

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: P980546

Luminaire Tested: UHBS2-1218-M-L83065-HIGH-4000K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980546
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-4000K-CLR3
Description: UHBS2 LED High Bay at 4000K and HIGH lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

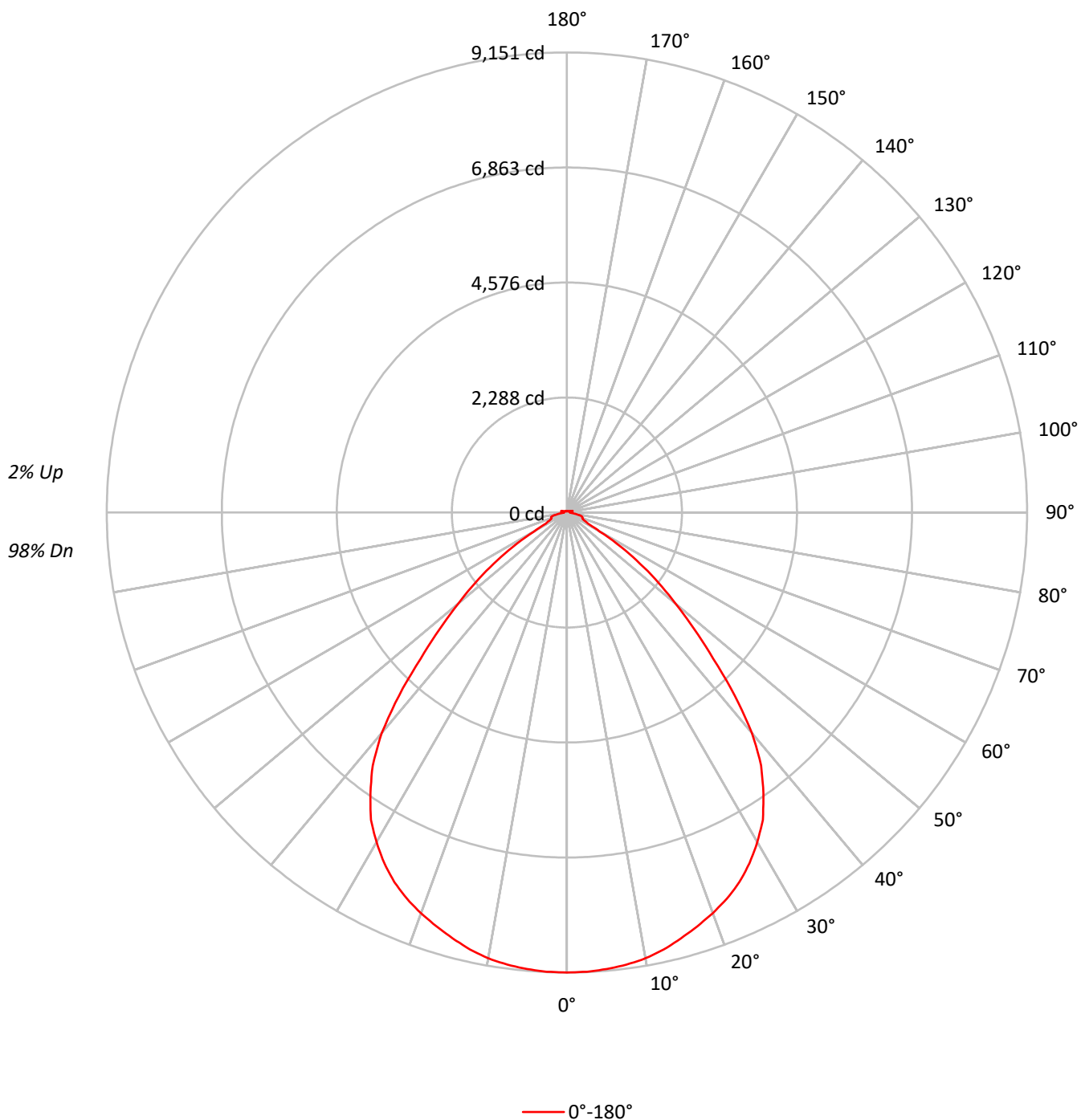
Lumens per Lamp: N/A
Luminaire Lumens: 17307.9 lumens
Efficiency: N/A
Efficacy: 145.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.24
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

