

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: P980593

Luminaire Tested: UHBS2-1218-N-L83065-HIGH-6500K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980593
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-3)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-1218-N-L83065-HIGH-6500K-CLR3
Description: UHBS2 LED High Bay at 6500K and HIGH lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

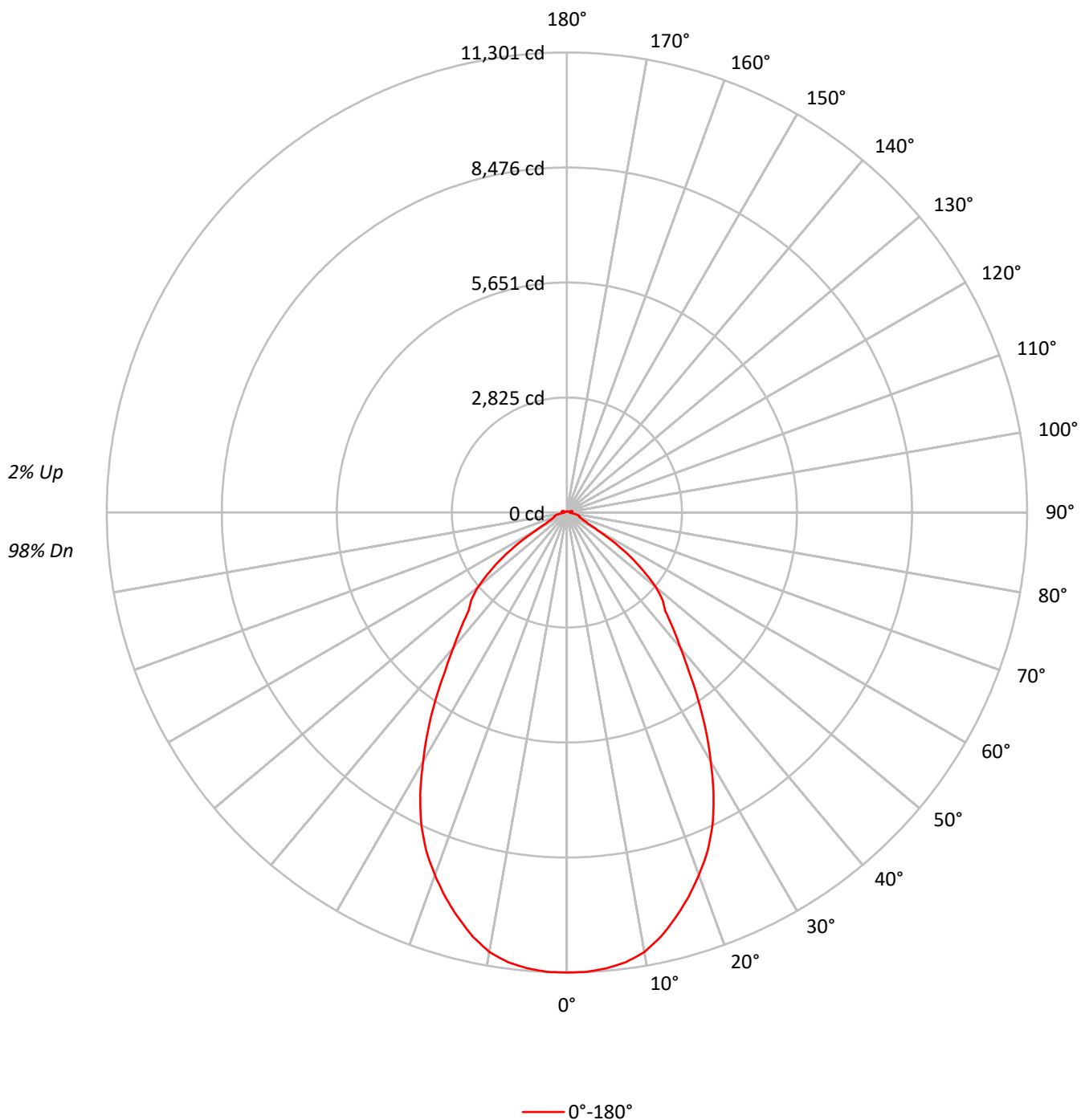
Lumens per Lamp: N/A
Luminaire Lumens: 17002.0 lumens
Efficiency: N/A
Efficacy: 139.2 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

