

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: P1175785

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

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175785
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-HIGH-5000K-CLR6
Description: UHBS2 LED High Bay at 5000K and HIGH lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

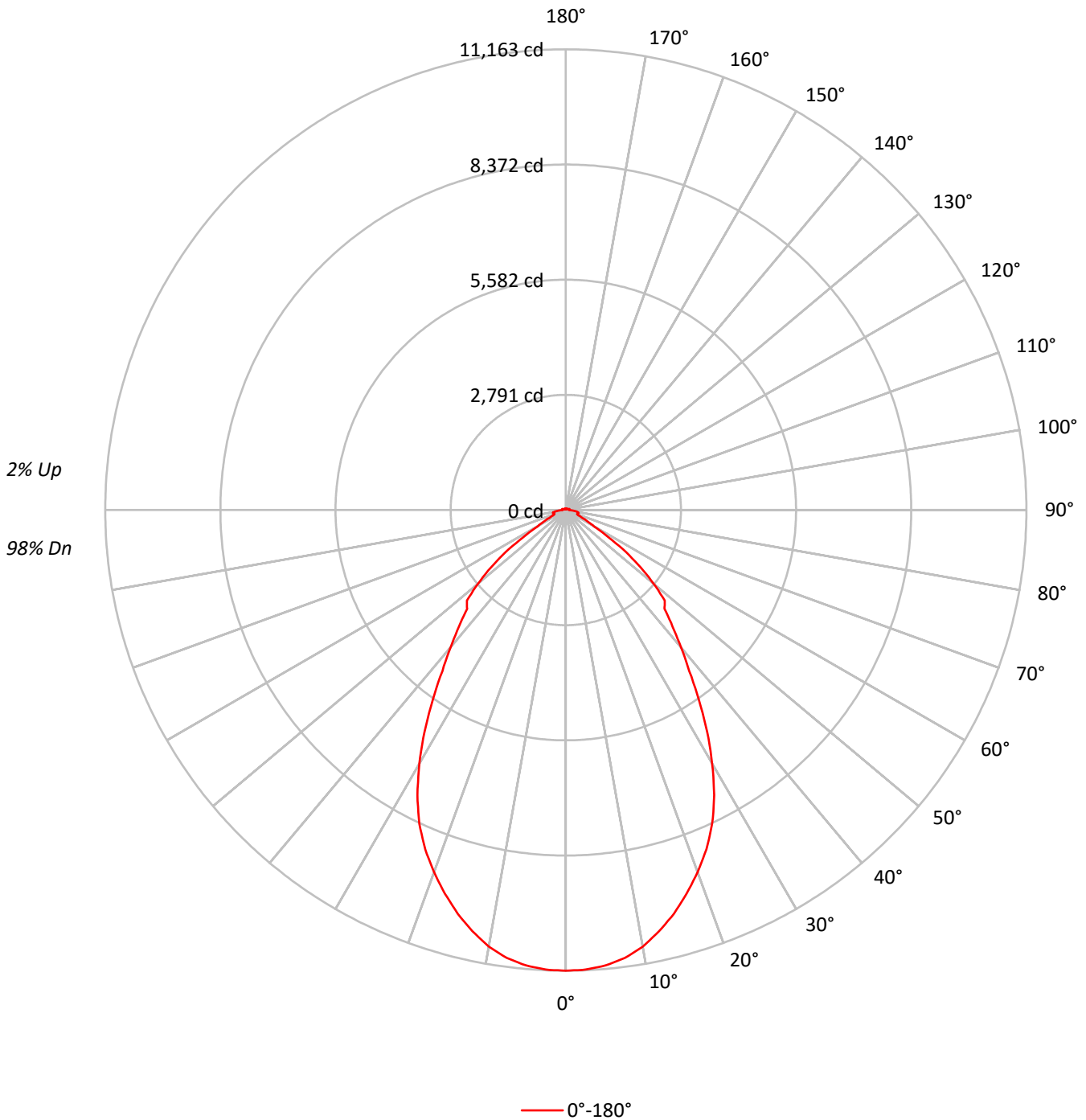
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16836.0 lumens
Efficiency: N/A
Efficacy: 141.2 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): 119.2
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				
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	42			42
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°	90385
5°	86343
10°	81288
15°	75032
20°	68287
25°	61062
30°	51728
35°	41419
40°	32510
45°	26016
50°	22106
55°	14834
60°	6919
65°	3955
70°	2943
75°	3445
80°	3704
85°	2572

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 26016 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1046.9	6.2
10°-20°	2839.9	16.9
20°-30°	3822.8	22.7
30°-40°	3519.9	20.9
40°-50°	2700.1	16.0
50°-60°	1572.1	9.3
60°-70°	459.8	2.7
70°-80°	323.4	1.9
80°-90°	202.5	1.2
90°-100°	85.2	0.5
100°-110°	95.1	0.6
110°-120°	64.3	0.4
120°-130°	36.5	0.2
130°-140°	23.7	0.1
140°-150°	20.2	0.1
150°-160°	14.8	0.1
160°-170°	7.1	0.0
170°-180°	1.8	0.0
0°-30°	7709.6	45.8
0°-40°	11229.6	66.7
0°-60°	15501.7	92.1
0°-90°	16487.3	97.9
90°-120°	244.6	1.5
90°-150°	324.9	1.9
90°-180°	349.0	2.1
0°-180°	16836.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11163	
5°	11078	###
15°	10124	2840
25°	8394	3823
35°	5626	3520
45°	3384	2700
55°	1785	1572
65°	423	460
75°	311	323
85°	182	175
90°	81	49
95°	74	64
105°	93	95
115°	64	64
125°	40	36
135°	30	24
145°	32	20
155°	32	15
165°	24	7
175°	18	2
180°	17	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	11162.7
2.5°	11147.1
5°	11077.8
7.5°	10949.1
10°	10739.7
12.5°	10455.4
15°	10124.4
17.5°	9743.8
20°	9336.4
22.5°	8897.9
25°	8394.3
27.5°	7788.8
30°	7095.7
32.5°	6375.6
35°	5625.9
37.5°	4914.4
40°	4338.6
42.5°	3829.3
45°	3383.7
47.5°	3250.8
50°	2778.3
52.5°	2293.1
55°	1785.2
57.5°	1225.1
60°	789.4
62.5°	578.6
65°	423.0
67.5°	323.9
70°	291.4
72.5°	295.7
75°	311.2
77.5°	319.7
80°	299.9
82.5°	249.0
85°	182.5
87.5°	121.7
90°	80.6
92.5°	72.1
95°	73.6
97.5°	82.0
100°	89.1
102.5°	93.4
105°	93.4
107.5°	87.7
110°	80.6



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	72.1
115°	63.7
117.5°	56.6
120°	50.9
122.5°	45.3
125°	39.6
127.5°	35.4
130°	32.5
132.5°	31.1
135°	29.7
137.5°	29.7
140°	31.1
142.5°	31.1
145°	32.5
147.5°	32.5
150°	34.0
152.5°	34.0
155°	32.5
157.5°	29.7
160°	28.3
162.5°	26.9
165°	24.0
167.5°	22.6
170°	21.2
172.5°	19.8
175°	18.4
177.5°	17.0
180°	17.0

(END OF REPORT)