

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: P1175780

Luminaire Tested: UHBS2-1218-M-L83065-MID-5000K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175780
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-M-L83065-MID-5000K-CLR6
Description: UHBS2 LED High Bay at 5000K and MID lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

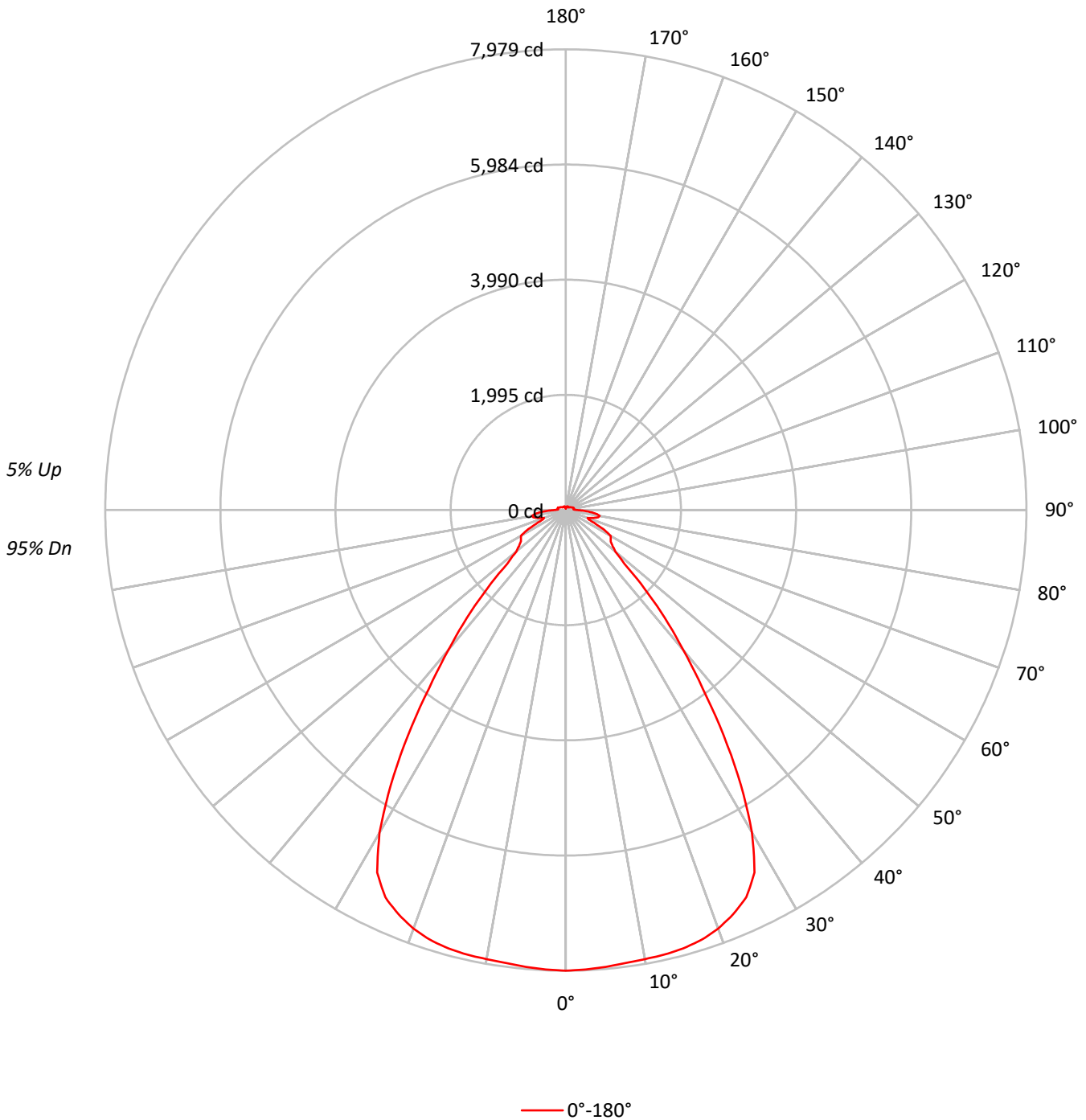
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13926.0 lumens
Efficiency: N/A
Efficacy: 144.2 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): 96.6
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				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°	64605
5°	61905
10°	59778
15°	58261
20°	56440
25°	53837
30°	47043
35°	35084
40°	23703
45°	14841
50°	8912
55°	7888
60°	7861
65°	5305
70°	4061
75°	5752
80°	7333
85°	6278

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14841 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	756.5	5.4
10°-20°	2220.2	15.9
20°-30°	3356.6	24.1
30°-40°	2959.8	21.3
40°-50°	1522.3	10.9
50°-60°	873.3	6.3
60°-70°	595.0	4.3
70°-80°	542.1	3.9
80°-90°	462.9	3.3
90°-100°	158.7	1.1
100°-110°	147.1	1.1
110°-120°	109.9	0.8
120°-130°	76.5	0.5
130°-140°	52.3	0.4
140°-150°	41.1	0.3
150°-160°	31.8	0.2
160°-170°	16.1	0.1
170°-180°	3.7	0.0
0°-30°	6333.3	45.5
0°-40°	9293.2	66.7
0°-60°	11688.7	83.9
0°-90°	13288.8	95.4
90°-120°	415.8	3.0
90°-150°	585.7	4.2
90°-180°	637.0	4.6
0°-180°	13926.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7979	
5°	7942	757
15°	7861	2220
25°	7401	3357
35°	4765	2960
45°	1930	1522
55°	949	873
65°	568	595
75°	520	542
85°	446	393
90°	197	117
95°	132	112
105°	142	147
115°	109	110
125°	86	77
135°	66	52
145°	65	41
155°	70	32
165°	56	16
175°	35	4
180°	30	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7978.8
2.5°	7966.2
5°	7942.3
7.5°	7912.7
10°	7897.9
12.5°	7887.6
15°	7861.4
17.5°	7807.8
20°	7716.7
22.5°	7577.7
25°	7401.0
27.5°	7078.6
30°	6453.0
32.5°	5646.2
35°	4765.4
37.5°	3890.2
40°	3163.2
42.5°	2534.2
45°	1930.3
47.5°	1374.2
50°	1120.1
52.5°	1021.0
55°	949.2
57.5°	923.0
60°	896.8
62.5°	765.7
65°	567.5
67.5°	429.6
70°	402.2
72.5°	449.0
75°	519.6
77.5°	580.0
80°	593.7
82.5°	547.0
85°	445.5
87.5°	311.1
90°	197.1
92.5°	147.0
95°	132.2
97.5°	134.5
100°	139.0
102.5°	143.6
105°	142.4
107.5°	136.7
110°	127.6



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	118.5
115°	109.4
117.5°	102.6
120°	95.7
122.5°	91.2
125°	85.5
127.5°	78.6
130°	74.1
132.5°	69.5
135°	66.1
137.5°	65.0
140°	63.8
142.5°	65.0
145°	65.0
147.5°	66.1
150°	68.4
152.5°	69.5
155°	69.5
157.5°	68.4
160°	66.1
162.5°	61.5
165°	55.8
167.5°	50.1
170°	44.4
172.5°	39.9
175°	35.3
177.5°	31.9
180°	29.6

(END OF REPORT)