

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: P830705

Luminaire Tested: **OHBL-60SE-N-UNV-L740-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830705
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-60SE-N-UNV-L740-CD
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

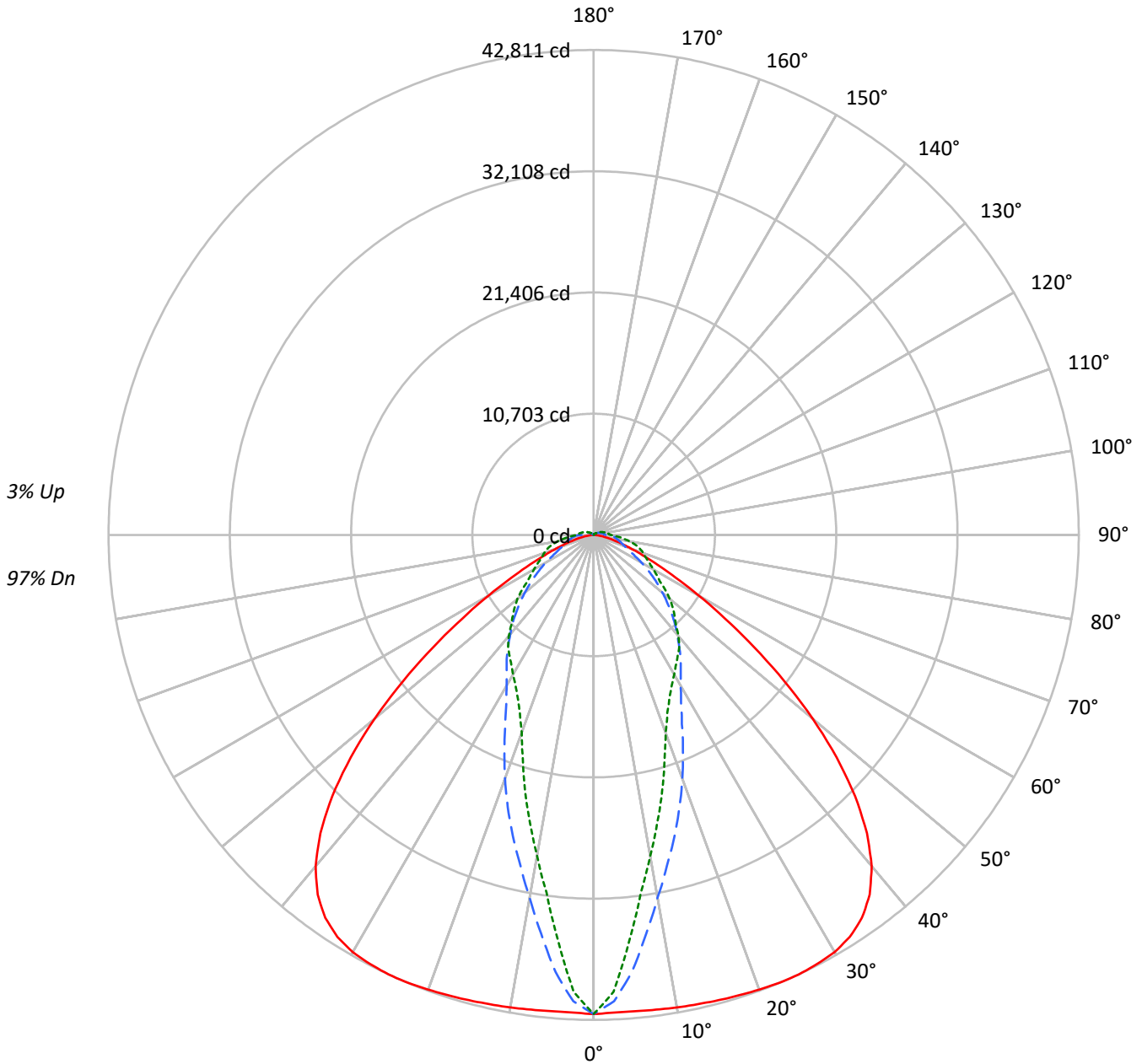
Lumens per Lamp: N/A
Luminaire Lumens: 62418.1 lumens
Efficiency: N/A
Efficacy: 172.4 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

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	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	85	85	85	82																	
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	71																	
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	62																	
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	54																	
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	48																	
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	43																	
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	39																	
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	35																	
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	32																	
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	30																	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	72233	72233	72233
5°	72086	65781	61160
10°	72900	55410	49041
15°	74324	47389	40251
20°	76411	40069	32556
25°	79054	33166	28526
30°	81787	28572	26500
35°	83489	26039	25247
40°	82060	23521	23953
45°	75492	21255	22176
50°	63692	18779	20813
55°	48396	16448	18521
60°	33915	14106	17731
65°	22813	12148	17359
70°	15580	11401	18212
75°	10812	11758	19458
80°	7443	13022	20032
85°	4354	16288	21015



