

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: P1175773

Luminaire Tested: UHBS2-1218-M-L83065-LOW-3500K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175773
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-3500K-CLR6
Description: UHBS2 LED High Bay at 3500K and LOW lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

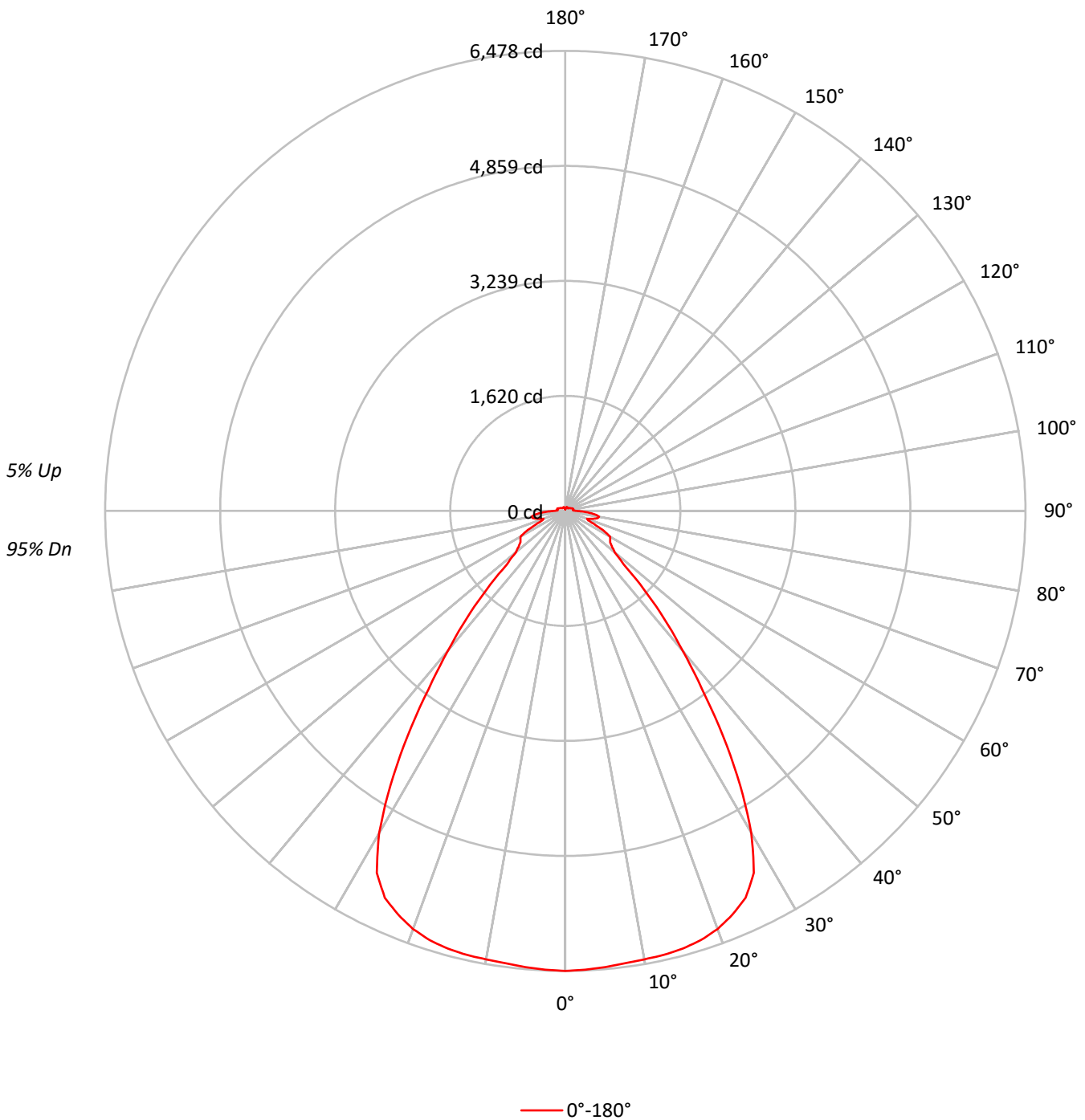
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11307.0 lumens
Efficiency: N/A
Efficacy: 142.4 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): 79.4
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°	52454
5°	50262
10°	48535
15°	47303
20°	45825
25°	43712
30°	38196
35°	28486
40°	19245
45°	12050
50°	7237
55°	6404
60°	6382
65°	4307
70°	3298
75°	4670
80°	5953
85°	5098

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12050 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	614.3	5.4
10°-20°	1802.6	15.9
20°-30°	2725.3	24.1
30°-40°	2403.2	21.3
40°-50°	1236.0	10.9
50°-60°	709.0	6.3
60°-70°	483.1	4.3
70°-80°	440.2	3.9
80°-90°	375.9	3.3
90°-100°	128.9	1.1
100°-110°	119.4	1.1
110°-120°	89.2	0.8
120°-130°	62.1	0.5
130°-140°	42.4	0.4
140°-150°	33.4	0.3
150°-160°	25.8	0.2
160°-170°	13.1	0.1
170°-180°	3.0	0.0
0°-30°	5142.2	45.5
0°-40°	7545.4	66.7
0°-60°	9490.5	83.9
0°-90°	10789.6	95.4
90°-120°	337.6	3.0
90°-150°	475.5	4.2
90°-180°	517.0	4.6
0°-180°	11307.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6478	
5°	6449	614
15°	6383	1803
25°	6009	2725
35°	3869	2403
45°	1567	1236
55°	771	709
65°	461	483
75°	422	440
85°	362	319
90°	160	95
95°	107	91
105°	116	119
115°	89	89
125°	69	62
135°	54	42
145°	53	33
155°	56	26
165°	45	13
175°	29	3
180°	24	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6478.2
2.5°	6468.1
5°	6448.6
7.5°	6424.6
10°	6412.5
12.5°	6404.2
15°	6382.9
17.5°	6339.5
20°	6265.4
22.5°	6152.6
25°	6009.2
27.5°	5747.3
30°	5239.4
32.5°	4584.4
35°	3869.2
37.5°	3158.6
40°	2568.3
42.5°	2057.6
45°	1567.3
47.5°	1115.8
50°	909.5
52.5°	829.0
55°	770.7
57.5°	749.4
60°	728.1
62.5°	621.7
65°	460.7
67.5°	348.8
70°	326.6
72.5°	364.5
75°	421.9
77.5°	470.9
80°	482.0
82.5°	444.1
85°	361.8
87.5°	252.6
90°	160.1
92.5°	119.4
95°	107.3
97.5°	109.2
100°	112.9
102.5°	116.6
105°	115.6
107.5°	111.0
110°	103.6



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	96.2
115°	88.8
117.5°	83.3
120°	77.7
122.5°	74.0
125°	69.4
127.5°	63.8
130°	60.1
132.5°	56.4
135°	53.7
137.5°	52.7
140°	51.8
142.5°	52.7
145°	52.7
147.5°	53.7
150°	55.5
152.5°	56.4
155°	56.4
157.5°	55.5
160°	53.7
162.5°	50.0
165°	45.3
167.5°	40.7
170°	36.1
172.5°	32.4
175°	28.7
177.5°	25.9
180°	24.1

(END OF REPORT)