

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: P1175796

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

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175796
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-MID-6500K-CLR6
Description: UHBS2 LED High Bay at 6500K and MID lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

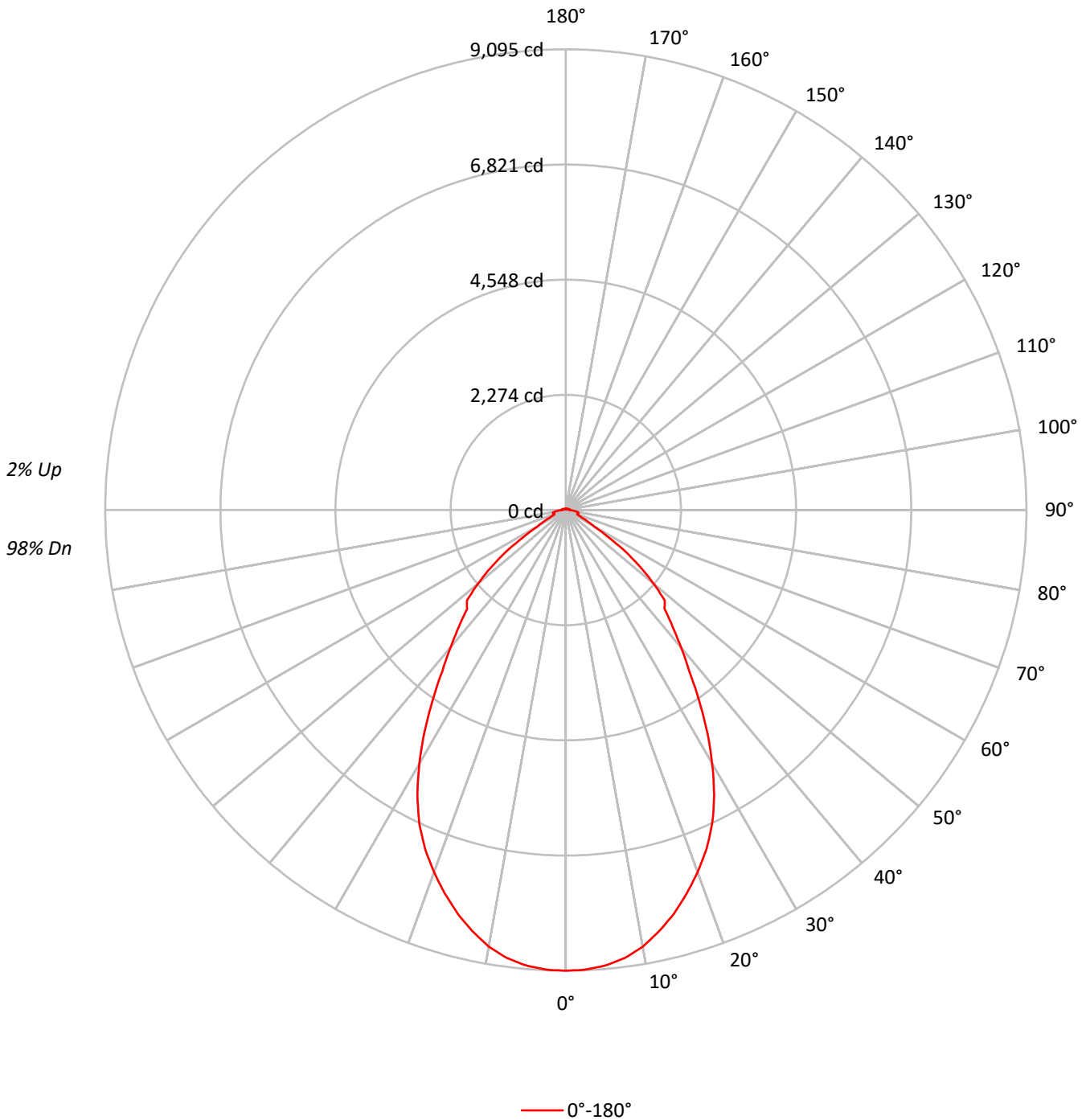
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13717.0 lumens
Efficiency: N/A
Efficacy: 139.0 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): 98.7
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.997
Total Harmonic Distortion (THDi): 7.15
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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100				98
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	91	89				87
2	103	97	92	87	101	95	90	86	91	87	84	88	85	82	85	82	80				78
3	96	88	82	77	94	86	81	76	83	78	74	81	76	73	78	74	71				69
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	72	68	64				62
5	84	73	66	61	82	72	65	60	70	64	60	68	63	59	66	62	58				56
6	79	67	60	55	77	67	60	54	65	58	54	63	57	53	61	56	53				51
7	74	62	55	50	72	61	54	49	60	54	49	58	53	49	57	52	48				46
8	69	58	50	45	68	57	50	45	56	49	45	54	49	45	53	48	44				42
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	44	41				39
10	62	50	43	38	60	49	43	38	48	42	38	47	42	38	46	41	38				36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	73640
5°	70348
10°	66228
15°	61131
20°	55636
25°	49750
30°	42145
35°	33746
40°	26487
45°	21197
50°	18011
55°	12086
60°	5637
65°	3222
70°	2397
75°	2807
80°	3017
85°	2095

