

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: P1175791

Luminaire Tested: UHBS2-1218-N-L83065-LOW-6500K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175791
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2505-439-3)
Test Lab: INNOVATION CENTER
Issue Date: 8/26/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-1218-N-L83065-LOW-6500K-CLR6
Description: UHBS2 LED High Bay at 6500K and LOW lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

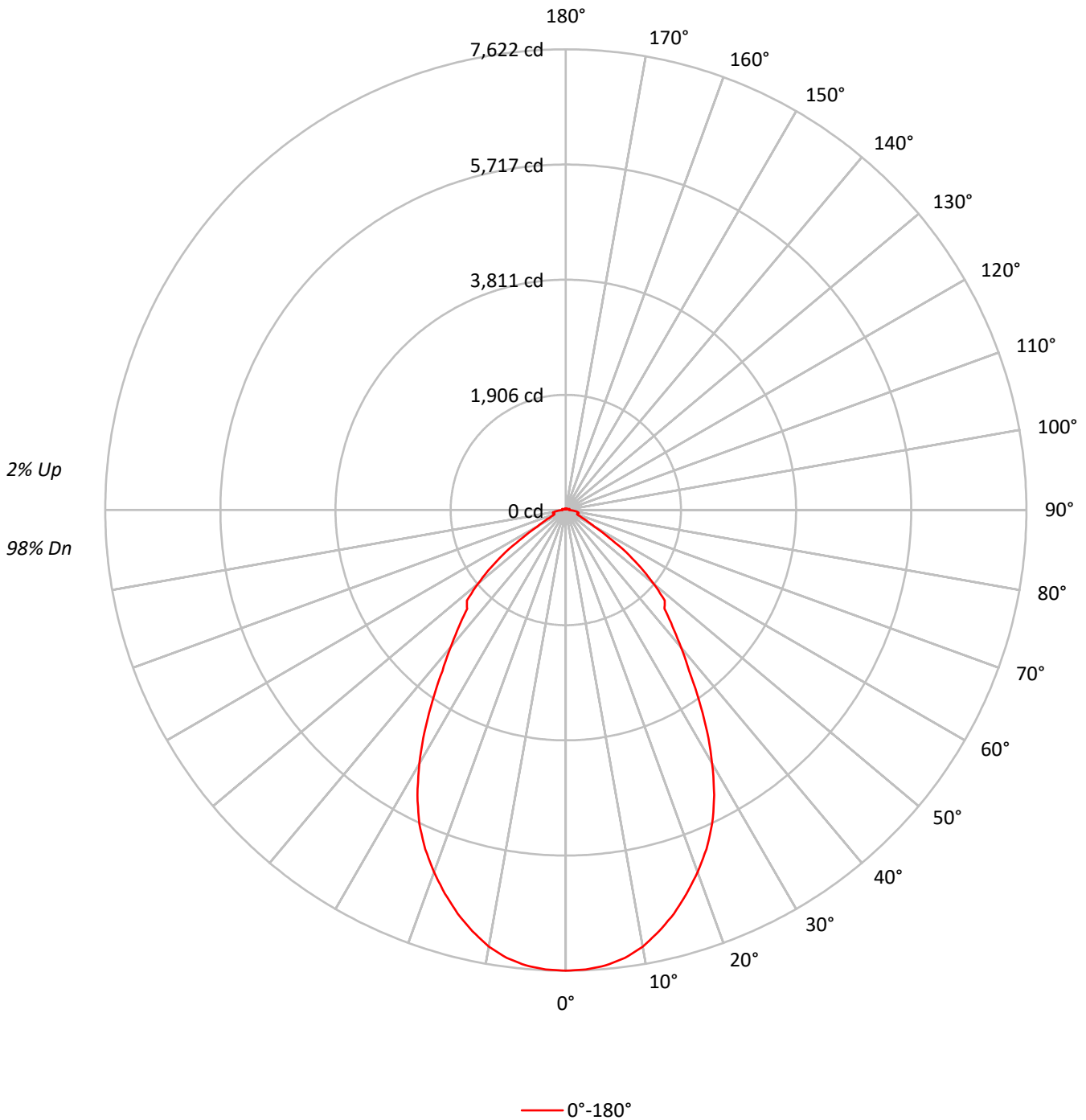
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11495.0 lumens
Efficiency: N/A
Efficacy: 143.0 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.3' x H: 0.5')
CIE Type: Direct

