

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: P1175787

Luminaire Tested: UHBS2-1218-N-L83065-LOW-3000K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175787
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-3000K-CLR6
Description: UHBS2 LED High Bay at 3000K and LOW lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

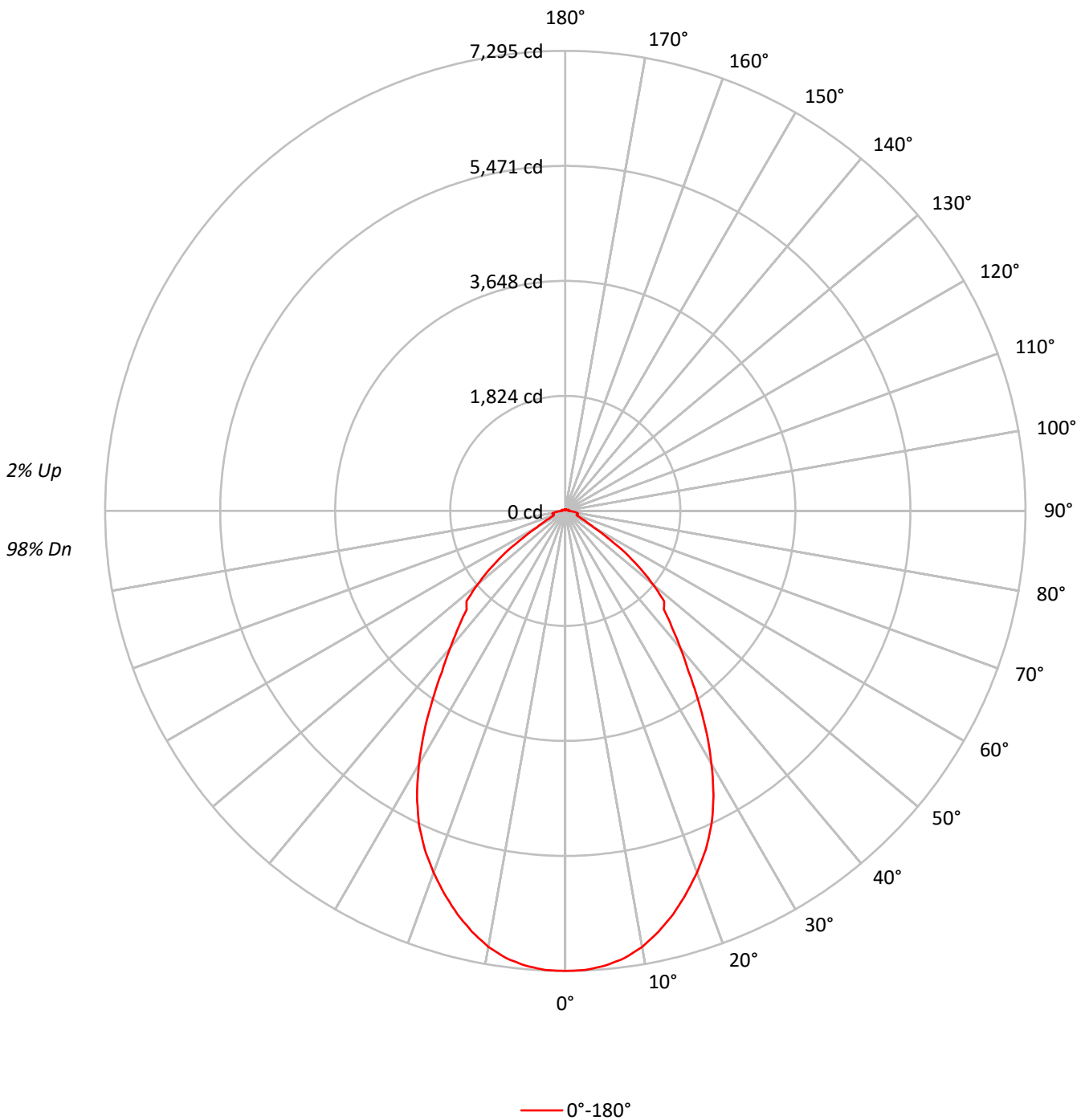
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11002.9 lumens
Efficiency: N/A
Efficacy: 137.2 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): 80.2
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	43
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°	59070
5°	56429
10°	53124
15°	49036
20°	44628
25°	39907
30°	33806
35°	27069
40°	21247
45°	17003
50°	14447
55°	9695
60°	4522
65°	2584
70°	1923
75°	2252
80°	2421
85°	1681

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17003 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	684.2	6.2
10°-20°	1856.0	16.9
20°-30°	2498.4	22.7
30°-40°	2300.4	20.9
40°-50°	1764.6	16.0
50°-60°	1027.4	9.3
60°-70°	300.5	2.7
70°-80°	211.3	1.9
80°-90°	132.3	1.2
90°-100°	55.7	0.5
100°-110°	62.1	0.6
110°-120°	42.0	0.4
120°-130°	23.9	0.2
130°-140°	15.5	0.1
140°-150°	13.2	0.1
150°-160°	9.7	0.1
160°-170°	4.6	0.0
170°-180°	1.2	0.0
0°-30°	5038.5	45.8
0°-40°	7339.0	66.7
0°-60°	10130.9	92.1
0°-90°	10775.0	97.9
90°-120°	159.8	1.5
90°-150°	212.3	1.9
90°-180°	228.0	2.1
0°-180°	11002.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7295	
5°	7240	684
15°	6617	1856
25°	5486	2498
35°	3677	2300
45°	2211	1765
55°	1167	1027
65°	276	300
75°	203	211
85°	119	114
90°	53	32
95°	48	42
105°	61	62
115°	42	42
125°	26	24
135°	19	15
145°	21	13
155°	21	10
165°	16	5
175°	12	1
180°	11	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7295.3
2.5°	7285.1
5°	7239.8
7.5°	7155.7
10°	7018.8
12.5°	6833.0
15°	6616.7
17.5°	6368.0
20°	6101.7
22.5°	5815.1
25°	5486.0
27.5°	5090.3
30°	4637.3
32.5°	4166.7
35°	3676.8
37.5°	3211.7
40°	2835.5
42.5°	2502.6
45°	2211.4
47.5°	2124.5
50°	1815.7
52.5°	1498.6
55°	1166.7
57.5°	800.6
60°	515.9
62.5°	378.1
65°	276.4
67.5°	211.7
70°	190.4
72.5°	193.2
75°	203.4
77.5°	208.9
80°	196.0
82.5°	162.7
85°	119.3
87.5°	79.5
90°	52.7
92.5°	47.1
95°	48.1
97.5°	53.6
100°	58.2
102.5°	61.0
105°	61.0
107.5°	57.3
110°	52.7



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	47.1
115°	41.6
117.5°	37.0
120°	33.3
122.5°	29.6
125°	25.9
127.5°	23.1
130°	21.3
132.5°	20.3
135°	19.4
137.5°	19.4
140°	20.3
142.5°	20.3
145°	21.3
147.5°	21.3
150°	22.2
152.5°	22.2
155°	21.3
157.5°	19.4
160°	18.5
162.5°	17.6
165°	15.7
167.5°	14.8
170°	13.9
172.5°	12.9
175°	12.0
177.5°	11.1
180°	11.1

(END OF REPORT)