

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: P1175799

Luminaire Tested: UHBS2-1218-W-L83065-HIGH-4000K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175799
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-HIGH-4000K-CLR6
Description: UHBS2 LED High Bay at 4000K and HIGH lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

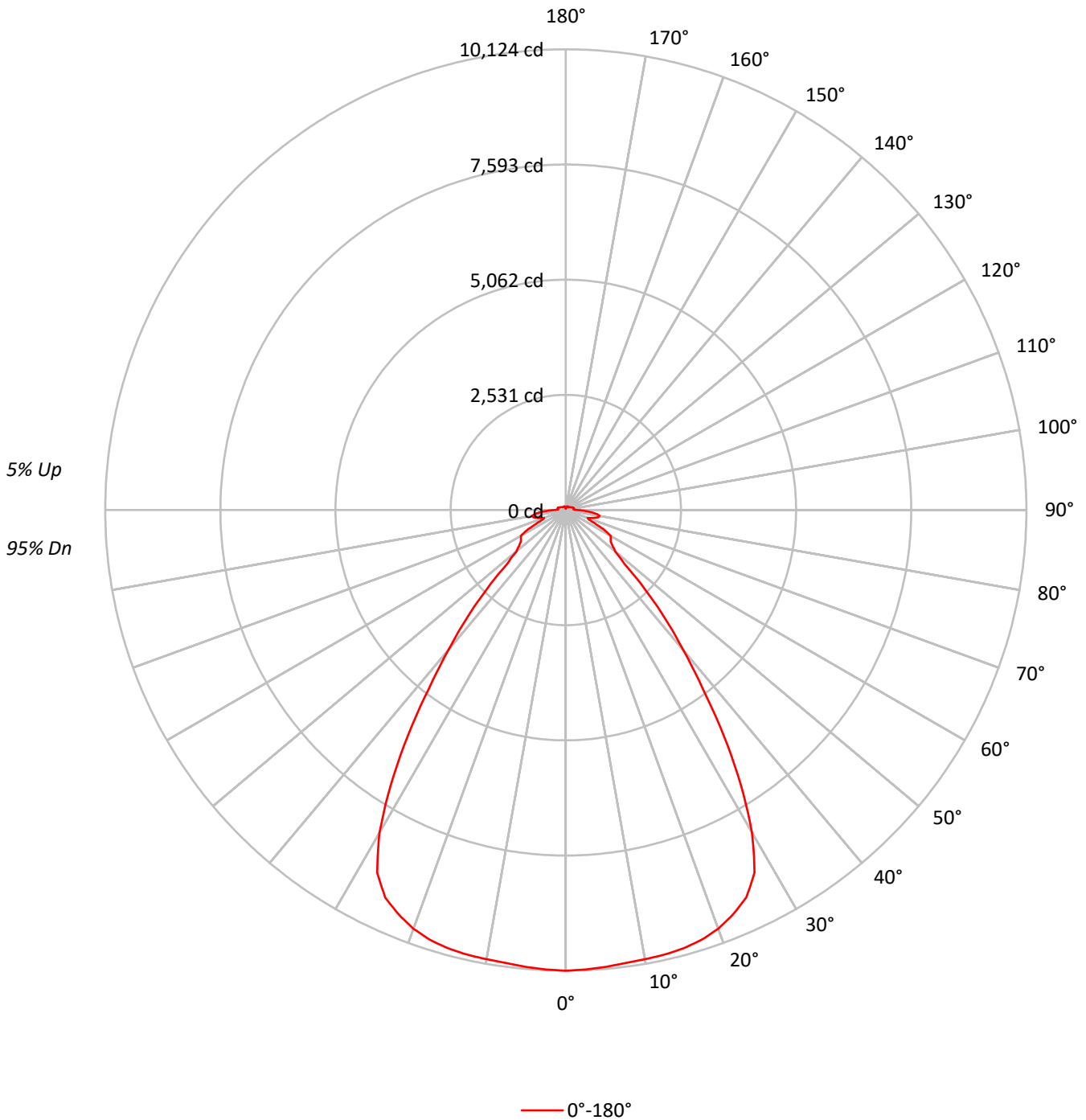
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17671.0 lumens
Efficiency: N/A
Efficacy: 148.4 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): 119.1
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°	81978
5°	78552
10°	75854
15°	73928
20°	71618
25°	68315
30°	59693
35°	44518
40°	30077
45°	18833
50°	11310
55°	10009
60°	9974
65°	6732
70°	5154
75°	7298
80°	9304
85°	7967

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18833 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	960.0	5.4
10°-20°	2817.2	15.9
20°-30°	4259.2	24.1
30°-40°	3755.8	21.3
40°-50°	1931.7	10.9
50°-60°	1108.1	6.3
60°-70°	755.1	4.3
70°-80°	687.9	3.9
80°-90°	587.3	3.3
90°-100°	201.4	1.1
100°-110°	186.7	1.1
110°-120°	139.5	0.8
120°-130°	97.1	0.5
130°-140°	66.3	0.4
140°-150°	52.2	0.3
150°-160°	40.4	0.2
160°-170°	20.4	0.1
170°-180°	4.7	0.0
0°-30°	8036.5	45.5
0°-40°	11792.3	66.7
0°-60°	14832.1	83.9
0°-90°	16862.4	95.4
90°-120°	527.5	3.0
90°-150°	743.1	4.2
90°-180°	809.0	4.6
0°-180°	17671.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10124	
5°	10078	960
15°	9976	2817
25°	9391	4259
35°	6047	3756
45°	2449	1932
55°	1204	1108
65°	720	755
75°	659	688
85°	565	499
90°	250	148
95°	168	142
105°	181	187
115°	139	139
125°	108	97
135°	84	66
145°	82	52
155°	88	40
165°	71	20
175°	45	5
180°	38	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10124.4
2.5°	10108.5
5°	10078.2
7.5°	10040.6
10°	10021.8
12.5°	10008.8
15°	9975.5
17.5°	9907.5
20°	9791.9
22.5°	9615.5
25°	9391.3
27.5°	8982.1
30°	8188.3
32.5°	7164.6
35°	6046.9
37.5°	4936.4
40°	4013.9
42.5°	3215.8
45°	2449.4
47.5°	1743.8
50°	1421.4
52.5°	1295.6
55°	1204.5
57.5°	1171.2
60°	1137.9
62.5°	971.7
65°	720.1
67.5°	545.1
70°	510.4
72.5°	569.7
75°	659.3
77.5°	736.0
80°	753.3
82.5°	694.0
85°	565.4
87.5°	394.7
90°	250.1
92.5°	186.5
95°	167.7
97.5°	170.6
100°	176.4
102.5°	182.2
105°	180.7
107.5°	173.5
110°	161.9



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	150.4
115°	138.8
117.5°	130.1
120°	121.5
122.5°	115.7
125°	108.4
127.5°	99.8
130°	94.0
132.5°	88.2
135°	83.9
137.5°	82.4
140°	81.0
142.5°	82.4
145°	82.4
147.5°	83.9
150°	86.8
152.5°	88.2
155°	88.2
157.5°	86.8
160°	83.9
162.5°	78.1
165°	70.9
167.5°	63.6
170°	56.4
172.5°	50.6
175°	44.8
177.5°	40.5
180°	37.6

(END OF REPORT)