

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: P1175777

Luminaire Tested: UHBS2-1218-M-L83065-MID-3000K-CLR6

Issue Date: 8/26/2025

**Test Information**

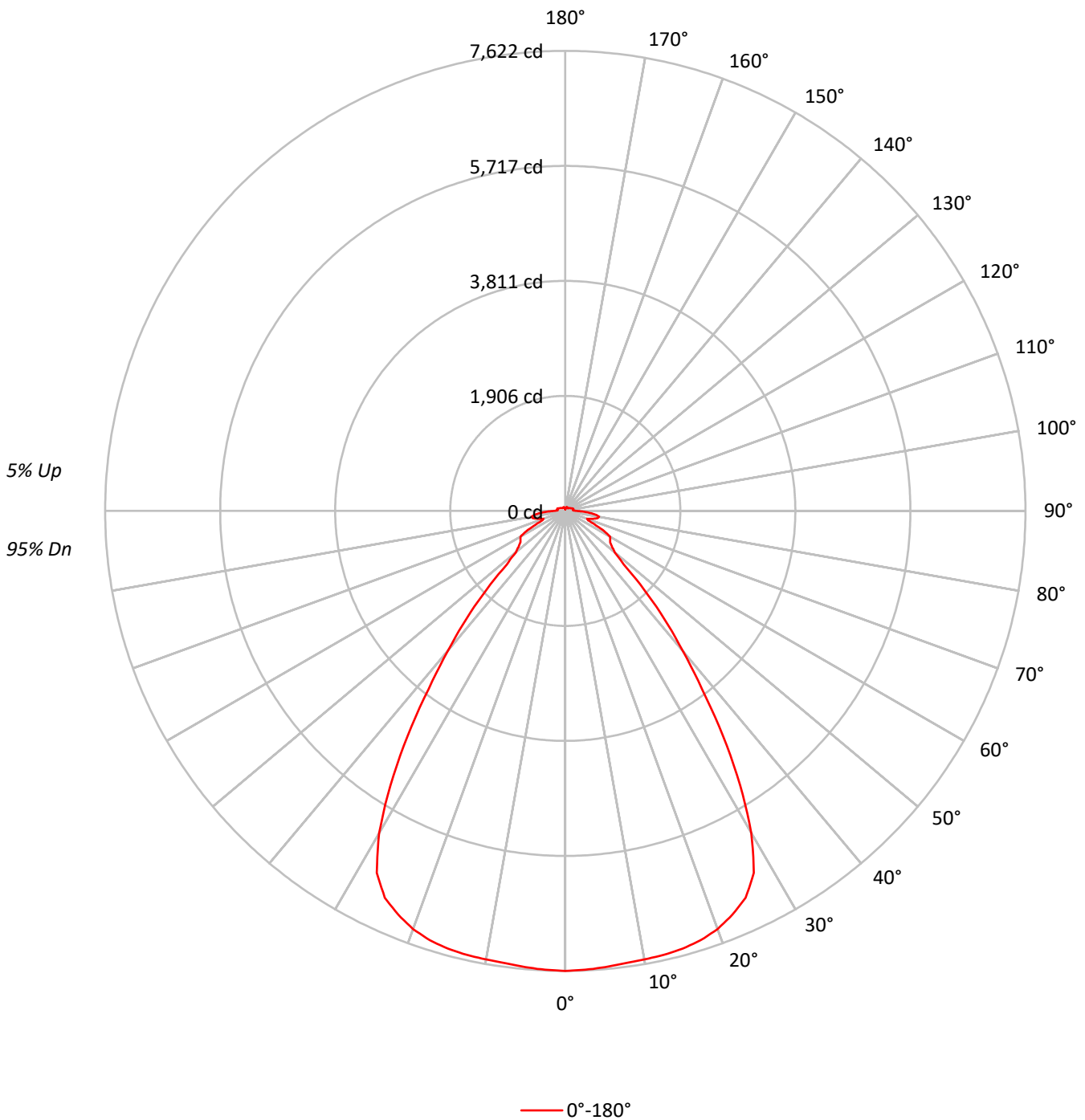
Test Method: LM-79-2019  
Report Number: P1175777  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2505-439-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/26/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: UHBS2-1218-M-L83065-MID-3000K-CLR6  
Description: UHBS2 LED High Bay at 3000K and MID lumen setting 6in Deep Clear Refractor  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13304.0 lumens  
Efficiency: N/A  
Efficacy: 134.5 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): 98.9  
Input Voltage (V):  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.997  
Total Harmonic Distortion (THDi): 7.15  
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				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°	61719
5°	59140
10°	57108
15°	55659
20°	53919
25°	51433
30°	44942
35°	33516
40°	22645
45°	14179
50°	8514
55°	7535
60°	7509
65°	5068
70°	3881
75°	5495
80°	7006
85°	5997

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 14179 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	722.8	5.4
10°-20°	2121.0	15.9
20°-30°	3206.7	24.1
30°-40°	2827.7	21.3
40°-50°	1454.3	10.9
50°-60°	834.3	6.3
60°-70°	568.4	4.3
70°-80°	517.9	3.9
80°-90°	442.2	3.3
90°-100°	151.6	1.1
100°-110°	140.6	1.1
110°-120°	105.0	0.8
120°-130°	73.1	0.5
130°-140°	50.0	0.4
140°-150°	39.3	0.3
150°-160°	30.4	0.2
160°-170°	15.4	0.1
170°-180°	3.5	0.0
0°-30°	6050.4	45.5
0°-40°	8878.1	66.7
0°-60°	11166.7	83.9
0°-90°	12695.2	95.4
90°-120°	397.2	3.0
90°-150°	559.5	4.2
90°-180°	609.0	4.6
0°-180°	13304.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7622	
5°	7588	723
15°	7510	2121
25°	7070	3207
35°	4552	2828
45°	1844	1454
55°	907	834
65°	542	568
75°	496	518
85°	426	376
90°	188	112
95°	126	107
105°	136	141
115°	104	105
125°	82	73
135°	63	50
145°	62	39
155°	66	30
165°	53	15
175°	34	4
180°	28	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7622.4
2.5°	7610.4
5°	7587.6
7.5°	7559.3
10°	7545.1
12.5°	7535.3
15°	7510.3
17.5°	7459.1
20°	7372.0
22.5°	7239.2
25°	7070.5
27.5°	6762.4
30°	6164.8
32.5°	5394.0
35°	4552.5
37.5°	3716.5
40°	3022.0
42.5°	2421.1
45°	1844.1
47.5°	1312.9
50°	1070.1
52.5°	975.4
55°	906.8
57.5°	881.8
60°	856.7
62.5°	731.5
65°	542.1
67.5°	410.4
70°	384.3
72.5°	428.9
75°	496.4
77.5°	554.1
80°	567.2
82.5°	522.5
85°	425.6
87.5°	297.2
90°	188.3
92.5°	140.4
95°	126.3
97.5°	128.5
100°	132.8
102.5°	137.2
105°	136.1
107.5°	130.6
110°	121.9



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	113.2
115°	104.5
117.5°	98.0
120°	91.4
122.5°	87.1
125°	81.6
127.5°	75.1
130°	70.8
132.5°	66.4
135°	63.1
137.5°	62.1
140°	61.0
142.5°	62.1
145°	62.1
147.5°	63.1
150°	65.3
152.5°	66.4
155°	66.4
157.5°	65.3
160°	63.1
162.5°	58.8
165°	53.3
167.5°	47.9
170°	42.5
172.5°	38.1
175°	33.7
177.5°	30.5
180°	28.3

(END OF REPORT)