

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: P1175805

Luminaire Tested: UHBS2-1218-W-L83065-LOW-5000K-CLR6

Issue Date: 8/26/2025

**Test Information**

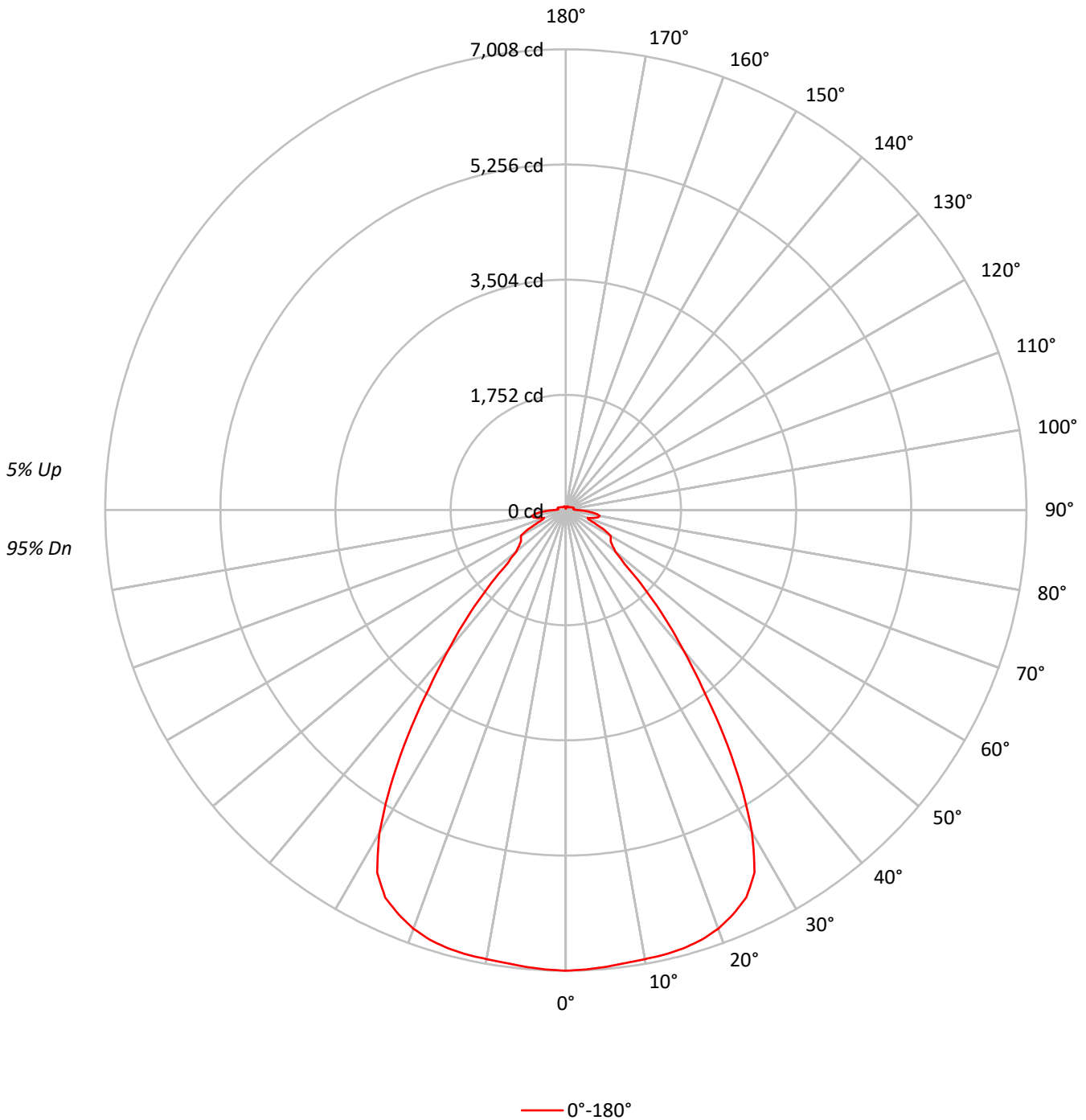
Test Method: LM-79-2019  
Report Number: P1175805  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2505-439-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/26/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: UHBS2-1218-W-L83065-LOW-5000K-CLR6  
Description: UHBS2 LED High Bay at 5000K and LOW lumen setting 6in Deep Clear Refractor  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12232.1 lumens  
Efficiency: N/A  
Efficacy: 154.8 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08  
Luminous Opening: Vertical Cylinder (Dia: 1.3' x H: 0.5')  
CIE Type: Direct  
  
