

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: P980618

Luminaire Tested: UHBS2-1218-W-L83065-HIGH-3500K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980618
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-1)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-1218-W-L83065-HIGH-3500K-CLR3
Description: UHBS2 LED High Bay at 3500K and HIGH lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

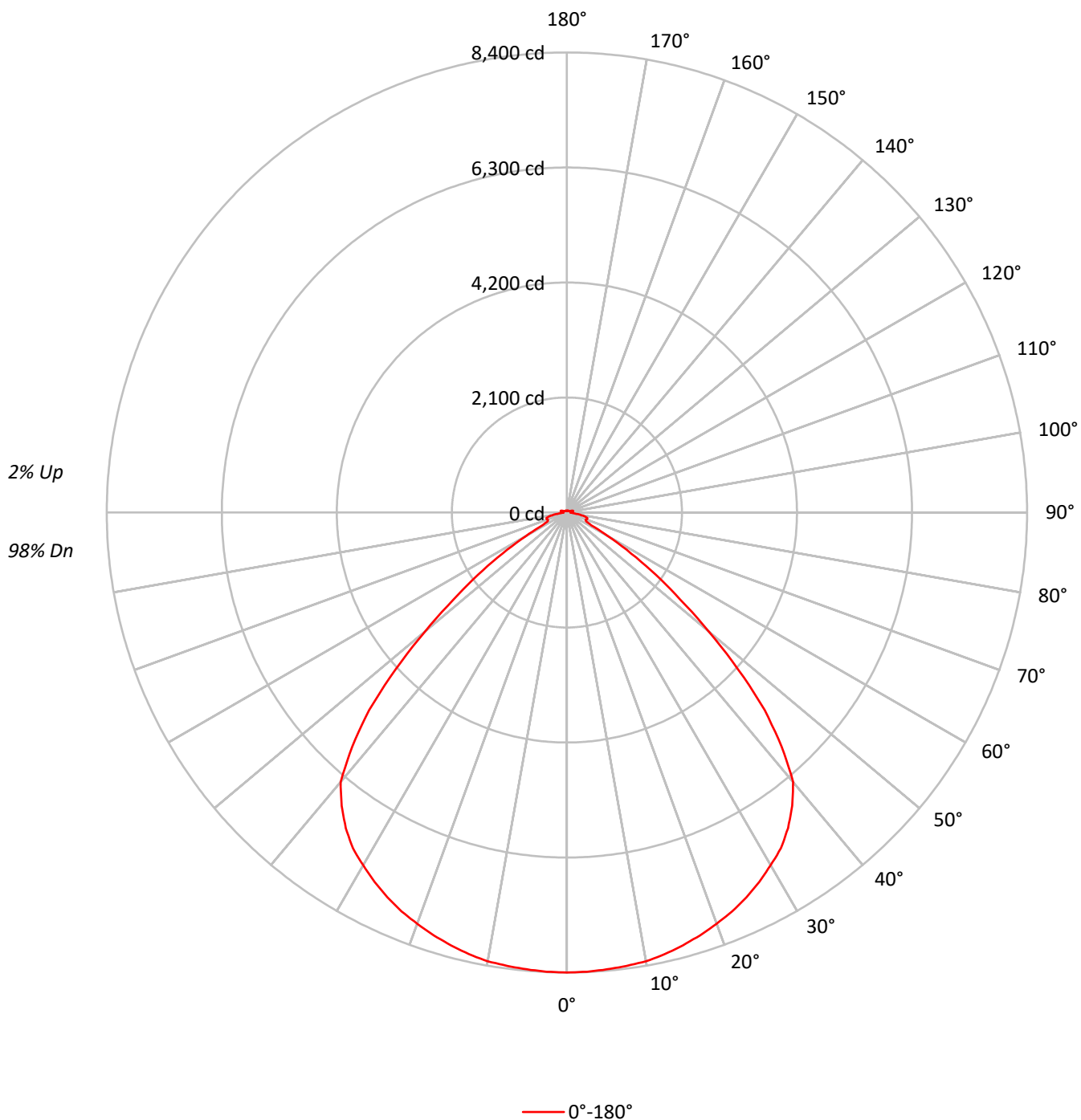
Lumens per Lamp: N/A
Luminaire Lumens: 18085.0 lumens
Efficiency: N/A
Efficacy: 150.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.34
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

