

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: P1175832

Luminaire Tested: UHBS2-2436-N-L83065-LOW-3500K-CLR6

Issue Date: 8/26/2025

**Test Information**

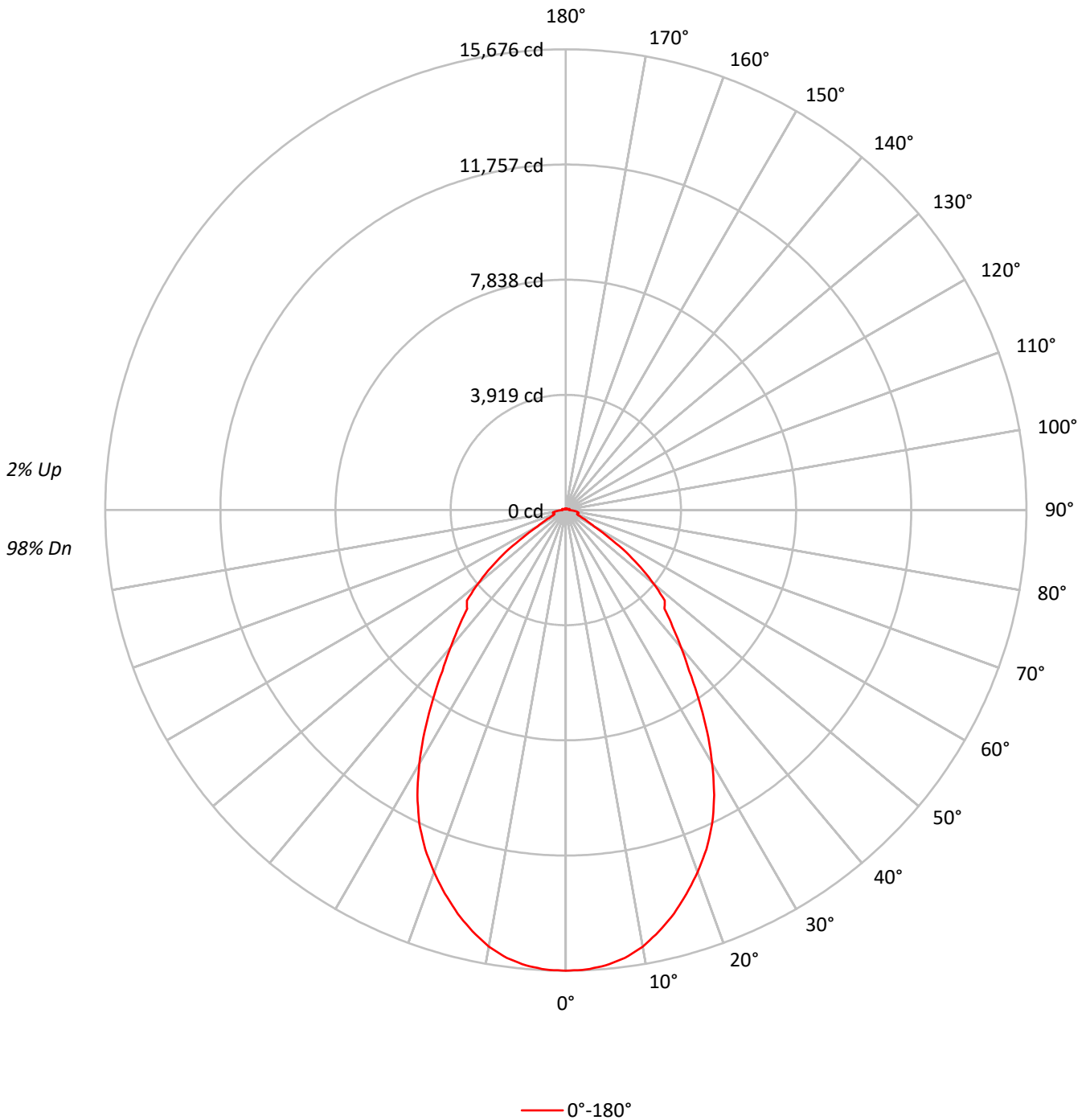
Test Method: LM-79-2019  
Report Number: P1175832  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2505-439-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/26/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: UHBS2-2436-N-L83065-LOW-3500K-CLR6  
Description: UHBS2 LED High Bay at 3500K and LOW lumen setting 6in Deep Clear Refractor  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23643.0 lumens  
Efficiency: N/A  
Efficacy: 153.1 lumens/watt  
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.03  
Luminous Opening: Vertical Cylinder (Dia: 1.47' x H: 0.5')  
CIE Type: Direct  
  
