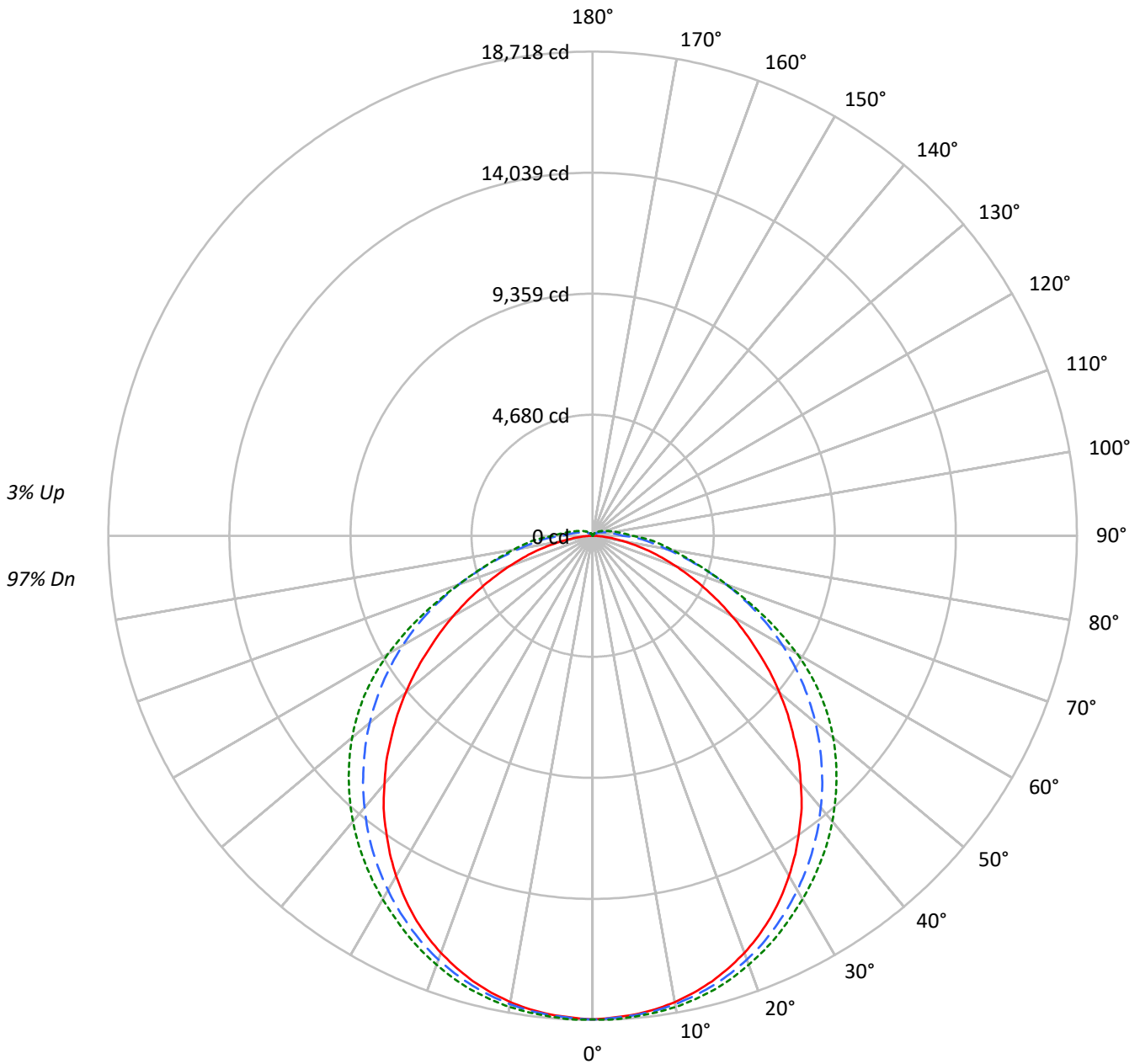
Lumens per Lamp: N/A
Luminaire Lumens: 55965.0 lumens
Efficiency: N/A
Efficacy: 165.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 338
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°	29573	29573	29573
5°	29384	29293	29383
10°	29178	29035	29229
15°	28852	28726	29027
20°	28419	28348	28731
25°	27841	27876	28432
30°	27041	27364	28131
35°	26073	26821	27871
40°	24910	26192	27616
45°	23538	25508	27289
50°	22037	24818	26893
55°	20193	23972	26223
60°	18303	22976	24886
65°	16241	21704	22689
70°	14006	20082	20310
75°	11742	18208	18703
80°	8902	16853	18555
85°	5632	17518	20735



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1771.9	3.2
10°-20°	5083.3	9.1
20°-30°	7687.6	13.7
30°-40°	9229.1	16.5
40°-50°	9532.1	17.0
50°-60°	8575.9	15.3
60°-70°	6460.1	11.5
70°-80°	3900.8	7.0
80°-90°	1907.8	3.4
90°-100°	803.0	1.4
100°-110°	458.4	0.8
110°-120°	269.1	0.5
120°-130°	152.2	0.3
130°-140°	80.1	0.1
140°-150°	39.0	0.1
150°-160°	14.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	14542.8	26.0
0°-40°	23771.9	42.5
0°-60°	41879.9	74.8
0°-90°	54148.7	96.8
90°-120°	1530.5	2.7
90°-150°	1801.8	3.2
90°-180°	1816.0	3.2
0°-180°	55965.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18700	18700	18700	18700	18700	
5°	18581	18631	18608	18681	18658	###
15°	17830	17917	18000	18150	18169	5027
25°	16283	16462	16695	16956	16997	7490
35°	13922	14247	14832	15281	15373	8703
45°	10988	11542	12508	13190	13331	8483
55°	7785	8590	9894	10640	10769	6980
65°	4750	5721	7002	7350	7268	4720
75°	2238	3213	4055	4160	4119	2387
85°	467	1231	2032	2311	2352	539
90°	0	480	1162	1464	1524	29
95°	23	325	870	1108	1149	19
105°	32	188	503	659	686	32
115°	37	105	311	416	435	37
125°	37	50	188	270	284	33
135°	32	41	96	165	183	25
145°	46	41	46	82	96	27
155°	46	50	46	41	46	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°	18699.7	18699.7	18699.7	<i>18699.7</i>	18699.7
2.5°	<i>18644.8</i>	<i>18690.5</i>	<i>18663.1</i>	<i>18722.6</i>	<i>18718.0</i>
5°	18580.7	18631.0	18608.2	<i>18681.4</i>	18658.5
7.5°	18470.9	18525.8	18521.2	<i>18603.6</i>	18594.4
10°	18310.7	18370.2	18388.5	<i>18498.3</i>	18498.3
12.5°	18091.0	18168.8	18214.6	<i>18347.3</i>	18351.9
15°	17830.1	17917.1	17999.5	<i>18150.5</i>	18168.8
17.5°	17514.4	17624.2	17738.6	<i>17912.5</i>	17935.4
20°	17157.4	17281.0	17436.6	<i>17619.6</i>	17647.1
22.5°	16745.5	16892.0	17093.3	<i>17308.4</i>	17340.5