Input Watts (W): 120.5
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
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	95		96	94	92		92
2	103	96	91	86	100	94	89	85	90	86	83		87	84	81		84
3	95	87	80	75	93	85	79	74	82	77	72		79	75	71		76
4	88	78	71	65	86	77	70	65	74	68	64		72	67	63		70
5	82	71	63	58	80	70	63	57	68	61	57		66	60	56		64
6	76	65	57	51	74	64	56	51	62	55	50		60	54	50		58
7	71	59	51	46	69	58	51	46	57	50	45		55	49	45		54
8	67	54	47	41	65	54	46	41	52	46	41		51	45	41		50
9	62	50	43	38	61	49	42	37	48	42	37		47	41	37		46
10	58	46	39	34	57	46	39	34	45	38	34		44	38	34		43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	84673
5°	82762
10°	81258
15°	79556
20°	77968
25°	76504
30°	74779
35°	72684
40°	68784
45°	57148
50°	39948
55°	25013
60°	11838
65°	5961
70°	6332
75°	7410
80°	5691
85°	2903

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 57148 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	797.7	4.4
10°-20°	2311.8	12.8
20°-30°	3574.1	19.8
30°-40°	4383.1	24.2
40°-50°	3849.6	21.3
50°-60°	1794.9	9.9
60°-70°	466.3	2.6
70°-80°	376.4	2.1
80°-90°	134.9	0.7
90°-100°	87.3	0.5
100°-110°	119.9	0.7
110°-120°	69.1	0.4
120°-130°	37.9	0.2
130°-140°	28.6	0.2
140°-150°	24.3	0.1
150°-160°	17.7	0.1
160°-170°	9.0	0.0
170°-180°	2.4	0.0
0°-30°	6683.7	37.0
0°-40°	11066.7	61.2
0°-60°	16711.3	92.4
0°-90°	17688.9	97.8
90°-120°	276.3	1.5
90°-150°	367.2	2.0
90°-180°	396.0	2.2
0°-180°	18085.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8400	
5°	8374	798
15°	8181	2312
25°	7754	3574
35°	7035	4383
45°	5103	3850
55°	1978	1795
65°	396	466
75°	384	376
85°	103	116
90°	62	36
95°	76	70
105°	120	120
115°	67	69
125°	42	38
135°	36	29
145°	39	24
155°	39	18
165°	31	9
175°	24	2
180°	24	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8399.7
2.5°	8393.0
5°	8374.2
7.5°	8350.0
10°	8320.5
12.5°	8260.1
15°	8180.8
17.5°	8093.6
20°	7990.2
22.5°	7882.7
25°	7753.8
27.5°	7602.1
30°	7436.9
32.5°	7270.4
35°	7035.4
37.5°	6752.0
40°	6424.4
42.5°	5802.6
45°	5103.0
47.5°	4244.9
50°	3376.0
52.5°	2607.9
55°	1978.1
57.5°	1391.2
60°	864.8
62.5°	502.2
65°	396.2
67.5°	370.6
70°	376.0
72.5°	390.8
75°	384.1
77.5°	337.1
80°	249.8
82.5°	161.1
85°	103.4
87.5°	75.2
90°	61.8
92.5°	65.8
95°	76.5
97.5°	92.7
100°	108.8
102.5°	119.5
105°	119.5
107.5°	111.5
110°	96.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	80.6
115°	67.1
117.5°	56.4
120°	49.7
122.5°	44.3
125°	41.6
127.5°	38.9
130°	37.6
132.5°	36.3
135°	36.3
137.5°	37.6
140°	37.6
142.5°	38.9
145°	38.9
147.5°	38.9
150°	38.9
152.5°	38.9
155°	38.9
157.5°	37.6
160°	34.9
162.5°	33.6
165°	30.9
167.5°	29.5
170°	26.9
172.5°	24.2
175°	24.2
177.5°	24.2
180°	24.2

(END OF REPORT)