

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: P1175795

Luminaire Tested: UHBS2-1218-N-L83065-MID-5000K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175795
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-5000K-CLR6
Description: UHBS2 LED High Bay at 5000K and MID lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

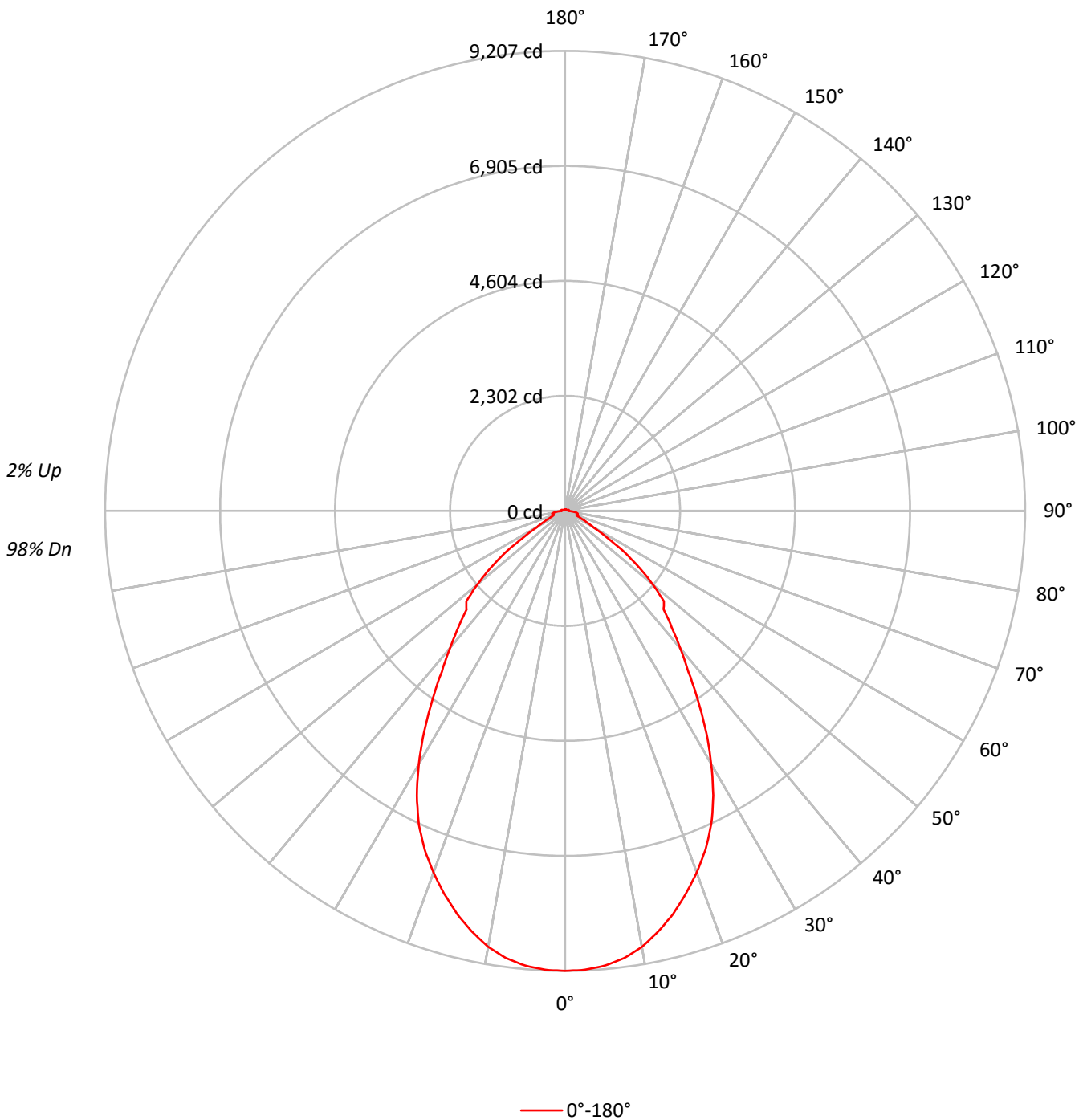
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13886.0 lumens
Efficiency: N/A
Efficacy: 143.7 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): 96.6
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				98
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	91	89	87				87
2	103	97	92	87	101	95	90	86	91	87	84	88	85	82	85	82	80	78				78
3	96	88	82	77	94	86	81	76	83	78	74	81	76	73	78	74	71	69				69
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	72	68	64	62				62
5	84	73	66	61	82	72	65	60	70	64	60	68	63	59	66	62	58	56				56
6	79	67	60	55	77	67	60	54	65	58	54	63	57	53	61	56	53	51				51
7	74	62	55	50	72	61	54	49	60	54	49	58	53	49	57	52	48	46				46
8	69	58	50	45	68	57	50	45	56	49	45	54	49	45	53	48	44	43				43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	44	41	39				39
10	62	50	43	38	60	49	43	38	48	42	38	47	42	38	46	41	38	36				36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	74548
5°	71215
10°	67044
15°	61885
20°	56322
25°	50363
30°	42664
35°	34161
40°	26814
45°	21457
50°	18233
55°	12235
60°	5706
65°	3262
70°	2427
75°	2842
80°	3055
85°	2121