25°	16283.3	16461.8	16695.2	<i>16956.0</i>	16997.2
27.5°	15757.0	15962.9	16278.7	<i>16571.6</i>	16608.2
30°	15184.9	15427.5	15821.1	<i>16168.9</i>	16228.4
32.5°	14580.8	14860.0	15345.1	<i>15734.1</i>	15816.5
35°	13921.8	14246.7	14832.5	<i>15281.0</i>	15372.6
37.5°	13271.9	13628.9	14292.5	<i>14805.1</i>	14914.9
40°	12512.2	12956.1	13715.8	<i>14283.3</i>	14416.1
42.5°	11798.3	12278.8	13139.2	<i>13757.0</i>	13885.2
45°	10988.2	11542.0	12507.6	<i>13189.5</i>	13331.4
47.5°	10228.5	10828.1	11899.0	<i>12603.8</i>	12750.2
50°	9427.6	10086.7	11249.1	<i>11985.9</i>	12136.9
52.5°	8626.8	9336.1	10576.4	<i>11340.6</i>	11482.5
55°	7784.7	8590.1	9894.5	<i>10640.4</i>	10768.6
57.5°	7002.1	7853.3	9194.2	<i>9903.6</i>	9981.4
60°	6228.7	7111.9	8480.3	<i>9102.7</i>	9130.2
62.5°	5473.5	6402.6	7748.1	<i>8242.3</i>	8205.7
65°	4750.4	5720.7	7002.1	<i>7349.9</i>	7267.5
67.5°	4054.8	5057.1	6237.8	<i>6462.1</i>	6352.2
70°	3395.8	4411.8	5496.4	<i>5610.8</i>	5510.1
72.5°	2814.6	3798.5	4745.9	<i>4842.0</i>	4768.7
75°	2237.9	3212.7	4054.8	<i>4160.1</i>	4118.9
77.5°	1697.9	2645.2	3418.7	<i>3556.0</i>	3565.1
80°	1221.9	2128.1	2864.9	<i>3080.0</i>	3107.5
82.5°	805.5	1652.1	2402.7	<i>2677.3</i>	2718.5
85°	466.8	1231.1	2032.0	<i>2311.1</i>	2352.3
87.5°	201.4	887.8	1633.8	<i>1885.5</i>	1935.9
90°	0.0	480.5	1162.4	<i>1464.5</i>	1524.0
92.5°	13.7	398.2	997.7	<i>1272.3</i>	1322.6
95°	22.9	324.9	869.5	<i>1107.5</i>	1148.7
97.5°	27.5	274.6	755.1	<i>965.6</i>	1006.8
100°	27.5	238.0	654.4	<i>846.7</i>	883.3
102.5°	27.5	210.5	572.1	<i>741.4</i>	773.4
105°	32.0	187.6	503.4	<i>659.0</i>	686.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	36.6	123.6	347.8	466.8	485.1
115°	36.6	105.3	311.2	416.5	434.8
117.5°	41.2	91.5	274.6	375.3	389.0
120°	41.2	77.8	242.6	334.1	352.4
122.5°	41.2	64.1	215.1	302.1	315.8
125°	36.6	50.3	187.6	270.0	283.7
127.5°	32.0	41.2	160.2	242.6	256.3
130°	32.0	36.6	137.3	215.1	228.8
132.5°	32.0	41.2	114.4	187.6	205.9
135°	32.0	41.2	96.1	164.8	183.1
137.5°	32.0	41.2	77.8	141.9	160.2
140°	36.6	41.2	64.1	119.0	137.3
142.5°	41.2	41.2	50.3	100.7	114.4
145°	45.8	41.2	45.8	82.4	96.1
147.5°	45.8	45.8	45.8	64.1	77.8
150°	45.8	50.3	45.8	50.3	64.1
152.5°	45.8	50.3	45.8	41.2	50.3
155°	45.8	50.3	45.8	41.2	45.8
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°	32.0	164.8	443.9	585.8	608.7
110°	32.0	146.4	393.6	521.7	544.6



(END OF REPORT)