Input Watts (W): 122.1
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

TEST NUMBER: P980593

CATALOG NUMBER: UHBS2-1218-N-L83065-HIGH-6500K-CLR3

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	0
RCR																				
0	119	119	119	119	115	115	115	115	110	110	110		105	105	105		100	100	100	98
1	111	107	104	101	108	105	102	100	101	98	96		96	94	93		93	91	90	88
2	104	97	92	88	101	95	91	87	92	88	84		88	85	82		85	82	80	78
3	97	88	82	77	94	87	81	76	84	79	74		81	76	73		78	75	72	70
4	90	80	73	68	88	79	73	67	76	71	66		74	69	65		72	68	64	62
5	84	74	66	61	82	72	66	60	70	64	60		68	63	59		66	62	58	56
6	79	68	60	55	77	67	60	55	65	59	54		63	58	53		61	57	53	51
7	74	62	55	50	72	61	54	50	60	54	49		58	53	49		57	52	48	46
8	69	58	50	45	68	57	50	45	56	49	45		54	49	45		53	48	44	43
9	65	54	47	42	64	53	46	42	52	46	41		51	45	41		50	44	41	39
10	62	50	43	39	60	49	43	38	48	42	38		47	42	38		46	41	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	113920
5°	111069
10°	107048
15°	100222
20°	92495
25°	83486
30°	71058
35°	58082
40°	46378
45°	38175
50°	33780
55°	24412
60°	11871
65°	6889
70°	5627
75°	5774
80°	4123
85°	2423

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 38175 cd/sqm

TEST NUMBER: P980593

CATALOG NUMBER: UHBS2-1218-N-L83065-HIGH-6500K-CLR3

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1064.3	6.3
10°-20°	2891.9	17.0
20°-30°	3850.0	22.6
30°-40°	3514.1	20.7
40°-50°	2704.3	15.9
50°-60°	1685.5	9.9
60°-70°	497.6	2.9
70°-80°	298.4	1.8
80°-90°	108.8	0.6
90°-100°	96.4	0.6
100°-110°	125.7	0.7
110°-120°	62.2	0.4
120°-130°	32.9	0.2
130°-140°	24.9	0.1
140°-150°	20.1	0.1
150°-160°	14.6	0.1
160°-170°	8.1	0.0
170°-180°	2.4	0.0
0°-30°	7806.2	45.9
0°-40°	11320.3	66.6
0°-60°	15710.0	92.4
0°-90°	16614.8	97.7
90°-120°	284.2	1.7
90°-150°	362.1	2.1
90°-180°	387.0	2.3
0°-180°	17002.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11301	
5°	11238	###
15°	10306	2892
25°	8462	3850
35°	5622	3514
45°	3409	2704
55°	1931	1685
65°	458	498
75°	299	298
85°	86	91
90°	64	37
95°	85	78
105°	125	126
115°	60	62
125°	36	33
135°	32	25
145°	32	20
155°	32	15
165°	28	8
175°	25	2
180°	26	

TEST NUMBER: P980593

CATALOG NUMBER: UHBS2-1218-N-L83065-HIGH-6500K-CLR3

CANDELA DISTRIBUTION (FULL):

0°	
0°	11301.0
2.5°	11292.7
5°	11238.4
7.5°	11139.6
10°	10961.4
12.5°	10674.7
15°	10305.8
17.5°	9911.9
20°	9479.0
22.5°	9019.7
25°	8461.5
27.5°	7800.3
30°	7066.8
32.5°	6351.3
35°	5622.0
37.5°	4920.4
40°	4331.7
42.5°	3854.2
45°	3408.8
47.5°	3188.9
50°	2854.8
52.5°	2389.9
55°	1930.6
57.5°	1408.6
60°	867.2
62.5°	581.8
65°	457.9
67.5°	377.2
70°	334.1
72.5°	320.1
75°	299.3
77.5°	253.3
80°	181.0
82.5°	121.1
85°	86.3
87.5°	69.6
90°	64.0
92.5°	71.0
95°	84.9
97.5°	104.4
100°	122.5
102.5°	130.8
105°	125.3
107.5°	111.4
110°	91.9



TEST NUMBER: P980593

CATALOG NUMBER: UHBS2-1218-N-L83065-HIGH-6500K-CLR3

CANDELA DISTRIBUTION (continued):

	0°
112.5°	73.8
115°	59.9
117.5°	48.7
120°	41.8
122.5°	37.6
125°	36.2
127.5°	34.8
130°	33.4
132.5°	32.0
135°	32.0
137.5°	32.0
140°	32.0
142.5°	32.0
145°	32.0
147.5°	32.0
150°	32.0
152.5°	32.0
155°	32.0
157.5°	30.6
160°	30.6
162.5°	29.2
165°	27.8
167.5°	27.8
170°	26.4
172.5°	25.1
175°	25.1
177.5°	26.4
180°	26.4

(END OF REPORT)