Input Watts (W): 80.4
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				
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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	100	100	100	98
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	91	89	89	89	89	87
2	103	97	92	87	101	95	90	86	91	87	84	88	85	82	85	82	80	80	80	80	78
3	96	88	82	77	94	86	81	76	83	78	74	81	76	73	78	74	71	71	71	71	69
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	72	68	64	64	64	64	62
5	84	73	66	61	82	72	65	60	70	64	60	68	63	59	66	62	58	58	58	58	56
6	79	67	60	55	77	67	60	54	65	58	54	63	57	53	61	56	53	53	53	53	51
7	74	62	55	50	72	61	54	49	60	54	49	58	53	49	57	52	48	48	48	48	46
8	69	58	50	45	68	57	50	45	56	49	45	54	49	45	53	48	44	44	44	44	42
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	44	41	41	41	41	39
10	62	50	43	38	60	49	43	38	48	42	38	47	42	38	46	41	38	38	38	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	61712
5°	58952
10°	55500
15°	51228
20°	46624
25°	41691
30°	35318
35°	28279
40°	22196
45°	17763
50°	15093
55°	10129
60°	4724
65°	2700
70°	2010
75°	2352
80°	2530
85°	1756

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17763 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	714.8	6.2
10°-20°	1939.0	16.9
20°-30°	2610.1	22.7
30°-40°	2403.3	20.9
40°-50°	1843.5	16.0
50°-60°	1073.3	9.3
60°-70°	314.0	2.7
70°-80°	220.8	1.9
80°-90°	138.3	1.2
90°-100°	58.2	0.5
100°-110°	64.9	0.6
110°-120°	43.9	0.4
120°-130°	24.9	0.2
130°-140°	16.2	0.1
140°-150°	13.8	0.1
150°-160°	10.1	0.1
160°-170°	4.8	0.0
170°-180°	1.3	0.0
0°-30°	5263.8	45.8
0°-40°	7667.1	66.7
0°-60°	10583.9	92.1
0°-90°	11256.9	97.9
90°-120°	167.0	1.5
90°-150°	221.8	1.9
90°-180°	238.0	2.1
0°-180°	11495.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7622	
5°	7564	715
15°	6912	1939
25°	5731	2610
35°	3841	2403
45°	2310	1843
55°	1219	1073
65°	289	314
75°	212	221
85°	125	119
90°	55	33
95°	50	44
105°	64	65
115°	44	44
125°	27	25
135°	20	16
145°	22	14
155°	22	10
165°	16	5
175°	13	1
180°	12	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7621.5
2.5°	7610.8
5°	7563.5
7.5°	7475.6
10°	7332.7
12.5°	7138.5
15°	6912.5
17.5°	6652.7
20°	6374.6
22.5°	6075.2
25°	5731.3
27.5°	5317.9
30°	4844.7
32.5°	4353.1
35°	3841.2
37.5°	3355.3
40°	2962.2
42.5°	2614.5
45°	2310.3
47.5°	2219.5
50°	1896.9
52.5°	1565.6
55°	1218.9
57.5°	836.4
60°	538.9
62.5°	395.0
65°	288.8
67.5°	221.2
70°	199.0
72.5°	201.9
75°	212.5
77.5°	218.3
80°	204.8
82.5°	170.0
85°	124.6
87.5°	83.1
90°	55.1
92.5°	49.3
95°	50.2
97.5°	56.0
100°	60.8
102.5°	63.7
105°	63.7
107.5°	59.9
110°	55.1



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	49.3
115°	43.5
117.5°	38.6
120°	34.8
122.5°	30.9
125°	27.0
127.5°	24.1
130°	22.2
132.5°	21.2
135°	20.3
137.5°	20.3
140°	21.2
142.5°	21.2
145°	22.2
147.5°	22.2
150°	23.2
152.5°	23.2
155°	22.2
157.5°	20.3
160°	19.3
162.5°	18.4
165°	16.4
167.5°	15.5
170°	14.5
172.5°	13.5
175°	12.6
177.5°	11.6
180°	11.6

(END OF REPORT)