Input Watts (W): 79  
Input Voltage (V):  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.997  
Total Harmonic Distortion (THDi): 7.2  
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				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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	98	95
1	109	105	101	98	106	102	99	96	97	95	92	93	90	88	88	87	85	88	87	85	83
2	101	94	89	84	99	92	87	83	88	84	80	84	81	78	81	78	75	81	78	75	73
3	94	86	79	73	92	84	78	73	80	75	71	77	73	69	74	70	67	74	70	67	65
4	88	78	71	65	86	77	70	64	74	68	63	71	66	62	68	64	61	68	64	61	59
5	82	72	64	58	80	70	63	58	68	62	57	65	60	56	63	59	55	63	59	55	53
6	77	66	58	53	75	65	58	52	63	56	52	61	55	51	59	54	50	59	54	50	48
7	72	61	53	48	71	60	53	48	58	52	47	56	51	47	55	50	46	55	50	46	44
8	68	56	49	44	66	56	49	44	54	48	43	52	47	43	51	46	42	51	46	42	41
9	64	52	45	40	63	52	45	40	50	44	40	49	43	39	48	43	39	48	43	39	37
10	61	49	42	37	59	48	42	37	47	41	37	46	40	37	45	40	36	45	40	36	35

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

	0°
0°	56746
5°	54374
10°	52506
15°	51173
20°	49575
25°	47288
30°	41320
35°	30816
40°	20820
45°	13036
50°	7829
55°	6928
60°	6904
65°	4659
70°	3568
75°	5052
80°	6441
85°	5514

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13036 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	664.5	5.4
10°-20°	1950.1	15.9
20°-30°	2948.3	24.1
30°-40°	2599.8	21.3
40°-50°	1337.2	10.9
50°-60°	767.0	6.3
60°-70°	522.6	4.3
70°-80°	476.2	3.9
80°-90°	406.6	3.3
90°-100°	139.4	1.1
100°-110°	129.2	1.1
110°-120°	96.6	0.8
120°-130°	67.2	0.5
130°-140°	45.9	0.4
140°-150°	36.1	0.3
150°-160°	28.0	0.2
160°-170°	14.1	0.1
170°-180°	3.2	0.0
0°-30°	5562.9	45.5
0°-40°	8162.7	66.7
0°-60°	10266.9	83.9
0°-90°	11672.3	95.4
90°-120°	365.2	3.0
90°-150°	514.5	4.2
90°-180°	560.0	4.6
0°-180°	12232.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7008	
5°	6976	665
15°	6905	1950
25°	6501	2948
35°	4186	2600
45°	1696	1337
55°	834	767
65°	498	523
75°	456	476
85°	391	345
90°	173	103
95°	116	98
105°	125	129
115°	96	97
125°	75	67
135°	58	46
145°	57	36
155°	61	28
165°	49	14
175°	31	3
180°	26	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7008.2
2.5°	6997.2
5°	6976.2
7.5°	6950.2
10°	6937.1
12.5°	6928.1
15°	6905.1
17.5°	6858.1
20°	6778.0
22.5°	6655.9
25°	6500.8
27.5°	6217.5
30°	5668.0
32.5°	4959.4
35°	4185.7
37.5°	3417.0
40°	2778.5
42.5°	2226.0
45°	1695.5
47.5°	1207.1
50°	983.9
52.5°	896.8
55°	833.7
57.5°	810.7
60°	787.7
62.5°	672.6
65°	498.4
67.5°	377.3
70°	353.3
72.5°	394.3
75°	456.4
77.5°	509.5
80°	521.5
82.5°	480.4
85°	391.3
87.5°	273.2
90°	173.2
92.5°	129.1
95°	116.1
97.5°	118.1
100°	122.1
102.5°	126.1
105°	125.1
107.5°	120.1
110°	112.1



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	104.1
115°	96.1
117.5°	90.1
120°	84.1
122.5°	80.1
125°	75.1
127.5°	69.1
130°	65.1
132.5°	61.1
135°	58.1
137.5°	57.1
140°	56.0
142.5°	57.1
145°	57.1
147.5°	58.1
150°	60.1
152.5°	61.1
155°	61.1
157.5°	60.1
160°	58.1
162.5°	54.0
165°	49.0
167.5°	44.0
170°	39.0
172.5°	35.0
175°	31.0
177.5°	28.0
180°	26.0

(END OF REPORT)