

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: P1175772

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

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175772
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-M-L83065-LOW-3000K-CLR6
Description: UHBS2 LED High Bay at 3000K and LOW lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

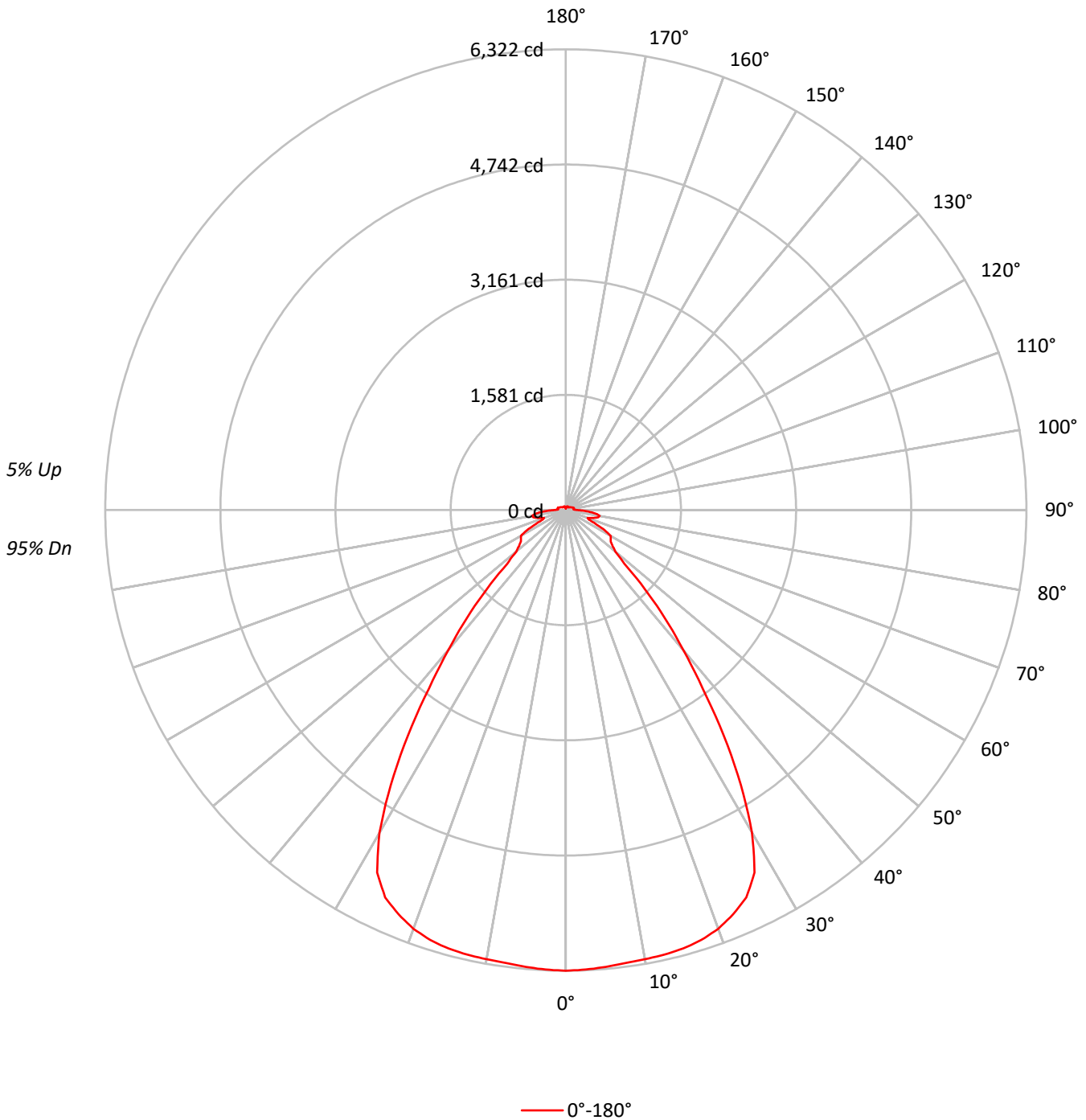
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11035.1 lumens
Efficiency: N/A
Efficacy: 137.6 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): 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				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°	51193
5°	49053
10°	47368
15°	46166
20°	44723
25°	42661
30°	37277
35°	27800
40°	18783
45°	11761
50°	7062
55°	6251
60°	6229
65°	4204
70°	3218
75°	4557
80°	5810
85°	4976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 11761 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	599.5	5.4
10°-20°	1759.3	15.9
20°-30°	2659.8	24.1
30°-40°	2345.4	21.3
40°-50°	1206.3	10.9
50°-60°	692.0	6.3
60°-70°	471.5	4.3
70°-80°	429.6	3.9
80°-90°	366.8	3.3
90°-100°	125.8	1.1
100°-110°	116.6	1.1
110°-120°	87.1	0.8
120°-130°	60.6	0.5
130°-140°	41.4	0.4
140°-150°	32.6	0.3
150°-160°	25.2	0.2
160°-170°	12.8	0.1
170°-180°	2.9	0.0
0°-30°	5018.5	45.5
0°-40°	7363.9	66.7
0°-60°	9262.2	83.9
0°-90°	10530.1	95.4
90°-120°	329.5	3.0
90°-150°	464.1	4.2
90°-180°	505.0	4.6
0°-180°	11035.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6322	
5°	6294	599
15°	6229	1759
25°	5865	2660
35°	3776	2345
45°	1530	1206
55°	752	692
65°	450	472
75°	412	430
85°	353	312
90°	156	93
95°	105	88
105°	113	117
115°	87	87
125°	68	61
135°	52	41
145°	52	33
155°	55	25
165°	44	13
175°	28	3
180°	24	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6322.4
2.5°	6312.5
5°	6293.5
7.5°	6270.0
10°	6258.3
12.5°	6250.2
15°	6229.4
17.5°	6187.0
20°	6114.7
22.5°	6004.6
25°	5864.6
27.5°	5609.1
30°	5113.4
32.5°	4474.1
35°	3776.1
37.5°	3082.6
40°	2506.6
42.5°	2008.1
45°	1529.6
47.5°	1088.9
50°	887.6
52.5°	809.0
55°	752.2
57.5°	731.4
60°	710.6
62.5°	606.8
65°	449.7
67.5°	340.4
70°	318.7
72.5°	355.8
75°	411.7
77.5°	459.6
80°	470.4
82.5°	433.4
85°	353.1
87.5°	246.5
90°	156.2
92.5°	116.5
95°	104.7
97.5°	106.5
100°	110.2
102.5°	113.8
105°	112.9
107.5°	108.4
110°	101.1



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	93.9
115°	86.7
117.5°	81.3
120°	75.8
122.5°	72.2
125°	67.7
127.5°	62.3
130°	58.7
132.5°	55.1
135°	52.4
137.5°	51.5
140°	50.6
142.5°	51.5
145°	51.5
147.5°	52.4
150°	54.2
152.5°	55.1
155°	55.1
157.5°	54.2
160°	52.4
162.5°	48.8
165°	44.2
167.5°	39.7
170°	35.2
172.5°	31.6
175°	28.0
177.5°	25.3
180°	23.5

(END OF REPORT)