

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: METALUX

Report Number: P1175853

Luminaire Tested: UHBS2-2436-W-L83065-MID-4000K-CLR6

Issue Date: 8/26/2025

**Test Information**

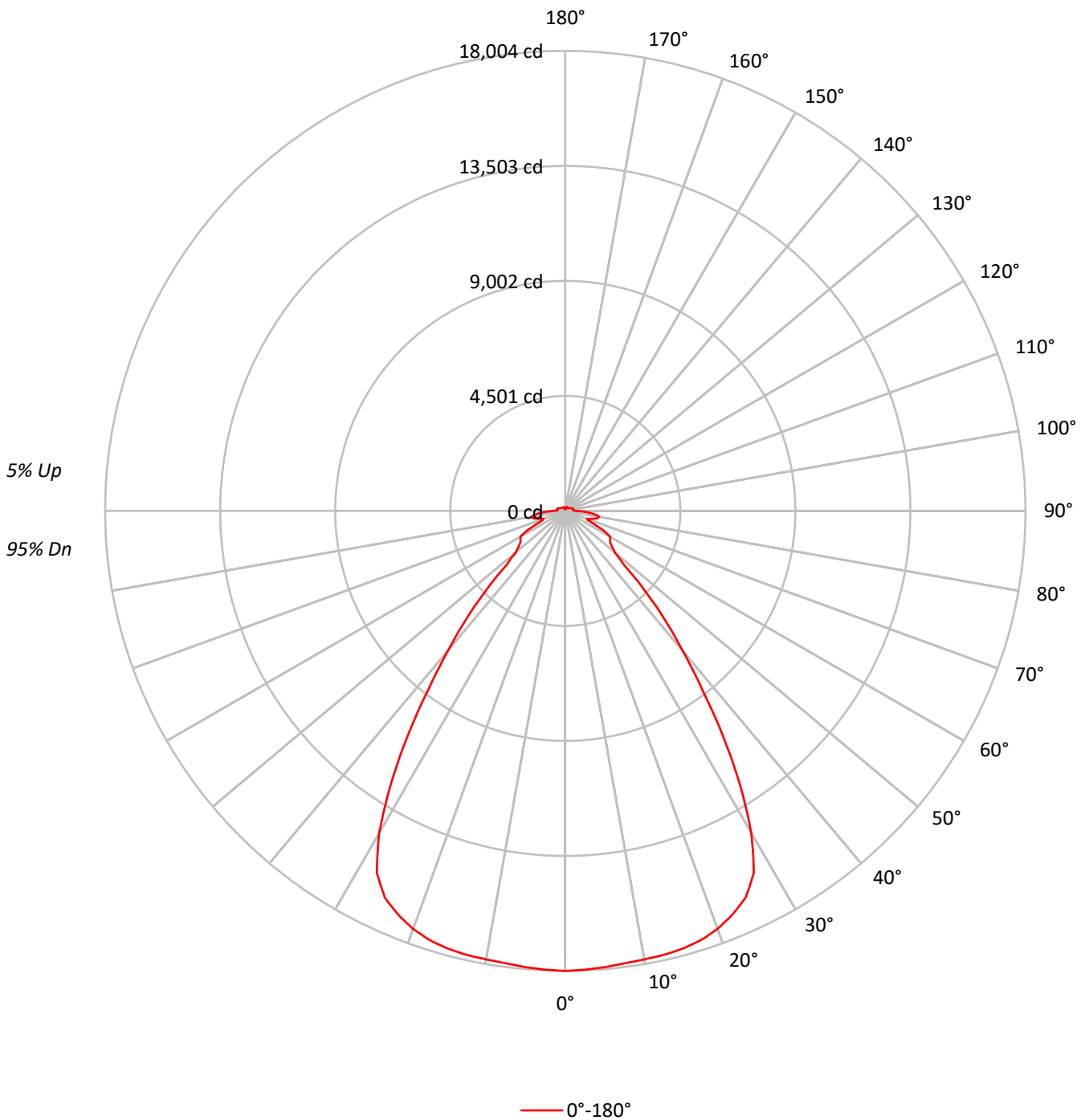
Test Method: LM-79-2019  
Report Number: P1175853  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2505-439-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/26/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: UHBS2-2436-W-L83065-MID-4000K-CLR6  
Description: UHBS2 LED High Bay at 4000K and MID lumen setting 6in Deep Clear Refractor  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31424.0 lumens  
Efficiency: N/A  
Efficacy: 165.4 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08  
Luminous Opening: Vertical Cylinder (Dia: 1.47' x H: 0.5')  
CIE Type: Direct  
  
Input Watts (W): 190  
Input Voltage (V):  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.998  
Total Harmonic Distortion (THDi): 5.15  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot







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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1707.1	5.4
10°-20°	5009.8	15.9
20°-30°	7574.1	24.1
30°-40°	6678.9	21.3
40°-50°	3435.1	10.9
50°-60°	1970.5	6.3
60°-70°	1342.7	4.3
70°-80°	1223.3	3.9
80°-90°	1044.5	3.3
90°-100°	358.2	1.1
100°-110°	332.0	1.1
110°-120°	248.0	0.8
120°-130°	172.6	0.5
130°-140°	118.0	0.4
140°-150°	92.8	0.3
150°-160°	71.8	0.2
160°-170°	36.3	0.1
170°-180°	8.3	0.0
0°-30°	14291.1	45.5
0°-40°	20970.0	66.7
0°-60°	26375.6	83.9
0°-90°	29986.2	95.4
90°-120°	938.2	3.0
90°-150°	1321.5	4.2
90°-180°	1438.0	4.6
0°-180°	31424.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	18004	
5°	17922	###
15°	17739	5010
25°	16700	7574
35°	10753	6679
45°	4356	3435
55°	2142	1971
65°	1280	1343
75°	1172	1223
85°	1005	887
90°	445	264
95°	298	252
105°	321	332
115°	247	248
125°	193	173
135°	149	118
145°	147	93
155°	157	72
165°	126	36
175°	80	8
180°	67	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	18004.1
2.5°	17975.8
5°	17921.8
7.5°	17854.9
10°	17821.5
12.5°	17798.4
15°	17739.2
17.5°	17618.4
20°	17412.7
22.5°	17099.0
25°	16700.4
27.5°	15972.8
30°	14561.1
32.5°	12740.7
35°	10753.1
37.5°	8778.3
40°	7137.9
42.5°	5718.5
45°	4355.7
47.5°	3101.0
50°	2527.6
52.5°	2303.9
55°	2141.9
57.5°	2082.7
60°	2023.6
62.5°	1727.9
65°	1280.5
67.5°	969.4
70°	907.7
72.5°	1013.1
75°	1172.5
77.5°	1308.8
80°	1339.6
82.5°	1234.2
85°	1005.4
87.5°	702.0
90°	444.8
92.5°	331.7
95°	298.3
97.5°	303.4
100°	313.7
102.5°	324.0
105°	321.4
107.5°	308.6
110°	288.0



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	267.4
115°	246.8
117.5°	231.4
120°	216.0
122.5°	205.7
125°	192.8
127.5°	177.4
130°	167.1
132.5°	156.8
135°	149.1
137.5°	146.6
140°	144.0
142.5°	146.6
145°	146.6
147.5°	149.1
150°	154.3
152.5°	156.8
155°	156.8
157.5°	154.3
160°	149.1
162.5°	138.8
165°	126.0
167.5°	113.1
170°	100.3
172.5°	90.0
175°	79.7
177.5°	72.0
180°	66.9

(END OF REPORT)