

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: P1175790

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

Issue Date: 8/26/2025

**Test Information**

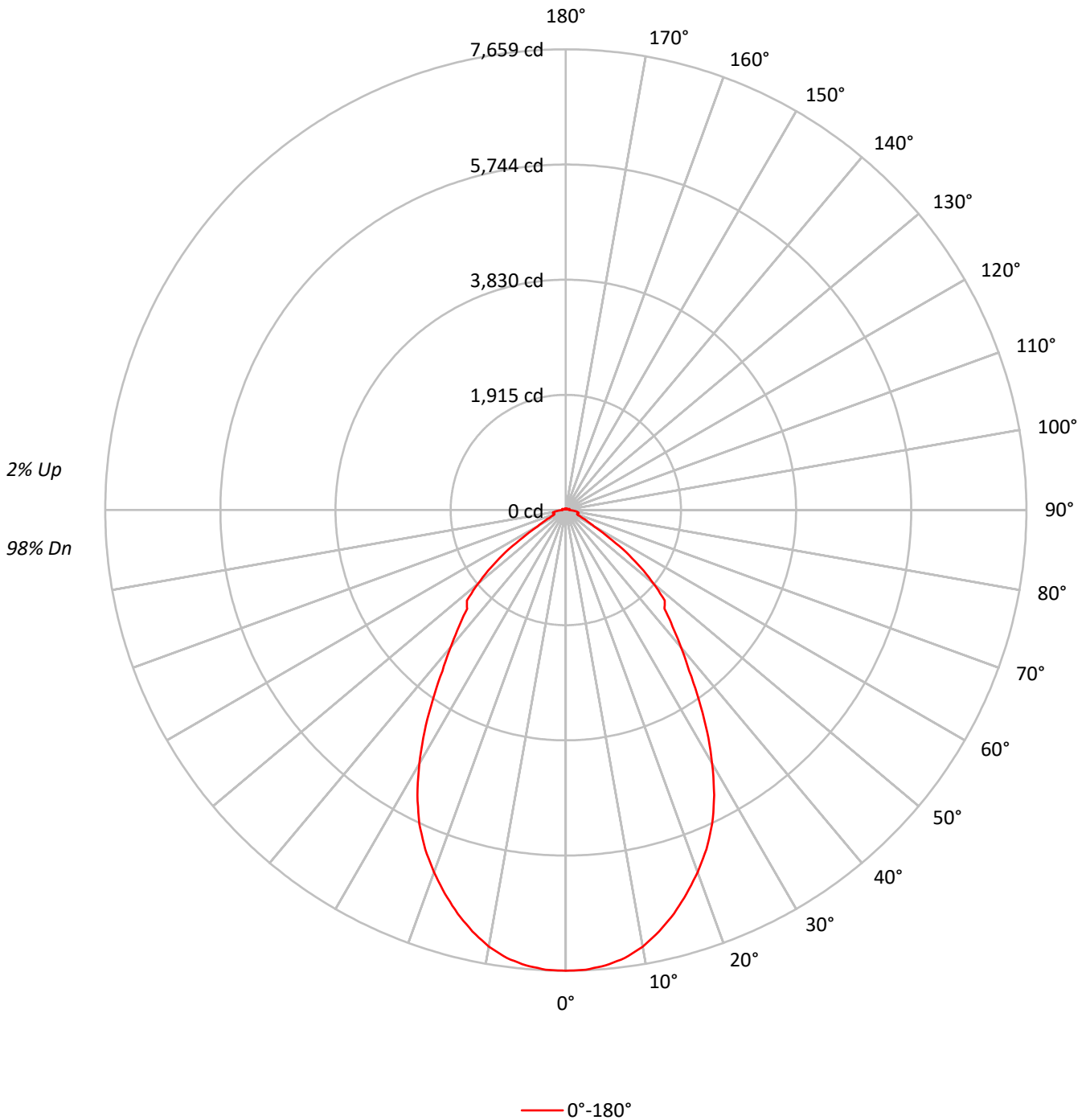
Test Method: LM-79-2019  
Report Number: P1175790  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2505-439-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/26/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: UHBS2-1218-N-L83065-LOW-5000K-CLR6  
Description: 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: 11552.0 lumens  
Efficiency: N/A  
Efficacy: 146.2 lumens/watt  
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.03  
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

