

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: P980549

Luminaire Tested: UHBS2-1218-M-L83065-HIGH-5000K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980549
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-2)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-1218-M-L83065-HIGH-5000K-CLR3
Description: UHBS2 LED High Bay at 5000K and HIGH lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

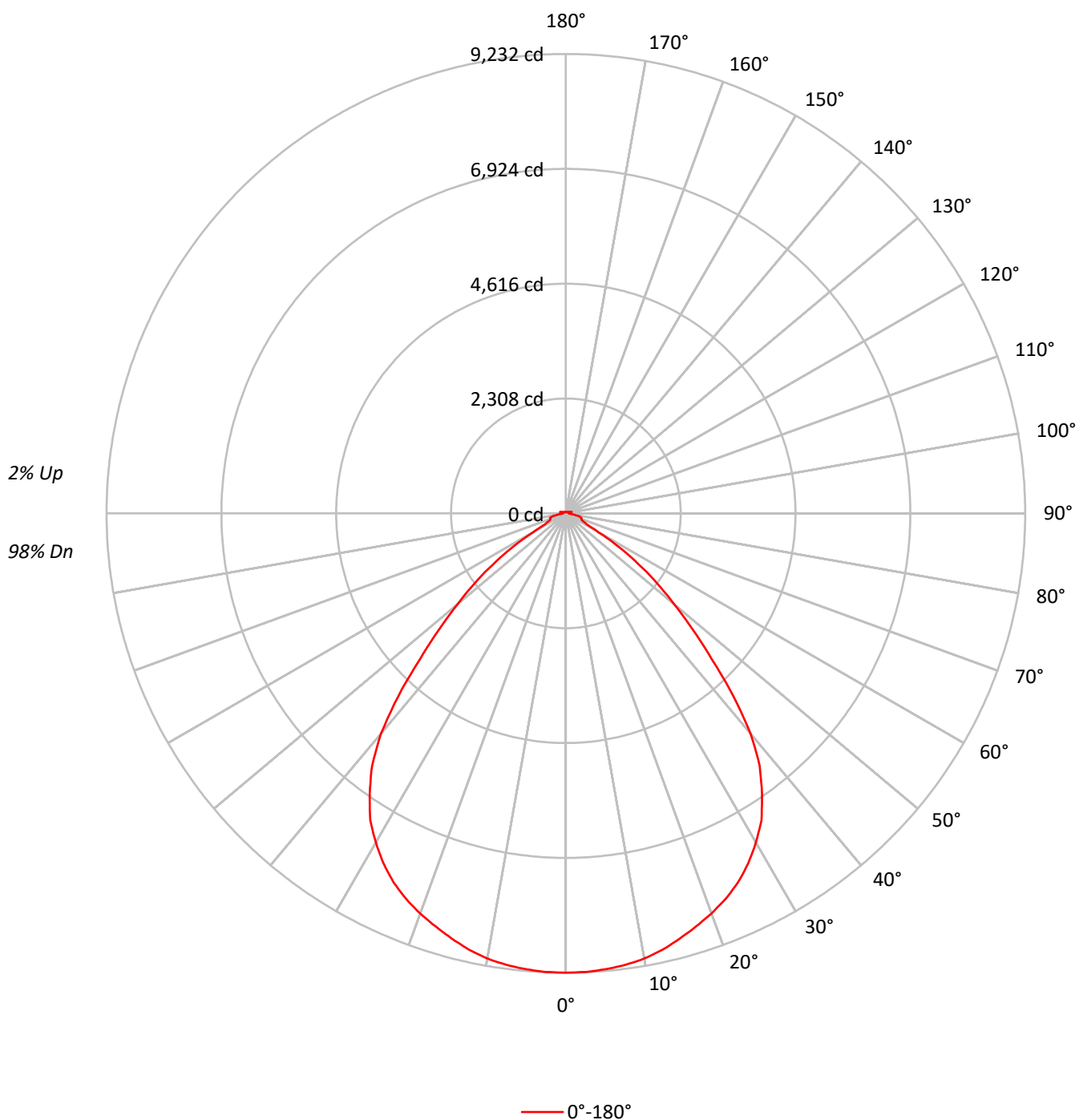
Lumens per Lamp: N/A
Luminaire Lumens: 17461.1 lumens
Efficiency: N/A
Efficacy: 146.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.24
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

Input Watts (W): 119.2
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: P980549

