

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: P1175809

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

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175809
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2505-439-5)
Test Lab: INNOVATION CENTER
Issue Date: 8/26/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-1218-W-L83065-MID-4000K-CLR6
Description: UHBS2 LED High Bay at 4000K and MID lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

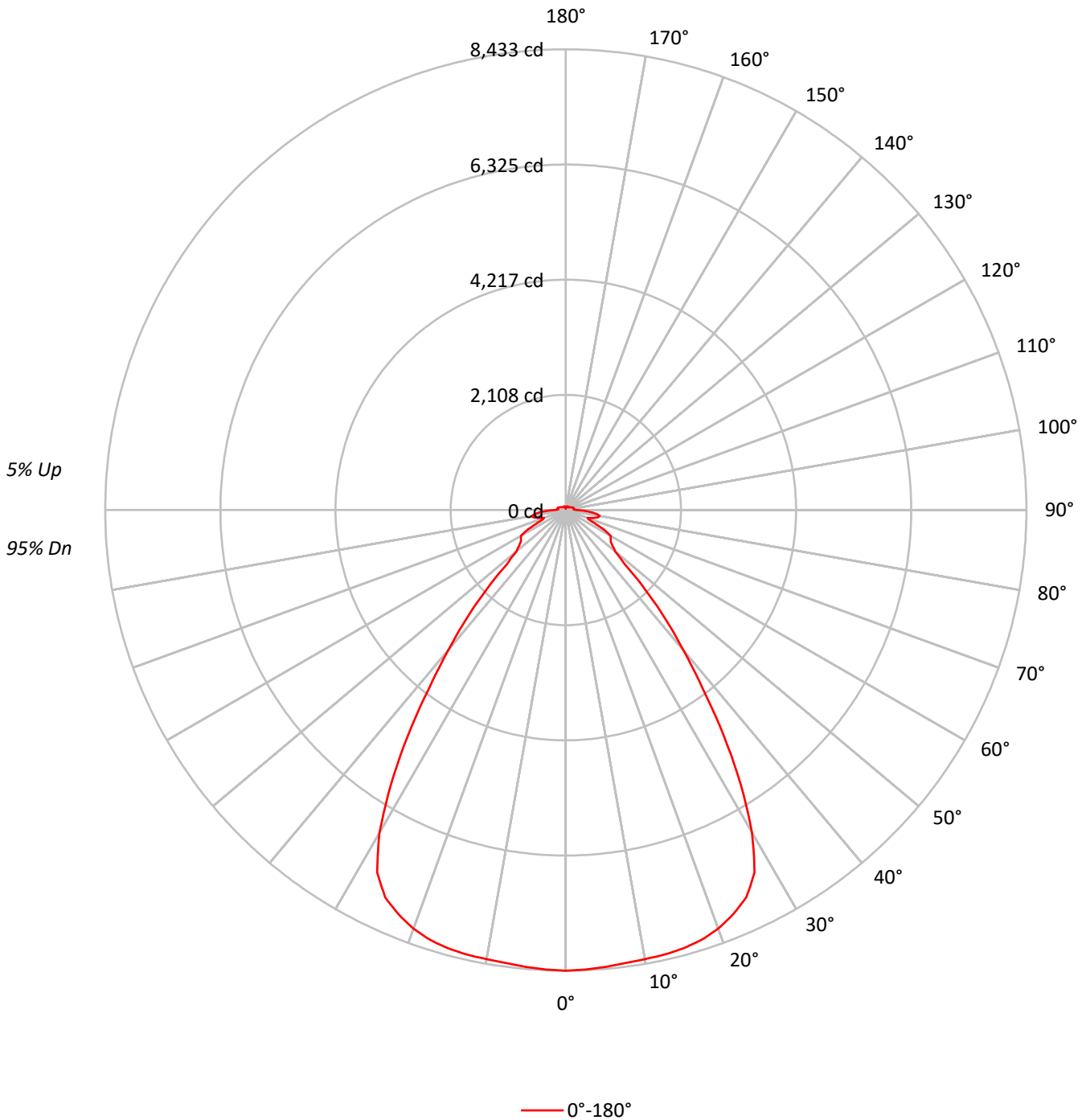
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14719.0 lumens
Efficiency: N/A
Efficacy: 152.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08
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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	98	95
1	109	105	101	98	106	102	99	96	97	95	92	93	90	88	88	87	85	88	87	85	83
2	101	94	89	84	99	92	87	83	88	84	80	84	81	78	81	78	75	81	78	75	73
3	94	86	79	73	92	84	78	73	80	75	71	77	73	69	74	70	67	74	70	67	65
4	88	78	71	65	86	77	70	64	74	68	63	71	66	62	68	64	61	68	64	61	59
5	82	72	64	58	80	70	63	58	68	62	57	65	60	56	63	59	55	63	59	55	53
6	77	66	58	53	75	65	58	52	63	56	52	61	55	51	59	54	50	59	54	50	48
7	72	61	53	48	71	60	53	48	58	52	47	56	51	47	55	50	46	55	50	46	44
8	68	56	49	44	66	56	49	44	54	48	43	52	47	43	51	46	42	51	46	42	41
9	64	52	45	40	63	52	45	40	50	44	40	49	43	39	48	43	39	48	43	39	37
10	61	49	42	37	59	48	42	37	47	41	37	46	40	37	45	40	36	45	40	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	68283
5°	65430
10°	63182
15°	61578
20°	59654
25°	56903
30°	49721
35°	37081
40°	25053
45°	15686
50°	9420
55°	8337
60°	8309
65°	5607
70°	4293
75°	6079
80°	7751
85°	6635