Input Watts (W): 119.1
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

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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	116	116	116	116	110	110	110		105	105	105		100	100	100	98
1	111	107	104	101	108	105	102	99	100	98	96		96	94	93		92	91	90	88
2	103	97	92	87	101	95	90	86	91	87	84		88	85	82		85	82	80	78
3	96	88	81	76	94	86	80	75	83	78	74		80	76	72		77	74	71	69
4	89	80	72	67	87	78	72	66	76	70	65		73	68	64		71	67	63	61
5	83	73	65	59	81	71	64	59	69	63	58		67	62	58		65	61	57	55
6	78	66	59	53	76	65	58	53	63	57	52		62	56	52		60	55	51	49
7	73	61	53	48	71	60	53	48	58	52	47		57	51	47		55	50	46	45
8	68	56	49	44	66	55	48	43	54	48	43		53	47	43		51	46	42	41
9	64	52	45	40	62	51	44	40	50	44	39		49	43	39		48	43	39	37
10	60	48	41	36	59	48	41	36	47	40	36		45	40	36		45	39	36	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	92243
5°	90091
10°	87941
15°	85283
20°	82771
25°	80053
30°	76140
35°	70374
40°	61299
45°	46127
50°	33430
55°	22476
60°	10262
65°	5831
70°	5470
75°	6033
80°	4415
85°	2400

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 46127 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	866.7	5.0
10°-20°	2476.0	14.3
20°-30°	3727.8	21.5
30°-40°	4226.3	24.4
40°-50°	3215.0	18.6
50°-60°	1584.4	9.2
60°-70°	428.8	2.5
70°-80°	308.1	1.8
80°-90°	109.9	0.6
90°-100°	84.3	0.5
100°-110°	114.6	0.7
110°-120°	61.6	0.4
120°-130°	33.2	0.2
130°-140°	25.1	0.1
140°-150°	21.0	0.1
150°-160°	15.2	0.1
160°-170°	7.7	0.0
170°-180°	2.2	0.0
0°-30°	7070.5	40.9
0°-40°	11296.8	65.3
0°-60°	16096.2	93.0
0°-90°	16943.0	97.9
90°-120°	260.5	1.5
90°-150°	339.8	2.0
90°-180°	365.0	2.1
0°-180°	17307.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9151	
5°	9116	867
15°	8770	2476
25°	8114	3728
35°	6812	4226
45°	4119	3215
55°	1778	1584
65°	388	429
75°	313	308
85°	86	93
90°	58	34
95°	74	68
105°	115	115
115°	60	62
125°	36	33
135°	32	25
145°	33	21
155°	33	15
165°	27	8
175°	23	2
180°	23	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9150.6
2.5°	9143.9
5°	9115.8
7.5°	9071.7
10°	9004.9
12.5°	8904.7
15°	8769.7
17.5°	8629.4
20°	8482.4
22.5°	8315.3
25°	8113.5
27.5°	7864.9
30°	7572.2
32.5°	7250.2
35°	6811.8
37.5°	6342.7
40°	5725.3
42.5°	4946.1
45°	4118.9
47.5°	3426.6
50°	2825.2
52.5°	2296.0
55°	1777.5
57.5°	1281.6
60°	749.7
62.5°	470.4
65°	387.6
67.5°	342.1
70°	324.8
72.5°	327.4
75°	312.7
77.5°	267.3
80°	193.8
82.5°	125.6
85°	85.5
87.5°	66.8
90°	57.5
92.5°	62.8
95°	73.5
97.5°	90.9
100°	106.9
102.5°	116.3
105°	114.9
107.5°	104.2
110°	88.2



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	72.2
115°	60.1
117.5°	49.4
120°	42.8
122.5°	38.8
125°	36.1
127.5°	34.7
130°	33.4
132.5°	32.1
135°	32.1
137.5°	32.1
140°	33.4
142.5°	33.4
145°	33.4
147.5°	33.4
150°	33.4
152.5°	33.4
155°	33.4
157.5°	32.1
160°	30.7
162.5°	28.1
165°	26.7
167.5°	25.4
170°	24.1
172.5°	22.7
175°	22.7
177.5°	22.7
180°	22.7

(END OF REPORT)