

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: P1175771

Luminaire Tested: UHBS2-1218-M-L83065-HIGH-6500K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175771
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-HIGH-6500K-CLR6
Description: UHBS2 LED High Bay at 6500K and HIGH lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

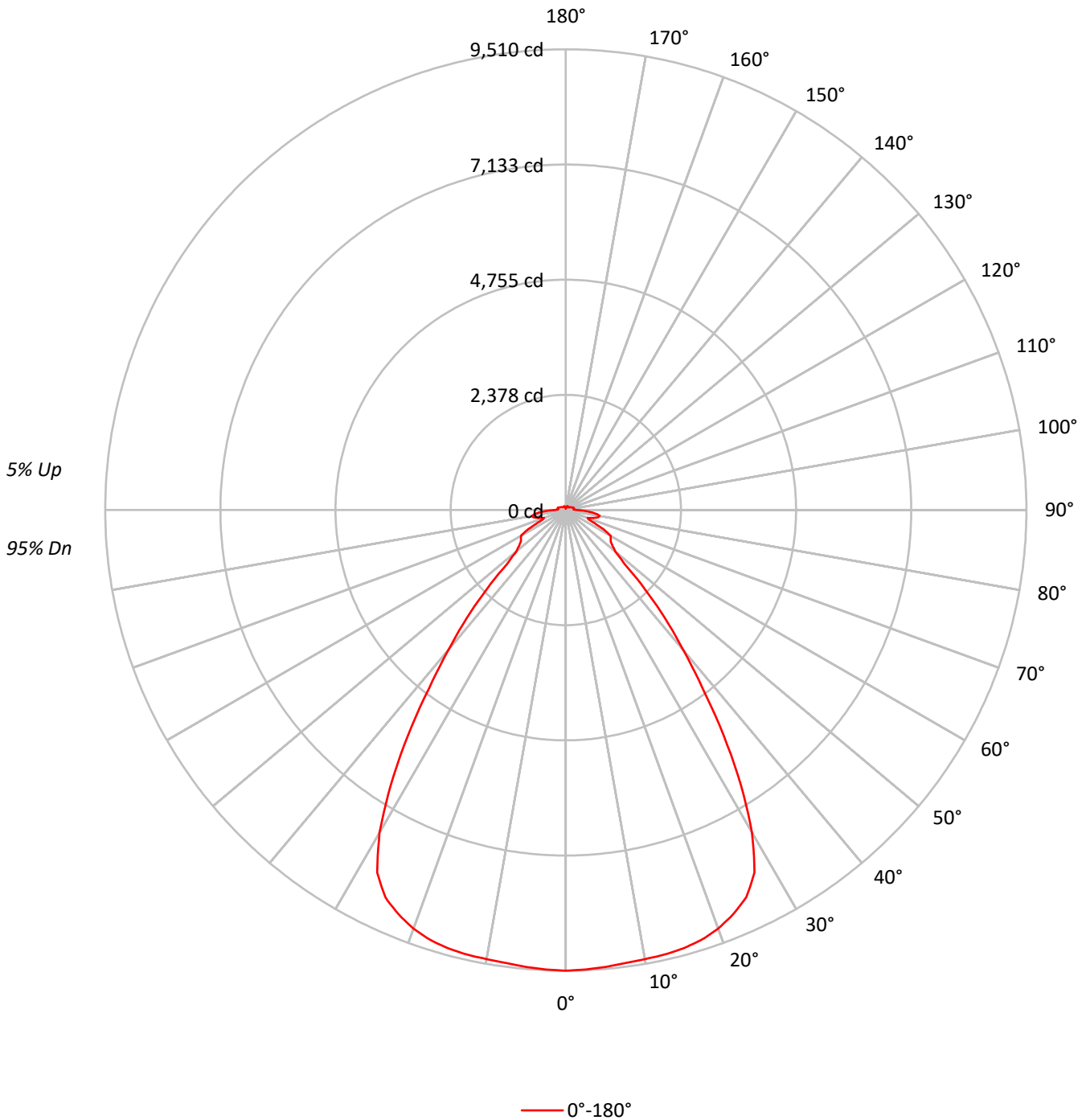
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16598.0 lumens
Efficiency: N/A
Efficacy: 135.9 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): 122.1
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.998
Total Harmonic Distortion (THDi): 6.9
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°	77000
5°	73782
10°	71247
15°	69439
20°	67269
25°	64167
30°	56069
35°	41815
40°	28251
45°	17689
50°	10622
55°	9401
60°	9369
65°	6324
70°	4841
75°	6855
80°	8740
85°	7482

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17689 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	901.7	5.4
10°-20°	2646.2	15.9
20°-30°	4000.6	24.1
30°-40°	3527.8	21.3
40°-50°	1814.4	10.9
50°-60°	1040.8	6.3
60°-70°	709.2	4.3
70°-80°	646.1	3.9
80°-90°	551.7	3.3
90°-100°	189.2	1.1
100°-110°	175.4	1.1
110°-120°	131.0	0.8
120°-130°	91.2	0.5
130°-140°	62.3	0.4
140°-150°	49.0	0.3
150°-160°	37.9	0.2
160°-170°	19.2	0.1
170°-180°	4.4	0.0
0°-30°	7548.5	45.5
0°-40°	11076.2	66.7
0°-60°	13931.5	83.9
0°-90°	15838.5	95.4
90°-120°	495.5	3.0
90°-150°	698.0	4.2
90°-180°	760.0	4.6
0°-180°	16598.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9510	
5°	9466	902
15°	9370	2646
25°	8821	4001
35°	5680	3528
45°	2301	1814
55°	1131	1041
65°	676	709
75°	619	646
85°	531	469
90°	235	139
95°	158	133
105°	170	175
115°	130	131
125°	102	91
135°	79	62
145°	77	49
155°	83	38
165°	66	19
175°	42	4
180°	35	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9509.7
2.5°	9494.7
5°	9466.2
7.5°	9430.9
10°	9413.2
12.5°	9401.0
15°	9369.8
17.5°	9305.9
20°	9197.3
22.5°	9031.6
25°	8821.1
27.5°	8436.7
30°	7691.1
32.5°	6729.6
35°	5679.7
37.5°	4636.7
40°	3770.2
42.5°	3020.5
45°	2300.7
47.5°	1637.9
50°	1335.0
52.5°	1216.9
55°	1131.3
57.5°	1100.1
60°	1068.9
62.5°	912.7
65°	676.4
67.5°	512.0
70°	479.4
72.5°	535.1
75°	619.3
77.5°	691.3
80°	707.6
82.5°	651.9
85°	531.0
87.5°	370.8
90°	235.0
92.5°	175.2
95°	157.5
97.5°	160.3
100°	165.7
102.5°	171.1
105°	169.8
107.5°	163.0
110°	152.1



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	141.2
115°	130.4
117.5°	122.2
120°	114.1
122.5°	108.7
125°	101.9
127.5°	93.7
130°	88.3
132.5°	82.8
135°	78.8
137.5°	77.4
140°	76.1
142.5°	77.4
145°	77.4
147.5°	78.8
150°	81.5
152.5°	82.8
155°	82.8
157.5°	81.5
160°	78.8
162.5°	73.3
165°	66.5
167.5°	59.8
170°	53.0
172.5°	47.5
175°	42.1
177.5°	38.0
180°	35.3

(END OF REPORT)