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 15686 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	799.6	5.4
10°-20°	2346.6	15.9
20°-30°	3547.7	24.1
30°-40°	3128.4	21.3
40°-50°	1609.0	10.9
50°-60°	923.0	6.3
60°-70°	628.9	4.3
70°-80°	573.0	3.9
80°-90°	489.2	3.3
90°-100°	167.8	1.1
100°-110°	155.5	1.1
110°-120°	116.2	0.8
120°-130°	80.9	0.5
130°-140°	55.3	0.4
140°-150°	43.4	0.3
150°-160°	33.6	0.2
160°-170°	17.0	0.1
170°-180°	3.9	0.0
0°-30°	6693.9	45.5
0°-40°	9822.3	66.7
0°-60°	12354.4	83.9
0°-90°	14045.5	95.4
90°-120°	439.4	3.0
90°-150°	619.0	4.2
90°-180°	674.0	4.6
0°-180°	14719.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8433	
5°	8395	800
15°	8309	2347
25°	7822	3548
35°	5037	3128
45°	2040	1609
55°	1003	923
65°	600	629
75°	549	573
85°	471	416
90°	208	123
95°	140	118
105°	150	155
115°	116	116
125°	90	81
135°	70	55
145°	69	43
155°	74	34
165°	59	17
175°	37	4
180°	31	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8433.1
2.5°	8419.9
5°	8394.6
7.5°	8363.3
10°	8347.6
12.5°	8336.8
15°	8309.1
17.5°	8252.4
20°	8156.1
22.5°	8009.2
25°	7822.5
27.5°	7481.6
30°	6820.4
32.5°	5967.7
35°	5036.7
37.5°	4111.8
40°	3343.4
42.5°	2678.6
45°	2040.2
47.5°	1452.5
50°	1183.9
52.5°	1079.1
55°	1003.3
57.5°	975.6
60°	947.9
62.5°	809.3
65°	599.8
67.5°	454.1
70°	425.1
72.5°	474.5
75°	549.2
77.5°	613.0
80°	627.5
82.5°	578.1
85°	470.9
87.5°	328.8
90°	208.4
92.5°	155.4
95°	139.7
97.5°	142.1
100°	146.9
102.5°	151.8
105°	150.5
107.5°	144.5
110°	134.9



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	125.3
115°	115.6
117.5°	108.4
120°	101.2
122.5°	96.4
125°	90.3
127.5°	83.1
130°	78.3
132.5°	73.5
135°	69.9
137.5°	68.6
140°	67.4
142.5°	68.6
145°	68.6
147.5°	69.9
150°	72.3
152.5°	73.5
155°	73.5
157.5°	72.3
160°	69.9
162.5°	65.0
165°	59.0
167.5°	53.0
170°	47.0
172.5°	42.2
175°	37.3
177.5°	33.7
180°	31.3

(END OF REPORT)