

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: P1175827

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

Issue Date: 8/26/2025

**Test Information**

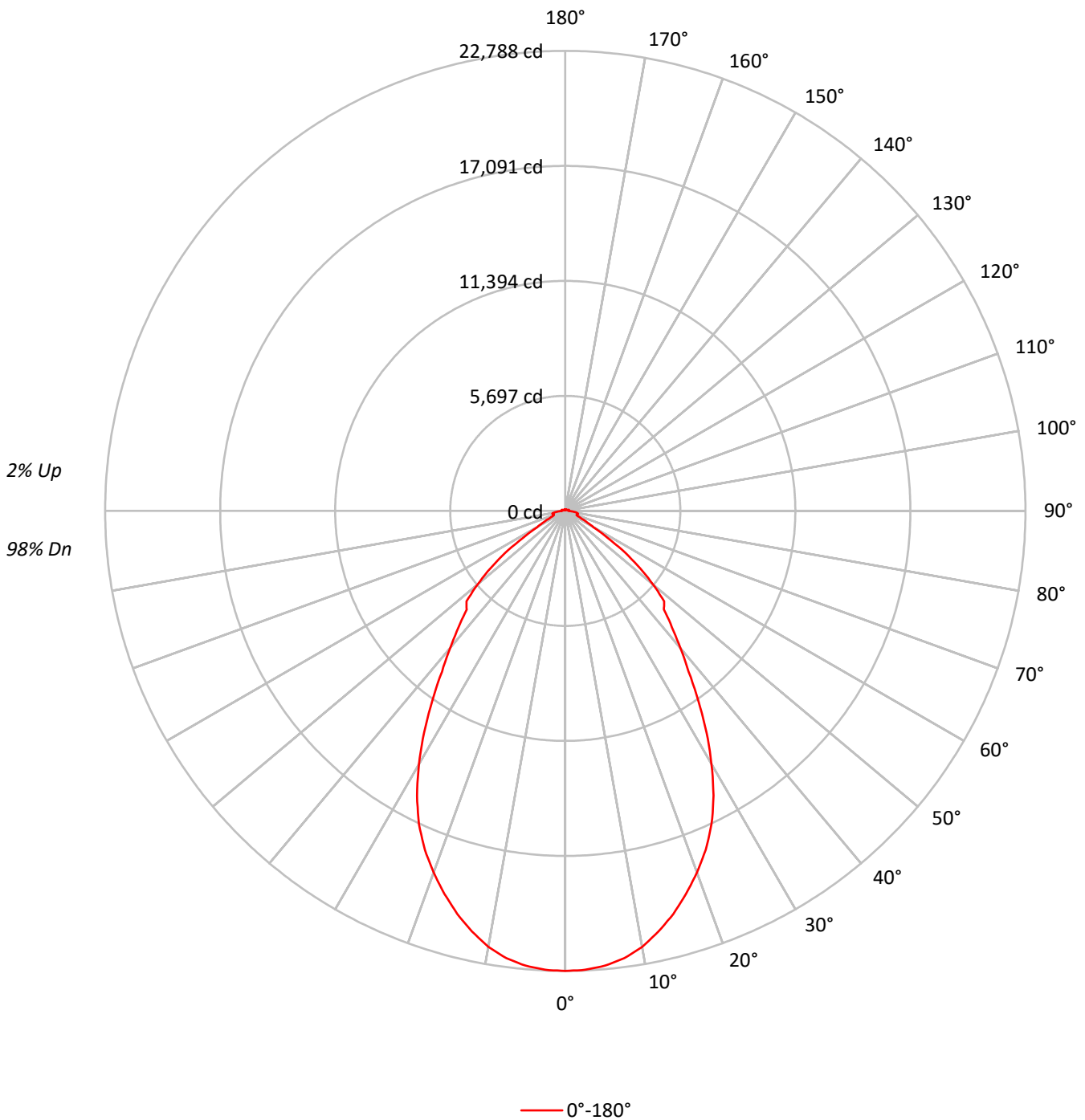
Test Method: LM-79-2019  
Report Number: P1175827  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2505-439-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/26/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: UHBS2-2436-N-L83065-HIGH-3500K-CLR6  
Description: UHBS2 LED High Bay at 3500K and HIGH lumen setting 6in Deep Clear Refractor  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34368.9 lumens  
Efficiency: N/A  
Efficacy: 145.9 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): 235.5  
Input Voltage (V):  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.999  
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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**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°	144132
5°	138348
10°	130833
15°	121283
20°	110841
25°	99521
30°	84655
35°	68066
40°	53657
45°	43134
50°	36827
55°	24844
60°	11654
65°	6704
70°	5028
75°	5939
80°	6458
85°	4548

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 43134 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2137.1	6.2
10°-20°	5797.4	16.9
20°-30°	7803.9	22.7
30°-40°	7185.6	20.9
40°-50°	5511.9	16.0
50°-60°	3209.2	9.3
60°-70°	938.7	2.7
70°-80°	660.1	1.9
80°-90°	413.3	1.2
90°-100°	174.1	0.5
100°-110°	194.1	0.6
110°-120°	131.2	0.4
120°-130°	74.5	0.2
130°-140°	48.4	0.1
140°-150°	41.2	0.1
150°-160°	30.3	0.1
160°-170°	14.5	0.0
170°-180°	3.8	0.0
0°-30°	15738.4	45.8
0°-40°	22924.0	66.7
0°-60°	31645.1	92.1
0°-90°	33657.1	97.9
90°-120°	499.3	1.5
90°-150°	663.4	1.9
90°-180°	712.0	2.1
0°-180°	34368.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	22788	
5°	22614	###
15°	20668	5797
25°	17136	7804
35°	11485	7186
45°	6908	5512
55°	3644	3209
65°	863	939
75°	635	660
85°	372	357
90°	165	99
95°	150	131
105°	191	194
115°	130	131
125°	81	75
135°	61	48
145°	66	41
155°	66	30
165°	49	14
175°	38	4
180°	35	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	22787.5
2.5°	22755.7
5°	22614.2
7.5°	22351.4
10°	21924.0
12.5°	21343.6
15°	20667.9
17.5°	19891.0
20°	19059.4
22.5°	18164.2
25°	17136.1
27.5°	15900.1
30°	14485.1
32.5°	13015.2
35°	11484.7
37.5°	10032.2
40°	8856.8
42.5°	7817.2
45°	6907.6
47.5°	6636.1
50°	5671.6
52.5°	4681.1
55°	3644.4
57.5°	2500.8
60°	1611.4
62.5°	1181.1
65°	863.4
67.5°	661.3
70°	594.9
72.5°	603.5
75°	635.3
77.5°	652.6
80°	612.2
82.5°	508.2
85°	372.5
87.5°	248.3
90°	164.6
92.5°	147.3
95°	150.2
97.5°	167.5
100°	181.9
102.5°	190.6
105°	190.6
107.5°	179.0
110°	164.6



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	147.3
115°	130.0
117.5°	115.5
120°	104.0
122.5°	92.4
125°	80.9
127.5°	72.2
130°	66.4
132.5°	63.5
135°	60.6
137.5°	60.6
140°	63.5
142.5°	63.5
145°	66.4
147.5°	66.4
150°	69.3
152.5°	69.3
155°	66.4
157.5°	60.6
160°	57.8
162.5°	54.9
165°	49.1
167.5°	46.2
170°	43.3
172.5°	40.4
175°	37.5
177.5°	34.7
180°	34.7

(END OF REPORT)