

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: P1175797

Luminaire Tested: UHBS2-1218-W-L83065-HIGH-3000K-CLR6

Issue Date: 8/26/2025

**Test Information**

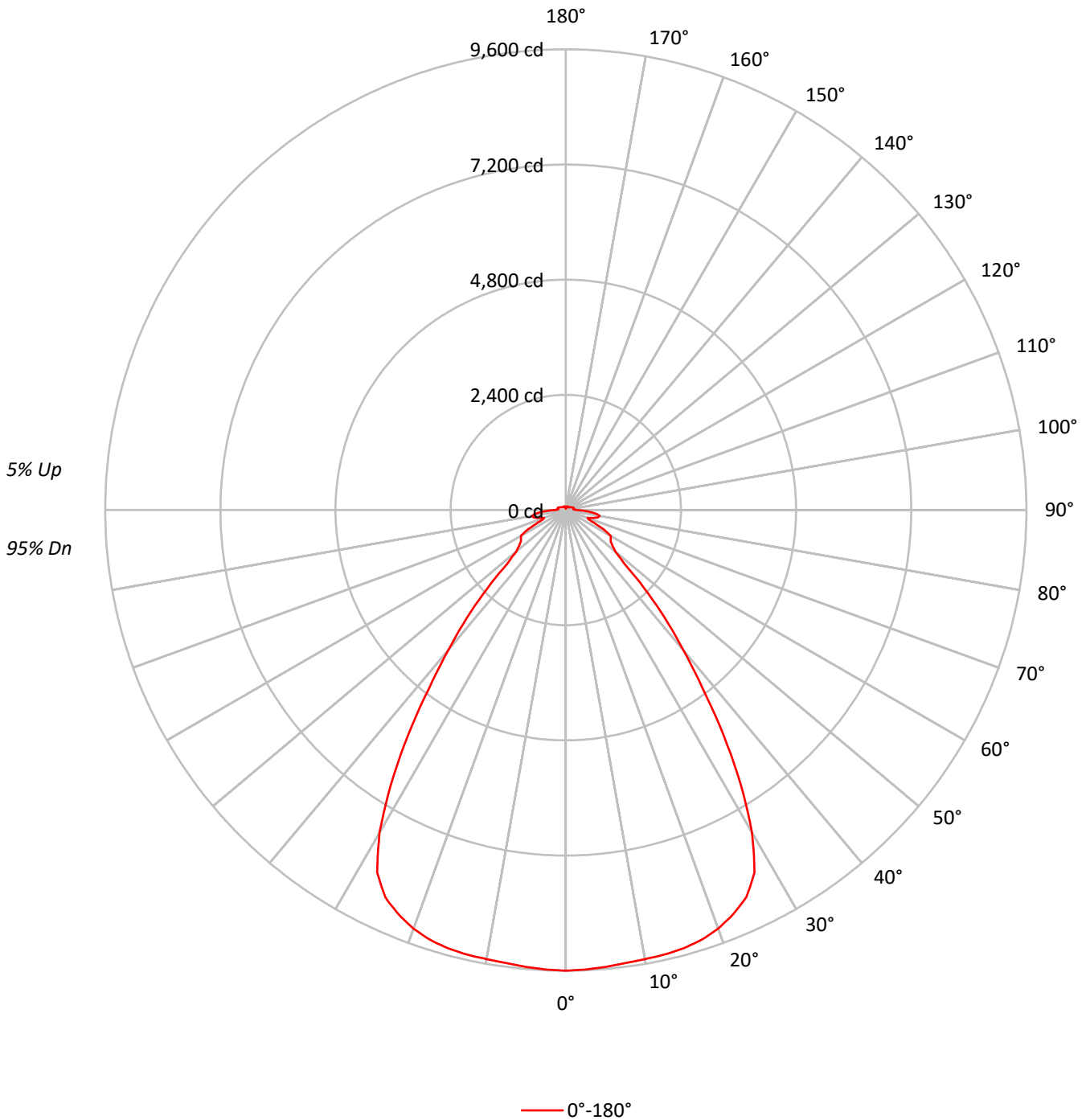
Test Method: LM-79-2019  
Report Number: P1175797  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2505-439-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/26/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: UHBS2-1218-W-L83065-HIGH-3000K-CLR6  
Description: UHBS2 LED High Bay at 3000K and HIGH lumen setting 6in Deep Clear Refractor  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16755.0 lumens  
Efficiency: N/A  
Efficacy: 137.3 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): 122  
Input Voltage (V):  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.998  
Total Harmonic Distortion (THDi): 6.9  
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°	77728
5°	74480
10°	71922
15°	70096
20°	67906
25°	64774
30°	56599
35°	42210
40°	28518
45°	17856
50°	10723
55°	9490
60°	9458
65°	6382
70°	4887
75°	6921
80°	8823
85°	7554

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 17856 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	910.2	5.4
10°-20°	2671.2	15.9
20°-30°	4038.4	24.1
30°-40°	3561.1	21.3
40°-50°	1831.6	10.9
50°-60°	1050.7	6.3
60°-70°	715.9	4.3
70°-80°	652.3	3.9
80°-90°	556.9	3.3
90°-100°	191.0	1.1
100°-110°	177.0	1.1
110°-120°	132.2	0.8
120°-130°	92.0	0.5
130°-140°	62.9	0.4
140°-150°	49.5	0.3
150°-160°	38.3	0.2
160°-170°	19.4	0.1
170°-180°	4.4	0.0
0°-30°	7619.9	45.5
0°-40°	11181.0	66.7
0°-60°	14063.2	83.9
0°-90°	15988.4	95.4
90°-120°	500.2	3.0
90°-150°	704.6	4.2
90°-180°	767.0	4.6
0°-180°	16755.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9600	
5°	9556	910
15°	9458	2671
25°	8904	4038
35°	5733	3561
45°	2322	1832
55°	1142	1051
65°	683	716
75°	625	652
85°	536	473
90°	237	141
95°	159	134
105°	171	177
115°	132	132
125°	103	92
135°	80	63
145°	78	49
155°	84	38
165°	67	19
175°	42	4
180°	36	

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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	9599.6
2.5°	9584.5
5°	9555.7
7.5°	9520.1
10°	9502.3
12.5°	9489.9
15°	9458.4
17.5°	9394.0
20°	9284.3
22.5°	9117.0
25°	8904.5
27.5°	8516.5
30°	7763.9
32.5°	6793.2
35°	5733.4
37.5°	4680.5
40°	3805.8
42.5°	3049.1
45°	2322.4
47.5°	1653.4
50°	1347.7
52.5°	1228.4
55°	1142.0
57.5°	1110.5
60°	1079.0
62.5°	921.3
65°	682.7
67.5°	516.9
70°	484.0
72.5°	540.2
75°	625.2
77.5°	697.8
80°	714.3
82.5°	658.1
85°	536.1
87.5°	374.3
90°	237.2
92.5°	176.9
95°	159.0
97.5°	161.8
100°	167.3
102.5°	172.7
105°	171.4
107.5°	164.5
110°	153.5



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	142.6
115°	131.6
117.5°	123.4
120°	115.2
122.5°	109.7
125°	102.8
127.5°	94.6
130°	89.1
132.5°	83.6
135°	79.5
137.5°	78.1
140°	76.8
142.5°	78.1
145°	78.1
147.5°	79.5
150°	82.3
152.5°	83.6
155°	83.6
157.5°	82.3
160°	79.5
162.5°	74.0
165°	67.2
167.5°	60.3
170°	53.5
172.5°	48.0
175°	42.5
177.5°	38.4
180°	35.6

(END OF REPORT)