

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: P1175803

Luminaire Tested: UHBS2-1218-W-L83065-LOW-3500K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175803
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-LOW-3500K-CLR6
Description: UHBS2 LED High Bay at 3500K and LOW lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

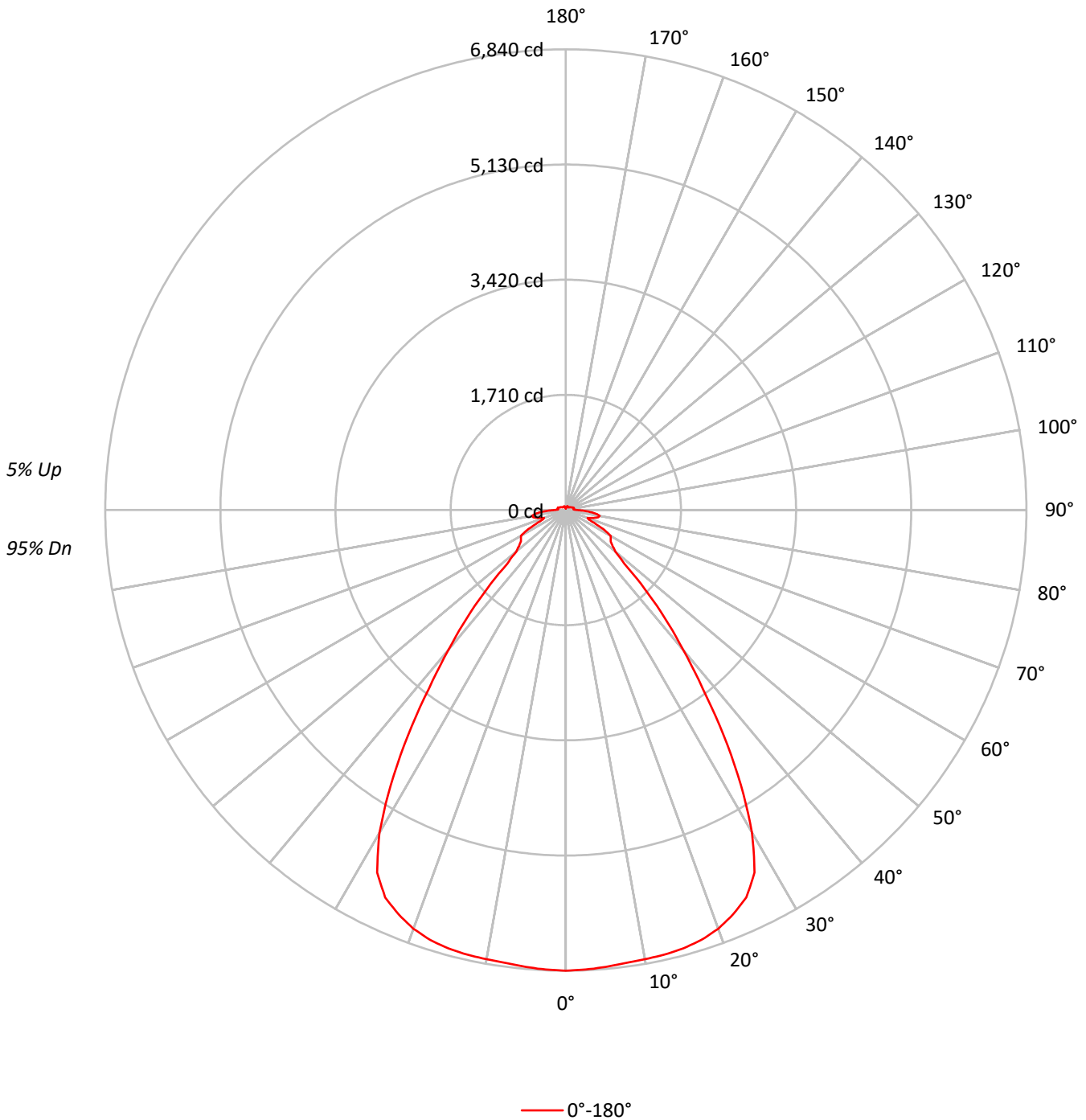
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11939.0 lumens
Efficiency: N/A
Efficacy: 150.4 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): 79.4
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.997
Total Harmonic Distortion (THDi): 7.2
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°	55386
5°	53072
10°	51249
15°	49948
20°	48387
25°	46155
30°	40330
35°	30077
40°	20321
45°	12724
50°	7641
55°	6762
60°	6739
65°	4548
70°	3482
75°	4931
80°	6287
85°	5383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12724 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	648.6	5.4
10°-20°	1903.4	15.9
20°-30°	2877.6	24.1
30°-40°	2537.5	21.3
40°-50°	1305.1	10.9
50°-60°	748.7	6.3
60°-70°	510.1	4.3
70°-80°	464.8	3.9
80°-90°	396.8	3.3
90°-100°	136.1	1.1
100°-110°	126.1	1.1
110°-120°	94.2	0.8
120°-130°	65.6	0.5
130°-140°	44.8	0.4
140°-150°	35.3	0.3
150°-160°	27.3	0.2
160°-170°	13.8	0.1
170°-180°	3.1	0.0
0°-30°	5429.6	45.5
0°-40°	7967.2	66.7
0°-60°	10021.0	83.9
0°-90°	11392.7	95.4
90°-120°	356.4	3.0
90°-150°	502.1	4.2
90°-180°	546.0	4.6
0°-180°	11939.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6840	
5°	6809	649
15°	6740	1903
25°	6345	2878
35°	4085	2538
45°	1655	1305
55°	814	749
65°	486	510
75°	446	465
85°	382	337
90°	169	100
95°	113	96
105°	122	126
115°	94	94
125°	73	66
135°	57	45
145°	56	35
155°	60	27
165°	48	14
175°	30	3
180°	25	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6840.3
2.5°	6829.6
5°	6809.1
7.5°	6783.7
10°	6771.0
12.5°	6762.2
15°	6739.7
17.5°	6693.8
20°	6615.6
22.5°	6496.5
25°	6345.0
27.5°	6068.6
30°	5532.2
32.5°	4840.6
35°	4085.4
37.5°	3335.2
40°	2711.9
42.5°	2172.7
45°	1654.9
47.5°	1178.2
50°	960.3
52.5°	875.3
55°	813.8
57.5°	791.3
60°	768.8
62.5°	656.5
65°	486.5
67.5°	368.3
70°	344.8
72.5°	384.9
75°	445.5
77.5°	497.2
80°	509.0
82.5°	468.9
85°	382.0
87.5°	266.7
90°	169.0
92.5°	126.0
95°	113.3
97.5°	115.3
100°	119.2
102.5°	123.1
105°	122.1
107.5°	117.2
110°	109.4



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	101.6
115°	93.8
117.5°	87.9
120°	82.1
122.5°	78.2
125°	73.3
127.5°	67.4
130°	63.5
132.5°	59.6
135°	56.7
137.5°	55.7
140°	54.7
142.5°	55.7
145°	55.7
147.5°	56.7
150°	58.6
152.5°	59.6
155°	59.6
157.5°	58.6
160°	56.7
162.5°	52.8
165°	47.9
167.5°	43.0
170°	38.1
172.5°	34.2
175°	30.3
177.5°	27.4
180°	25.4

(END OF REPORT)