

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: P1175807

Luminaire Tested: UHBS2-1218-W-L83065-MID-3000K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175807
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-W-L83065-MID-3000K-CLR6
Description: UHBS2 LED High Bay at 3000K and MID lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

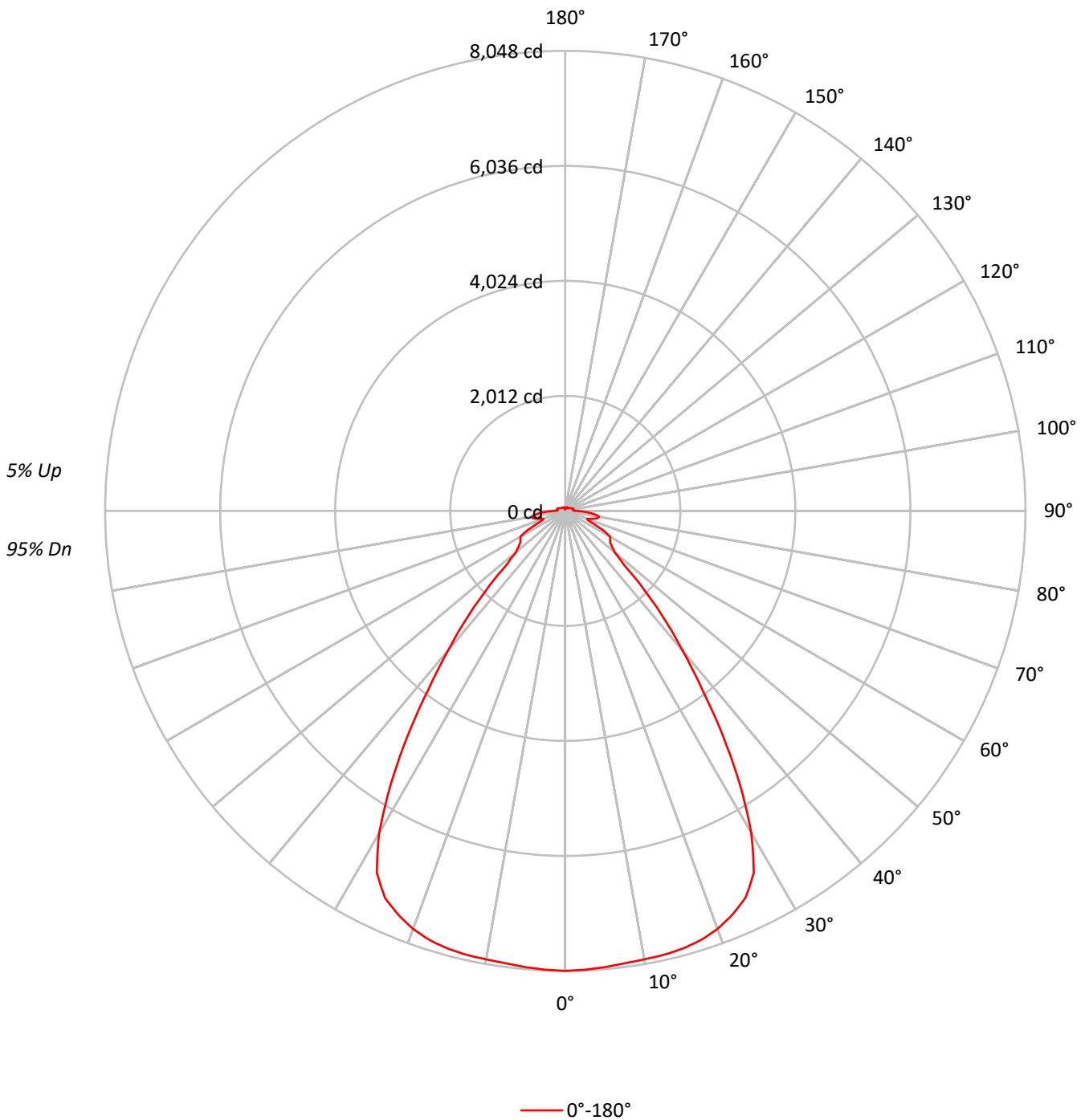
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14046.9 lumens
Efficiency: N/A
Efficacy: 142.0 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): 98.9
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	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°	65166
5°	62442
10°	60297
15°	58767
20°	56930
25°	54304
30°	47451
35°	35388
40°	23909
45°	14971
50°	8990
55°	7956
60°	7929
65°	5351
70°	4097
75°	5801
80°	7396
85°	6332

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14971 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	763.1	5.4
10°-20°	2239.5	15.9
20°-30°	3385.7	24.1
30°-40°	2985.6	21.3
40°-50°	1535.6	10.9
50°-60°	880.9	6.3
60°-70°	600.2	4.3
70°-80°	546.8	3.9
80°-90°	466.9	3.3
90°-100°	160.1	1.1
100°-110°	148.4	1.1
110°-120°	110.8	0.8
120°-130°	77.2	0.5
130°-140°	52.7	0.4
140°-150°	41.5	0.3
150°-160°	32.1	0.2
160°-170°	16.2	0.1
170°-180°	3.7	0.0
0°-30°	6388.3	45.5
0°-40°	9373.9	66.7
0°-60°	11790.3	83.9
0°-90°	13404.2	95.4
90°-120°	419.3	3.0
90°-150°	590.7	4.2
90°-180°	643.0	4.6
0°-180°	14046.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8048	
5°	8011	763
15°	7930	2239
25°	7465	3386
35°	4807	2986
45°	1947	1536
55°	957	881
65°	572	600
75°	524	547
85°	449	397
90°	199	118
95°	133	113
105°	144	148
115°	110	111
125°	86	77
135°	67	53
145°	66	41
155°	70	32
165°	56	16
175°	36	4
180°	30	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8048.1
2.5°	8035.4
5°	8011.3
7.5°	7981.4
10°	7966.5
12.5°	7956.1
15°	7929.7
17.5°	7875.7
20°	7783.7
22.5°	7643.5
25°	7465.3
27.5°	7140.1
30°	6509.0
32.5°	5695.3
35°	4806.8
37.5°	3924.0
40°	3190.7
42.5°	2556.3
45°	1947.1
47.5°	1386.2
50°	1129.9
52.5°	1029.9
55°	957.4
57.5°	931.0
60°	904.6
62.5°	772.4
65°	572.4
67.5°	433.3
70°	405.7
72.5°	452.9
75°	524.1
77.5°	585.0
80°	598.8
82.5°	551.7
85°	449.4
87.5°	313.8
90°	198.8
92.5°	148.3
95°	133.3
97.5°	135.6
100°	140.2
102.5°	144.8
105°	143.7
107.5°	137.9
110°	128.7



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	119.5
115°	110.3
117.5°	103.4
120°	96.5
122.5°	92.0
125°	86.2
127.5°	79.3
130°	74.7
132.5°	70.1
135°	66.7
137.5°	65.5
140°	64.4
142.5°	65.5
145°	65.5
147.5°	66.7
150°	69.0
152.5°	70.1
155°	70.1
157.5°	69.0
160°	66.7
162.5°	62.1
165°	56.3
167.5°	50.6
170°	44.8
172.5°	40.2
175°	35.6
177.5°	32.2
180°	29.9

(END OF REPORT)