CATALOG NUMBER: UHBS2-1218-M-L83065-HIGH-5000K-CLR3

Luminous Intensity Polar Plot



TEST NUMBER: P980549

CATALOG NUMBER: UHBS2-1218-M-L83065-HIGH-5000K-CLR3

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	110	110	110		105	105	105		100
1	111	107	104	101	108	105	102	99	100	98	96		96	94	93		92
2	103	97	92	87	101	95	90	86	91	87	84		88	85	82		85
3	96	88	81	76	94	86	80	75	83	78	74		80	76	72		77
4	89	80	72	67	87	78	72	66	76	70	65		73	68	64		71
5	83	73	65	59	81	71	64	59	69	63	58		67	62	58		65
6	78	66	59	53	76	65	58	53	63	57	52		62	56	52		60
7	73	61	53	48	71	60	53	48	58	52	47		57	51	47		55
8	68	56	49	44	66	55	48	43	54	48	43		53	47	43		51
9	64	52	45	40	62	51	44	40	50	44	39		49	43	39		48
10	60	48	41	36	59	48	41	36	47	40	36		45	40	36		45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	93058
5°	90888
10°	88719
15°	86037
20°	83501
25°	80760
30°	76813
35°	70996
40°	61840
45°	46534
50°	33726
55°	22675
60°	10354
65°	5883
70°	5517
75°	6087
80°	4454
85°	2423

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 46534 cd/sqm

TEST NUMBER: P980549

CATALOG NUMBER: UHBS2-1218-M-L83065-HIGH-5000K-CLR3

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	874.4	5.0
10°-20°	2497.9	14.3
20°-30°	3760.7	21.5
30°-40°	4263.7	24.4
40°-50°	3243.4	18.6
50°-60°	1598.4	9.2
60°-70°	432.7	2.5
70°-80°	310.8	1.8
80°-90°	110.9	0.6
90°-100°	85.1	0.5
100°-110°	115.6	0.7
110°-120°	62.2	0.4
120°-130°	33.5	0.2
130°-140°	25.3	0.1
140°-150°	21.2	0.1
150°-160°	15.3	0.1
160°-170°	7.8	0.0
170°-180°	2.2	0.0
0°-30°	7133.0	40.9
0°-40°	11396.7	65.3
0°-60°	16238.5	93.0
0°-90°	17092.8	97.9
90°-120°	262.9	1.5
90°-150°	342.9	2.0
90°-180°	368.0	2.1
0°-180°	17461.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9232	
5°	9196	874
15°	8847	2498
25°	8185	3761
35°	6872	4264
45°	4155	3243
55°	1793	1598
65°	391	433
75°	316	311
85°	86	94
90°	58	34
95°	74	68
105°	116	116
115°	61	62
125°	36	33
135°	32	25
145°	34	21
155°	34	15
165°	27	8
175°	23	2
180°	23	

TEST NUMBER: P980549

CATALOG NUMBER: UHBS2-1218-M-L83065-HIGH-5000K-CLR3

CANDELA DISTRIBUTION (FULL):

0°	
0°	9231.5
2.5°	9224.7
5°	9196.4
7.5°	9151.9
10°	9084.5
12.5°	8983.4
15°	8847.2
17.5°	8705.6
20°	8557.3
22.5°	8388.8
25°	8185.2
27.5°	7934.4
30°	7639.2
32.5°	7314.3
35°	6872.0
37.5°	6398.8
40°	5775.9
42.5°	4989.9
45°	4155.3
47.5°	3456.9
50°	2850.2
52.5°	2316.3
55°	1793.2
57.5°	1293.0
60°	756.4
62.5°	474.6
65°	391.0
67.5°	345.2
70°	327.6
72.5°	330.3
75°	315.5
77.5°	269.6
80°	195.5
82.5°	126.7
85°	86.3
87.5°	67.4
90°	58.0
92.5°	63.4
95°	74.2
97.5°	91.7
100°	107.9
102.5°	117.3
105°	115.9
107.5°	105.2
110°	89.0



TEST NUMBER: P980549

CATALOG NUMBER: UHBS2-1218-M-L83065-HIGH-5000K-CLR3

CANDELA DISTRIBUTION (continued):

	0°
112.5°	72.8
115°	60.7
117.5°	49.9
120°	43.1
122.5°	39.1
125°	36.4
127.5°	35.1
130°	33.7
132.5°	32.4
135°	32.4
137.5°	32.4
140°	33.7
142.5°	33.7
145°	33.7
147.5°	33.7
150°	33.7
152.5°	33.7
155°	33.7
157.5°	32.4
160°	31.0
162.5°	28.3
165°	27.0
167.5°	25.6
170°	24.3
172.5°	22.9
175°	22.9
177.5°	22.9
180°	22.9

(END OF REPORT)