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 21197 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	852.9	6.2
10°-20°	2313.8	16.9
20°-30°	3114.6	22.7
30°-40°	2867.8	20.9
40°-50°	2199.8	16.0
50°-60°	1280.8	9.3
60°-70°	374.6	2.7
70°-80°	263.5	1.9
80°-90°	164.9	1.2
90°-100°	69.4	0.5
100°-110°	77.5	0.6
110°-120°	52.4	0.4
120°-130°	29.7	0.2
130°-140°	19.3	0.1
140°-150°	16.5	0.1
150°-160°	12.1	0.1
160°-170°	5.8	0.0
170°-180°	1.5	0.0
0°-30°	6281.3	45.8
0°-40°	9149.2	66.7
0°-60°	12629.8	92.1
0°-90°	13432.9	97.9
90°-120°	199.3	1.5
90°-150°	264.8	1.9
90°-180°	284.0	2.1
0°-180°	13717.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9095	
5°	9026	853
15°	8249	2314
25°	6839	3115
35°	4584	2868
45°	2757	2200
55°	1454	1281
65°	345	375
75°	254	263
85°	149	142
90°	66	40
95°	60	52
105°	76	77
115°	52	52
125°	32	30
135°	24	19
145°	26	16
155°	26	12
165°	20	6
175°	15	2
180°	14	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9094.7
2.5°	9082.0
5°	9025.6
7.5°	8920.7
10°	8750.1
12.5°	8518.4
15°	8248.7
17.5°	7938.7
20°	7606.8
22.5°	7249.5
25°	6839.2
27.5°	6345.9
30°	5781.2
32.5°	5194.5
35°	4583.7
37.5°	4003.9
40°	3534.8
42.5°	3119.9
45°	2756.9
47.5°	2648.5
50°	2263.6
52.5°	1868.3
55°	1454.5
57.5°	998.1
60°	643.1
62.5°	471.4
65°	344.6
67.5°	263.9
70°	237.4
72.5°	240.9
75°	253.6
77.5°	260.5
80°	244.3
82.5°	202.8
85°	148.7
87.5°	99.1
90°	65.7
92.5°	58.8
95°	59.9
97.5°	66.8
100°	72.6
102.5°	76.1
105°	76.1
107.5°	71.5
110°	65.7



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	58.8
115°	51.9
117.5°	46.1
120°	41.5
122.5°	36.9
125°	32.3
127.5°	28.8
130°	26.5
132.5°	25.4
135°	24.2
137.5°	24.2
140°	25.4
142.5°	25.4
145°	26.5
147.5°	26.5
150°	27.7
152.5°	27.7
155°	26.5
157.5°	24.2
160°	23.1
162.5°	21.9
165°	19.6
167.5°	18.4
170°	17.3
172.5°	16.1
175°	15.0
177.5°	13.8
180°	13.8

(END OF REPORT)