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 21457 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	863.4	6.2
10°-20°	2342.3	16.9
20°-30°	3153.0	22.7
30°-40°	2903.2	20.9
40°-50°	2227.0	16.0
50°-60°	1296.6	9.3
60°-70°	379.3	2.7
70°-80°	266.7	1.9
80°-90°	167.0	1.2
90°-100°	70.3	0.5
100°-110°	78.4	0.6
110°-120°	53.0	0.4
120°-130°	30.1	0.2
130°-140°	19.6	0.1
140°-150°	16.6	0.1
150°-160°	12.2	0.1
160°-170°	5.8	0.0
170°-180°	1.5	0.0
0°-30°	6358.7	45.8
0°-40°	9261.9	66.7
0°-60°	12785.5	92.1
0°-90°	13598.3	97.9
90°-120°	201.7	1.5
90°-150°	268.0	1.9
90°-180°	288.0	2.1
0°-180°	13886.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9207	
5°	9137	863
15°	8350	2342
25°	6923	3153
35°	4640	2903
45°	2791	2227
55°	1472	1297
65°	349	379
75°	257	267
85°	150	144
90°	66	40
95°	61	53
105°	77	78
115°	52	53
125°	33	30
135°	24	20
145°	27	17
155°	27	12
165°	20	6
175°	15	2
180°	14	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9206.8
2.5°	9193.9
5°	9136.8
7.5°	9030.6
10°	8857.9
12.5°	8623.4
15°	8350.4
17.5°	8036.5
20°	7700.5
22.5°	7338.8
25°	6923.4
27.5°	6424.1
30°	5852.4
32.5°	5258.5
35°	4640.1
37.5°	4053.3
40°	3578.4
42.5°	3158.4
45°	2790.8
47.5°	2681.2
50°	2291.5
52.5°	1891.3
55°	1472.4
57.5°	1010.4
60°	651.0
62.5°	477.2
65°	348.9
67.5°	267.2
70°	240.3
72.5°	243.8
75°	256.7
77.5°	263.7
80°	247.3
82.5°	205.3
85°	150.5
87.5°	100.3
90°	66.5
92.5°	59.5
95°	60.7
97.5°	67.7
100°	73.5
102.5°	77.0
105°	77.0
107.5°	72.3
110°	66.5



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	59.5
115°	52.5
117.5°	46.7
120°	42.0
122.5°	37.3
125°	32.7
127.5°	29.2
130°	26.8
132.5°	25.7
135°	24.5
137.5°	24.5
140°	25.7
142.5°	25.7
145°	26.8
147.5°	26.8
150°	28.0
152.5°	28.0
155°	26.8
157.5°	24.5
160°	23.3
162.5°	22.2
165°	19.8
167.5°	18.7
170°	17.5
172.5°	16.3
175°	15.2
177.5°	14.0
180°	14.0

(END OF REPORT)