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3560.1	5.7
10°-20°	8374.8	13.4
20°-30°	10497.8	16.8
30°-40°	11139.3	17.8
40°-50°	10071.7	16.1
50°-60°	7302.6	11.7
60°-70°	4582.8	7.3
70°-80°	3032.7	4.9
80°-90°	1747.2	2.8
90°-100°	846.5	1.4
100°-110°	584.2	0.9
110°-120°	360.5	0.6
120°-130°	174.6	0.3
130°-140°	80.3	0.1
140°-150°	43.9	0.1
150°-160°	19.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
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0°-30°	22432.7	35.9
0°-40°	33572.0	53.8
0°-60°	50946.3	81.6
0°-90°	60309.0	96.6
90°-120°	1791.2	2.9
90°-150°	2090.0	3.3
90°-180°	2109.0	3.4
0°-180°	62418.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	42292	42292	42292	42292	42292	
5°	42207	41124	38709	36914	35984	###
15°	42529	34664	27532	24485	23374	12061
25°	42811	26803	18435	16362	15843	19778
35°	41277	17819	13379	12961	12957	25660
45°	32631	11286	9696	9930	10099	24858
55°	17276	6996	6327	6863	7108	15609
65°	6178	4057	3663	4693	5216	6429
75°	1908	2186	2459	3820	4049	2127
85°	334	906	1799	2504	2298	401
90°	0	378	1042	1469	1481	22
95°	16	266	918	1248	1304	14
105°	32	177	668	886	910	32
115°	44	125	451	564	576	43
125°	48	64	229	290	286	42
135°	40	48	101	157	157	32
145°	48	52	60	93	89	29
155°	48	60	64	68	60	15
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°	42291.5	42291.5	42291.5	42291.5	42291.5
2.5°	42203.0	41961.5	41208.8	40749.9	40363.5
5°	42207.0	41124.3	38709.2	36914.0	35984.2
7.5°	42267.4	39860.4	35509.3	32888.9	31866.6
10°	42360.0	38294.6	32522.7	29729.2	28775.3
12.5°	42428.4	36531.6	29894.3	27024.4	25977.9
15°	42529.0	34664.0	27531.6	24484.6	23373.6
17.5°	42621.6	32905.0	25197.0	22013.2	20777.5
20°	42714.2	31009.2	22862.5	19582.0	18563.7
22.5°	42802.7	29008.8	20584.3	17694.3	16997.9
25°	42810.8	26803.0	18434.9	16362.0	15842.7
27.5°	42706.1	24516.8	16692.0	15247.0	14925.0
30°	42525.0	22298.9	15339.6	14442.0	14212.6
32.5°	42074.2	20036.9	14293.1	13665.1	13532.3
35°	41277.2	17819.0	13379.4	12960.8	12956.7
37.5°	40021.4	15850.8	12389.2	12316.7	12405.3
40°	38165.8	14128.0	11451.4	11644.6	11644.6
42.5°	35690.4	12630.7	10602.1	10799.3	10747.0
45°	32631.3	11286.3	9696.4	9929.9	10098.9
47.5°	29085.2	10103.0	8770.7	9221.5	9454.9
50°	25229.2	8975.9	7925.4	8501.0	8766.6
52.5°	21188.0	7933.4	7100.2	7760.4	7973.7
55°	17275.6	6995.6	6327.4	6862.8	7108.3
57.5°	13733.6	6102.0	5570.7	6077.9	6585.0
60°	10686.6	5333.2	4858.3	5582.8	6089.9
62.5°	8162.9	4649.0	4190.1	5119.9	5627.1
65°	6178.5	4057.3	3662.8	4693.2	5216.5
67.5°	4657.0	3546.1	3252.3	4383.3	4894.5
70°	3497.8	3051.0	2922.2	4190.1	4649.0
72.5°	2584.1	2596.2	2660.6	4021.1	4371.2
75°	1907.9	2185.6	2459.3	3819.8	4049.2
77.5°	1364.5	1811.3	2278.2	3578.3	3658.8
80°	945.9	1477.2	2089.0	3260.3	3191.9
82.5°	591.7	1183.4	1920.0	2910.1	2721.0
85°	334.1	905.6	1799.2	2503.6	2298.3
87.5°	148.9	676.2	1573.8	1952.2	1823.4
90°	0.0	378.4	1042.5	1469.2	1481.2
92.5°	8.1	314.0	962.0	1344.4	1384.6
95°	16.1	265.7	917.7	1247.8	1304.1
97.5°	20.1	233.5	861.4	1159.2	1207.5
100°	24.2	209.3	792.9	1066.6	1106.9
102.5°	28.2	193.2	728.5	970.0	1002.2
105°	32.2	177.1	668.2	885.5	909.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	40.3	136.9	503.1	636.0	656.1
115°	44.3	124.8	450.8	563.5	575.6
117.5°	48.3	108.7	394.5	495.1	499.1
120°	48.3	96.6	338.1	422.6	422.6
122.5°	48.3	80.5	281.8	350.2	346.2
125°	48.3	64.4	229.4	289.8	285.8
127.5°	44.3	52.3	185.2	241.5	237.5
130°	44.3	52.3	148.9	205.3	205.3
132.5°	40.3	48.3	120.8	177.1	177.1
135°	40.3	48.3	100.6	157.0	157.0
137.5°	40.3	52.3	84.5	136.9	136.9
140°	40.3	48.3	72.5	120.8	120.8
142.5°	44.3	48.3	64.4	104.7	104.7
145°	48.3	52.3	60.4	92.6	88.6
147.5°	48.3	56.4	60.4	80.5	76.5
150°	48.3	60.4	60.4	72.5	68.4
152.5°	48.3	60.4	60.4	68.4	64.4
155°	48.3	60.4	64.4	68.4	60.4
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°	32.2	165.0	611.8	792.9	821.1
110°	36.2	148.9	559.5	708.4	736.6



(END OF REPORT)