

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: P1175779

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

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175779
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-4000K-CLR6
Description: UHBS2 LED High Bay at 4000K and MID lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

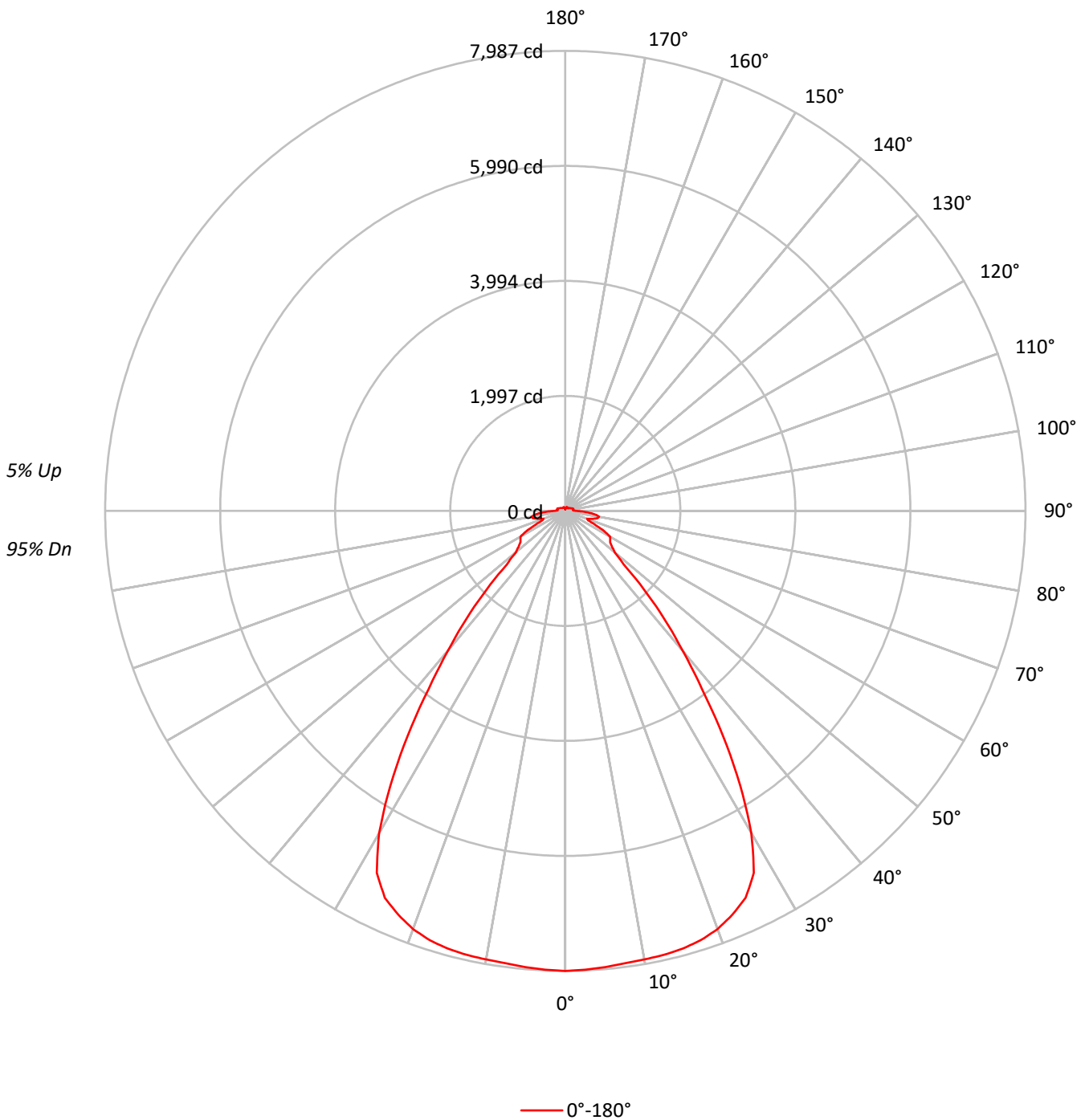
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13941.0 lumens
Efficiency: N/A
Efficacy: 144.5 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°	64674
5°	61972
10°	59843
15°	58324
20°	56501
25°	53895
30°	47093
35°	35121
40°	23729
45°	14858
50°	8922
55°	7896
60°	7869
65°	5311
70°	4066
75°	5758
80°	7341
85°	6285

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14858 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	757.4	5.4
10°-20°	2222.6	15.9
20°-30°	3360.2	24.1
30°-40°	2963.0	21.3
40°-50°	1524.0	10.9
50°-60°	874.2	6.3
60°-70°	595.7	4.3
70°-80°	542.7	3.9
80°-90°	463.3	3.3
90°-100°	158.9	1.1
100°-110°	147.3	1.1
110°-120°	110.0	0.8
120°-130°	76.6	0.5
130°-140°	52.3	0.4
140°-150°	41.2	0.3
150°-160°	31.8	0.2
160°-170°	16.1	0.1
170°-180°	3.7	0.0
0°-30°	6340.1	45.5
0°-40°	9303.2	66.7
0°-60°	11701.3	83.9
0°-90°	13303.1	95.4
90°-120°	416.2	3.0
90°-150°	586.3	4.2
90°-180°	638.0	4.6
0°-180°	13941.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7987	
5°	7951	757
15°	7870	2223
25°	7409	3360
35°	4770	2963
45°	1932	1524
55°	950	874
65°	568	596
75°	520	543
85°	446	394
90°	197	117
95°	132	112
105°	143	147
115°	110	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°	7987.4
2.5°	7974.8
5°	7950.9
7.5°	7921.2
10°	7906.4
12.5°	7896.1
15°	7869.9
17.5°	7816.3
20°	7725.0
22.5°	7585.8
25°	7409.0
27.5°	7086.2
30°	6459.9
32.5°	5652.3
35°	4770.5
37.5°	3894.4
40°	3166.7
42.5°	2537.0
45°	1932.4
47.5°	1375.7
50°	1121.3
52.5°	1022.1
55°	950.2
57.5°	924.0
60°	897.8
62.5°	766.6
65°	568.1
67.5°	430.1
70°	402.7
72.5°	449.4
75°	520.2
77.5°	580.6
80°	594.3
82.5°	547.5
85°	446.0
87.5°	311.4
90°	197.3
92.5°	147.2
95°	132.3
97.5°	134.6
100°	139.2
102.5°	143.7
105°	142.6
107.5°	136.9
110°	127.8



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	118.6
115°	109.5
117.5°	102.7
120°	95.8
122.5°	91.3
125°	85.6
127.5°	78.7
130°	74.1
132.5°	69.6
135°	66.2
137.5°	65.0
140°	63.9
142.5°	65.0
145°	65.0
147.5°	66.2
150°	68.4
152.5°	69.6
155°	69.6
157.5°	68.4
160°	66.2
162.5°	61.6
165°	55.9
167.5°	50.2
170°	44.5
172.5°	39.9
175°	35.4
177.5°	31.9
180°	29.7

(END OF REPORT)