TEST NUMBER: P1175790  
CATALOG NUMBER: UHBS2-1218-N-L83065-LOW-5000K-CLR6

### Luminous Intensity Polar Plot





TEST NUMBER: P1175790  
 CATALOG NUMBER: UHBS2-1218-N-L83065-LOW-5000K-CLR6

**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	98			98
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	91	89	87			87
2	103	97	92	87	101	95	90	86	91	87	84	88	85	82	85	82	80	78			78
3	96	88	82	77	94	86	81	76	83	78	74	81	76	73	78	74	71	69			69
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	72	68	64	62			62
5	84	73	66	61	82	72	65	60	70	64	60	68	63	59	66	62	58	56			56
6	79	67	60	55	77	67	60	54	65	58	54	63	57	53	61	56	53	51			51
7	74	62	55	50	72	61	54	49	60	54	49	58	53	49	57	52	48	46			46
8	69	58	50	45	68	57	50	45	56	49	45	54	49	45	53	48	44	42			42
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	44	41	39			39
10	62	50	43	38	60	49	43	38	48	42	38	47	42	38	46	41	38	36			36

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

	0°
0°	62018
5°	59244
10°	55775
15°	51483
20°	46855
25°	41898
30°	35493
35°	28419
40°	22307
45°	17851
50°	15168
55°	10178
60°	4747
65°	2713
70°	2020
75°	2363
80°	2542
85°	1764

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 17851 cd/sqm



TEST NUMBER: P1175790

CATALOG NUMBER: UHBS2-1218-N-L83065-LOW-5000K-CLR6

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	718.3	6.2
10°-20°	1948.6	16.9
20°-30°	2623.0	22.7
30°-40°	2415.2	20.9
40°-50°	1852.6	16.0
50°-60°	1078.6	9.3
60°-70°	315.5	2.7
70°-80°	221.9	1.9
80°-90°	138.9	1.2
90°-100°	58.5	0.5
100°-110°	65.2	0.6
110°-120°	44.1	0.4
120°-130°	25.1	0.2
130°-140°	16.3	0.1
140°-150°	13.9	0.1
150°-160°	10.2	0.1
160°-170°	4.9	0.0
170°-180°	1.3	0.0
0°-30°	5289.9	45.8
0°-40°	7705.1	66.7
0°-60°	10636.4	92.1
0°-90°	11312.7	97.9
90°-120°	167.8	1.5
90°-150°	223.0	1.9
90°-180°	239.0	2.1
0°-180°	11552.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7659	
5°	7601	718
15°	6947	1949
25°	5760	2623
35°	3860	2415
45°	2322	1853
55°	1225	1079
65°	290	316
75°	214	222
85°	125	120
90°	55	33
95°	50	44
105°	64	65
115°	44	44
125°	27	25
135°	20	16
145°	22	14
155°	22	10
165°	16	5
175°	13	1
180°	12	



TEST NUMBER: P1175790  
CATALOG NUMBER: UHBS2-1218-N-L83065-LOW-5000K-CLR6

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7659.3
2.5°	7648.6
5°	7601.0
7.5°	7512.7
10°	7369.0
12.5°	7173.9
15°	6946.8
17.5°	6685.7
20°	6406.2
22.5°	6105.3
25°	5759.7
27.5°	5344.3
30°	4868.7
32.5°	4374.6
35°	3860.2
37.5°	3372.0
40°	2976.9
42.5°	2627.5
45°	2321.8
47.5°	2230.5
50°	1906.3
52.5°	1573.4
55°	1224.9
57.5°	840.6
60°	541.6
62.5°	397.0
65°	290.2
67.5°	222.3
70°	200.0
72.5°	202.9
75°	213.5
77.5°	219.4
80°	205.8
82.5°	170.8
85°	125.2
87.5°	83.5
90°	55.3
92.5°	49.5
95°	50.5
97.5°	56.3
100°	61.1
102.5°	64.1
105°	64.1
107.5°	60.2
110°	55.3



TEST NUMBER: P1175790  
CATALOG NUMBER: UHBS2-1218-N-L83065-LOW-5000K-CLR6

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	49.5
115°	43.7
117.5°	38.8
120°	34.9
122.5°	31.1
125°	27.2
127.5°	24.3
130°	22.3
132.5°	21.4
135°	20.4
137.5°	20.4
140°	21.4
142.5°	21.4
145°	22.3
147.5°	22.3
150°	23.3
152.5°	23.3
155°	22.3
157.5°	20.4
160°	19.4
162.5°	18.4
165°	16.5
167.5°	15.5
170°	14.6
172.5°	13.6
175°	12.6
177.5°	11.6
180°	11.6

(END OF REPORT)