Input Watts (W): 154.4  
Input Voltage (V):  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.998  
Total Harmonic Distortion (THDi): 5.2  
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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**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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	100	100	100	98
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	91	89	89	89	89	87
2	103	97	92	87	101	95	90	86	91	87	84	88	85	82	85	82	80	80	80	80	78
3	96	88	82	77	94	86	81	76	83	78	74	81	76	73	78	74	71	71	71	71	69
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	72	68	64	64	64	64	62
5	84	73	66	61	82	72	65	60	70	64	60	68	63	59	66	62	58	58	58	58	56
6	79	67	60	55	77	67	60	54	65	58	54	63	57	53	61	56	53	53	53	53	51
7	74	62	55	50	72	61	54	49	60	54	49	58	53	49	57	52	48	48	48	48	46
8	69	58	50	45	68	57	50	45	56	49	45	54	49	45	53	48	44	44	44	44	42
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	44	41	41	41	41	39
10	62	50	43	38	60	49	43	38	48	42	38	47	42	38	46	41	38	38	38	38	36

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	99151
5°	95172
10°	90002
15°	83432
20°	76249
25°	68462
30°	58236
35°	46824
40°	36912
45°	29672
50°	25334
55°	17090
60°	8017
65°	4612
70°	3458
75°	4085
80°	4442
85°	3130

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 29672 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1470.1	6.2
10°-20°	3988.2	16.9
20°-30°	5368.4	22.7
30°-40°	4943.1	20.9
40°-50°	3791.7	16.0
50°-60°	2207.6	9.3
60°-70°	645.7	2.7
70°-80°	454.1	1.9
80°-90°	284.3	1.2
90°-100°	119.7	0.5
100°-110°	133.5	0.6
110°-120°	90.2	0.4
120°-130°	51.3	0.2
130°-140°	33.3	0.1
140°-150°	28.3	0.1
150°-160°	20.8	0.1
160°-170°	9.9	0.0
170°-180°	2.6	0.0
0°-30°	10826.7	45.8
0°-40°	15769.8	66.7
0°-60°	21769.2	92.1
0°-90°	23153.3	97.9
90°-120°	343.5	1.5
90°-150°	456.4	1.9
90°-180°	490.0	2.1
0°-180°	23643.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	15676	
5°	15557	###
15°	14218	3988
25°	11788	5368
35°	7900	4943
45°	4752	3792
55°	2507	2208
65°	594	646
75°	437	454
85°	256	245
90°	113	68
95°	103	90
105°	131	134
115°	89	90
125°	56	51
135°	42	33
145°	46	28
155°	46	21
165°	34	10
175°	26	3
180°	24	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	15675.9
2.5°	15654.0
5°	15556.7
7.5°	15375.9
10°	15081.9
12.5°	14682.6
15°	14217.8
17.5°	13683.4
20°	13111.3
22.5°	12495.4
25°	11788.2
27.5°	10938.0
30°	9964.6
32.5°	8953.4
35°	7900.5
37.5°	6901.3
40°	6092.8
42.5°	5377.6
45°	4751.8
47.5°	4565.1
50°	3901.6
52.5°	3220.2
55°	2507.0
57.5°	1720.4
60°	1108.5
62.5°	812.5
65°	594.0
67.5°	454.9
70°	409.2
72.5°	415.2
75°	437.0
77.5°	449.0
80°	421.1
82.5°	349.6
85°	256.3
87.5°	170.8
90°	113.2
92.5°	101.3
95°	103.3
97.5°	115.2
100°	125.2
102.5°	131.1
105°	131.1
107.5°	123.2
110°	113.2



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	101.3
115°	89.4
117.5°	79.5
120°	71.5
122.5°	63.6
125°	55.6
127.5°	49.7
130°	45.7
132.5°	43.7
135°	41.7
137.5°	41.7
140°	43.7
142.5°	43.7
145°	45.7
147.5°	45.7
150°	47.7
152.5°	47.7
155°	45.7
157.5°	41.7
160°	39.7
162.5°	37.7
165°	33.8
167.5°	31.8
170°	29.8
172.5°	27.8
175°	25.8
177.5°	23.8
180°	23.8

(END OF REPORT)