

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: P1175802

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

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175802
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-LOW-3000K-CLR6
Description: UHBS2 LED High Bay at 3000K and LOW lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

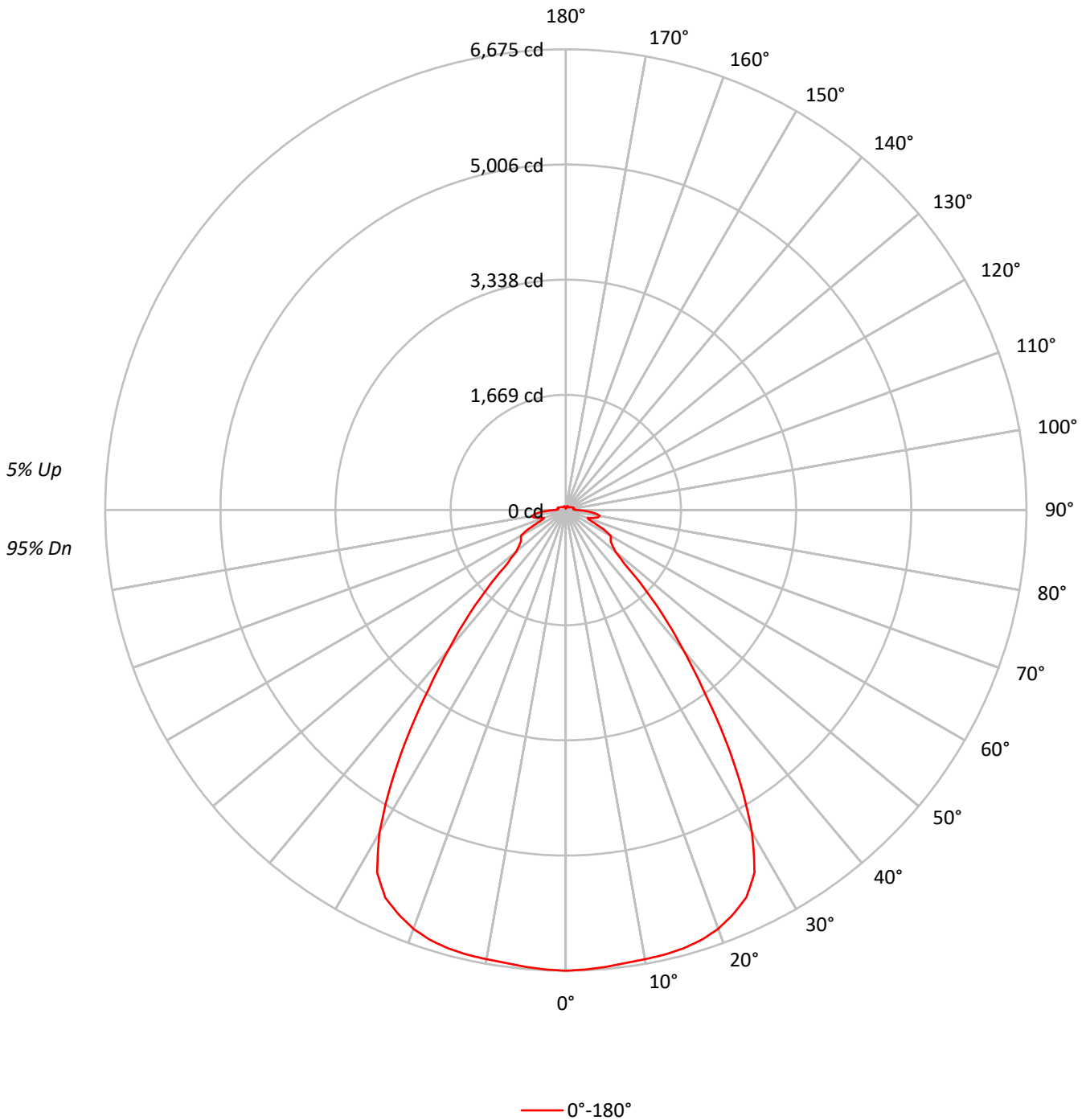
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11651.0 lumens
Efficiency: N/A
Efficacy: 145.3 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				
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°	54050
5°	51791
10°	50012
15°	48743
20°	47220
25°	45042
30°	39358
35°	29352
40°	19831
45°	12417
50°	7456
55°	6599
60°	6577
65°	4439
70°	3398
75°	4812
80°	6135
85°	5253

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12417 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	633.0	5.4
10°-20°	1857.5	15.9
20°-30°	2808.2	24.1
30°-40°	2476.3	21.3
40°-50°	1273.6	10.9
50°-60°	730.6	6.3
60°-70°	497.8	4.3
70°-80°	453.6	3.9
80°-90°	387.3	3.3
90°-100°	132.8	1.1
100°-110°	123.1	1.1
110°-120°	91.9	0.8
120°-130°	64.0	0.5
130°-140°	43.7	0.4
140°-150°	34.4	0.3
150°-160°	26.6	0.2
160°-170°	13.5	0.1
170°-180°	3.1	0.0
0°-30°	5298.7	45.5
0°-40°	7775.0	66.7
0°-60°	9779.2	83.9
0°-90°	11117.9	95.4
90°-120°	347.8	3.0
90°-150°	490.0	4.2
90°-180°	533.0	4.6
0°-180°	11651.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6675	
5°	6645	633
15°	6577	1857
25°	6192	2808
35°	3987	2476
45°	1615	1274
55°	794	731
65°	475	498
75°	435	454
85°	373	329
90°	165	98
95°	111	93
105°	119	123
115°	92	92
125°	72	64
135°	55	44
145°	54	34
155°	58	27
165°	47	13
175°	30	3
180°	25	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6675.3
2.5°	6664.8
5°	6644.8
7.5°	6620.0
10°	6607.6
12.5°	6599.1
15°	6577.1
17.5°	6532.3
20°	6456.1
22.5°	6339.7
25°	6192.0
27.5°	5922.2
30°	5398.8
32.5°	4723.8
35°	3986.9
37.5°	3254.7
40°	2646.5
42.5°	2120.2
45°	1615.0
47.5°	1149.7
50°	937.1
52.5°	854.2
55°	794.1
57.5°	772.2
60°	750.3
62.5°	640.6
65°	474.8
67.5°	359.4
70°	336.5
72.5°	375.6
75°	434.7
77.5°	485.3
80°	496.7
82.5°	457.6
85°	372.8
87.5°	260.3
90°	164.9
92.5°	123.0
95°	110.6
97.5°	112.5
100°	116.3
102.5°	120.1
105°	119.2
107.5°	114.4
110°	106.8



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	99.1
115°	91.5
117.5°	85.8
120°	80.1
122.5°	76.3
125°	71.5
127.5°	65.8
130°	62.0
132.5°	58.2
135°	55.3
137.5°	54.3
140°	53.4
142.5°	54.3
145°	54.3
147.5°	55.3
150°	57.2
152.5°	58.2
155°	58.2
157.5°	57.2
160°	55.3
162.5°	51.5
165°	46.7
167.5°	41.9
170°	37.2
172.5°	33.4
175°	29.6
177.5°	26.7
180°	24.8

(END OF REPORT)