

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: P1175794

Luminaire Tested: UHBS2-1218-N-L83065-MID-4000K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175794
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2505-439-3)
Test Lab: INNOVATION CENTER
Issue Date: 8/26/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-1218-N-L83065-MID-4000K-CLR6
Description: UHBS2 LED High Bay at 4000K and MID lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

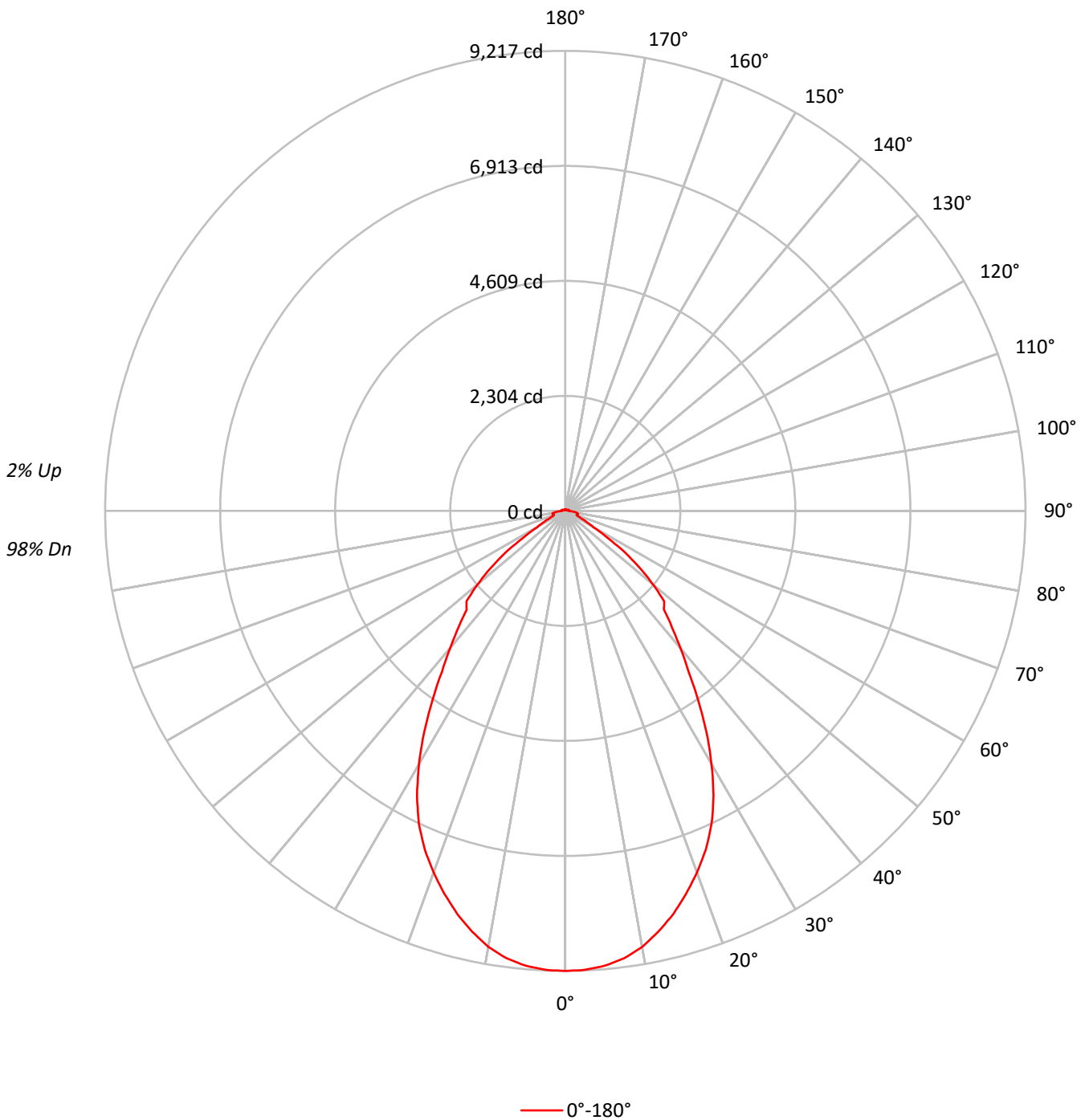
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13901.0 lumens
Efficiency: N/A
Efficacy: 144.1 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.3' x H: 0.5')
CIE Type: Direct

