

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: P980607

Luminaire Tested: UHBS2-1218-N-L83065-MID-3500K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980607
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-MID-3500K-CLR3
Description: UHBS2 LED High Bay at 3500K and MID lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

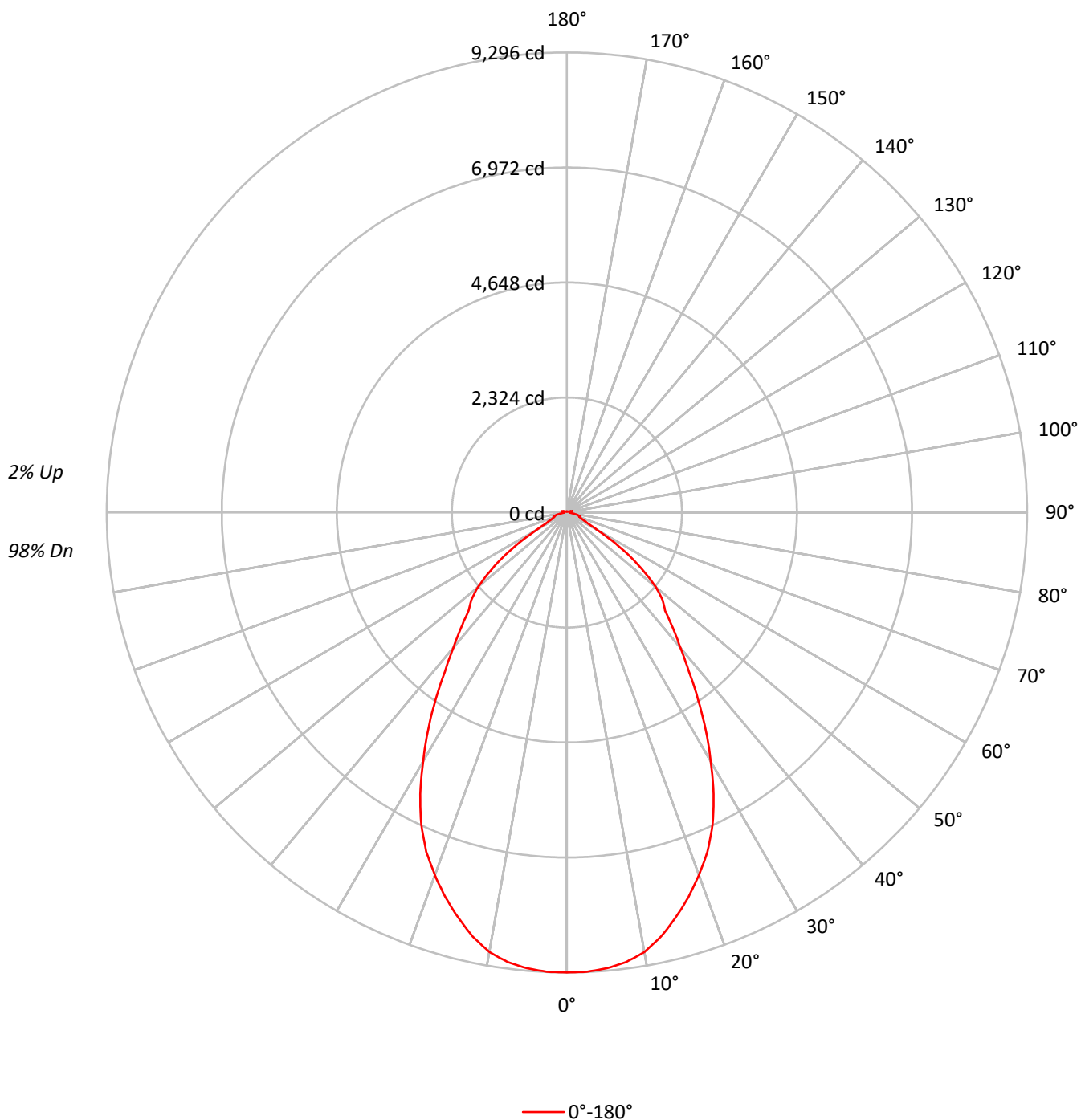
Lumens per Lamp: N/A
Luminaire Lumens: 13986.0 lumens
Efficiency: N/A
Efficacy: 143.3 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

Input Watts (W): 97.6
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.997
Total Harmonic Distortion (THDi): 7.15
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	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°	93712
5°	91366
10°	88059
15°	82443
20°	76087
25°	68677
30°	58453
35°	47779
40°	38151
45°	31403
50°	27788
55°	20081
60°	9764
65°	5667
70°	4628
75°	4750
80°	3392
85°	1993

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31403 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	875.5	6.3
10°-20°	2378.9	17.0
20°-30°	3167.0	22.6
30°-40°	2890.8	20.7
40°-50°	2224.6	15.9
50°-60°	1386.5	9.9
60°-70°	409.3	2.9
70°-80°	245.5	1.8
80°-90°	89.5	0.6
90°-100°	79.3	0.6
100°-110°	103.4	0.7
110°-120°	51.1	0.4
120°-130°	27.0	0.2
130°-140°	20.5	0.1
140°-150°	16.5	0.1
150°-160°	12.0	0.1
160°-170°	6.7	0.0
170°-180°	2.0	0.0
0°-30°	6421.4	45.9
0°-40°	9312.2	66.6
0°-60°	12923.2	92.4
0°-90°	13667.5	97.7
90°-120°	233.8	1.7
90°-150°	297.8	2.1
90°-180°	318.0	2.3
0°-180°	13986.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9296	
5°	9245	875
15°	8478	2379
25°	6960	3167
35°	4625	2891
45°	2804	2225
55°	1588	1386
65°	377	409
75°	246	245
85°	71	74
90°	53	30
95°	70	64
105°	103	103
115°	49	51
125°	30	27
135°	26	20
145°	26	17
155°	26	12
165°	23	7
175°	21	2
180°	22	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9296.3
2.5°	9289.5
5°	9244.8
7.5°	9163.5
10°	9016.9
12.5°	8781.1
15°	8477.6
17.5°	8153.6
20°	7797.5
22.5°	7419.7
25°	6960.5
27.5°	6416.6
30°	5813.2
32.5°	5224.7
35°	4624.7
37.5°	4047.6
40°	3563.3
42.5°	3170.5
45°	2804.1
47.5°	2623.2
50°	2348.4
52.5°	1966.0
55°	1588.1
57.5°	1158.7
60°	713.3
62.5°	478.6
65°	376.7
67.5°	310.3
70°	274.8
72.5°	263.4
75°	246.2
77.5°	208.4
80°	148.9
82.5°	99.6
85°	71.0
87.5°	57.3
90°	52.7
92.5°	58.4
95°	69.8
97.5°	85.9
100°	100.8
102.5°	107.6
105°	103.1
107.5°	91.6
110°	75.6



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	60.7
115°	49.2
117.5°	40.1
120°	34.4
122.5°	30.9
125°	29.8
127.5°	28.6
130°	27.5
132.5°	26.3
135°	26.3
137.5°	26.3
140°	26.3
142.5°	26.3
145°	26.3
147.5°	26.3
150°	26.3
152.5°	26.3
155°	26.3
157.5°	25.2
160°	25.2
162.5°	24.0
165°	22.9
167.5°	22.9
170°	21.8
172.5°	20.6
175°	20.6
177.5°	21.8
180°	21.8

(END OF REPORT)