Input Watts (W): 96.5
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			0	
RW	70	50	30	10	70	50	30	10	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			98
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	91	89	87			87
2	103	97	92	87	101	95	90	86	91	87	84	88	85	82	85	82	80	78			78
3	96	88	82	77	94	86	81	76	83	78	74	81	76	73	78	74	71	69			69
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	72	68	64	62			62
5	84	73	66	61	82	72	65	60	70	64	60	68	63	59	66	62	58	56			56
6	79	67	60	55	77	67	60	54	65	58	54	63	57	53	61	56	53	51			51
7	74	62	55	50	72	61	54	49	60	54	49	58	53	49	57	52	48	46			46
8	69	58	50	45	68	57	50	45	56	49	45	54	49	45	53	48	44	42			42
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	44	41	39			39
10	62	50	43	38	60	49	43	38	48	42	38	47	42	38	46	41	38	36			36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	74628
5°	71291
10°	67117
15°	61951
20°	56382
25°	50417
30°	42710
35°	34198
40°	26843
45°	21481
50°	18253
55°	12248
60°	5712
65°	3265
70°	2430
75°	2845
80°	3058
85°	2124

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 21481 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	864.4	6.2
10°-20°	2344.9	16.9
20°-30°	3156.4	22.7
30°-40°	2906.3	20.9
40°-50°	2229.4	16.0
50°-60°	1298.0	9.3
60°-70°	379.7	2.7
70°-80°	267.0	1.9
80°-90°	167.2	1.2
90°-100°	70.4	0.5
100°-110°	78.5	0.6
110°-120°	53.1	0.4
120°-130°	30.1	0.2
130°-140°	19.6	0.1
140°-150°	16.7	0.1
150°-160°	12.2	0.1
160°-170°	5.8	0.0
170°-180°	1.5	0.0
0°-30°	6365.6	45.8
0°-40°	9271.9	66.7
0°-60°	12799.3	92.1
0°-90°	13613.1	97.9
90°-120°	202.0	1.5
90°-150°	268.3	1.9
90°-180°	288.0	2.1
0°-180°	13901.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9217	
5°	9147	864
15°	8359	2345
25°	6931	3156
35°	4645	2906
45°	2794	2229
55°	1474	1298
65°	349	380
75°	257	267
85°	151	144
90°	67	40
95°	61	53
105°	77	79
115°	53	53
125°	33	30
135°	24	20
145°	27	17
155°	27	12
165°	20	6
175°	15	2
180°	14	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9216.7
2.5°	9203.9
5°	9146.6
7.5°	9040.3
10°	8867.5
12.5°	8632.7
15°	8359.4
17.5°	8045.2
20°	7708.8
22.5°	7346.7
25°	6930.9
27.5°	6431.0
30°	5858.7
32.5°	5264.2
35°	4645.1
37.5°	4057.6
40°	3582.3
42.5°	3161.8
45°	2793.9
47.5°	2684.1
50°	2294.0
52.5°	1893.3
55°	1474.0
57.5°	1011.5
60°	651.7
62.5°	477.7
65°	349.2
67.5°	267.5
70°	240.6
72.5°	244.1
75°	257.0
77.5°	264.0
80°	247.6
82.5°	205.6
85°	150.7
87.5°	100.4
90°	66.6
92.5°	59.6
95°	60.7
97.5°	67.7
100°	73.6
102.5°	77.1
105°	77.1
107.5°	72.4
110°	66.6



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	59.6
115°	52.6
117.5°	46.7
120°	42.0
122.5°	37.4
125°	32.7
127.5°	29.2
130°	26.9
132.5°	25.7
135°	24.5
137.5°	24.5
140°	25.7
142.5°	25.7
145°	26.9
147.5°	26.9
150°	28.0
152.5°	28.0
155°	26.9
157.5°	24.5
160°	23.4
162.5°	22.2
165°	19.9
167.5°	18.7
170°	17.5
172.5°	16.4
175°	15.2
177.5°	14.0
180°	14.0

(END OF REPORT)