

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: P1175804

Luminaire Tested: UHBS2-1218-W-L83065-LOW-4000K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175804
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-4000K-CLR6
Description: UHBS2 LED High Bay at 4000K and LOW lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

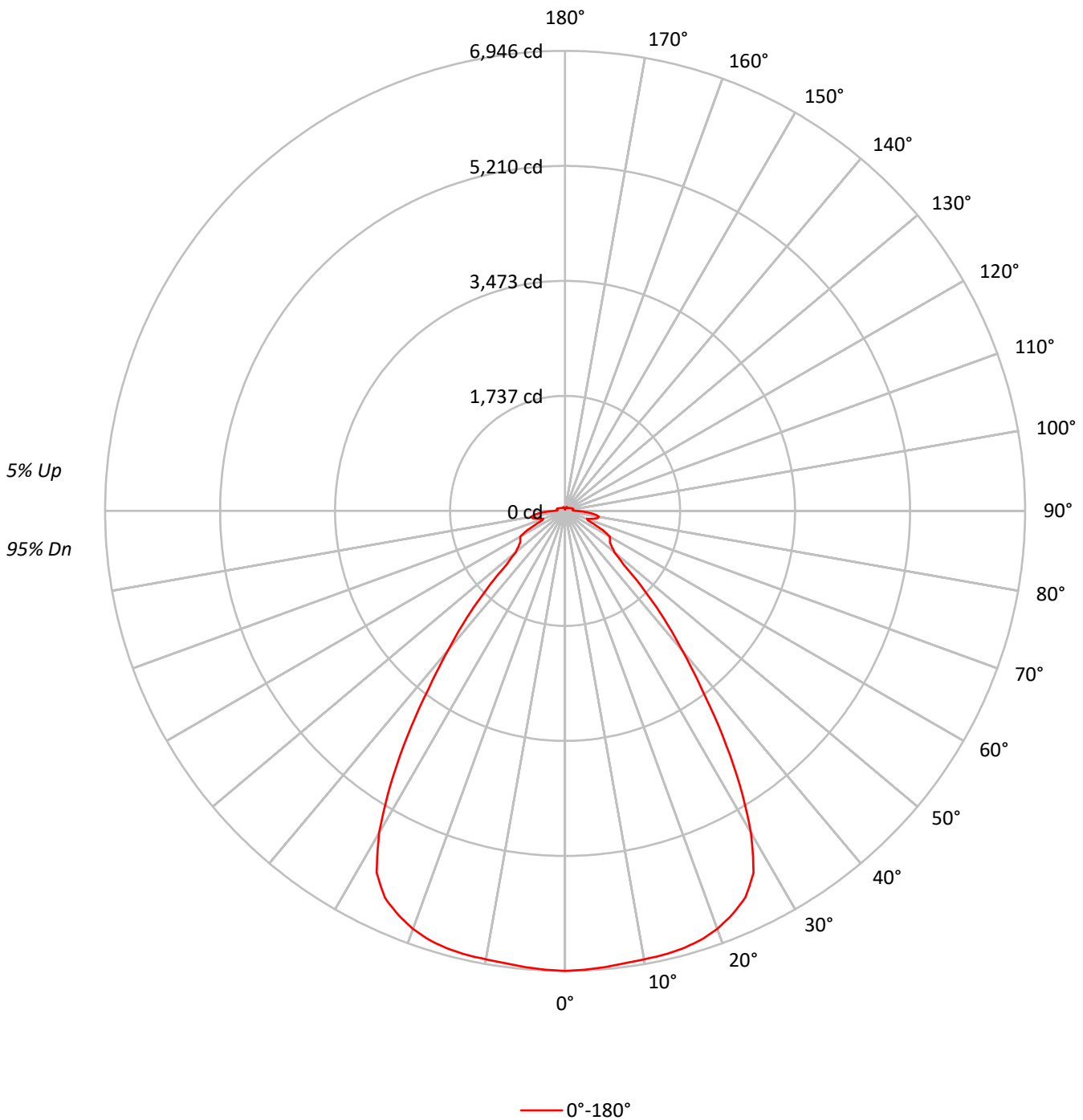
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12123.0 lumens
Efficiency: N/A
Efficacy: 154.2 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): 78.6
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°	56240
5°	53890
10°	52038
15°	50718
20°	49133
25°	46867
30°	40952
35°	30541
40°	20634
45°	12920
50°	7759
55°	6866
60°	6843
65°	4618
70°	3536
75°	5007
80°	6383
85°	5466

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12920 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	658.6	5.4
10°-20°	1932.7	15.9
20°-30°	2922.0	24.1
30°-40°	2576.6	21.3
40°-50°	1325.2	10.9
50°-60°	760.2	6.3
60°-70°	518.0	4.3
70°-80°	471.9	3.9
80°-90°	402.9	3.3
90°-100°	138.2	1.1
100°-110°	128.1	1.1
110°-120°	95.7	0.8
120°-130°	66.6	0.5
130°-140°	45.5	0.4
140°-150°	35.8	0.3
150°-160°	27.7	0.2
160°-170°	14.0	0.1
170°-180°	3.2	0.0
0°-30°	5513.3	45.5
0°-40°	8090.0	66.7
0°-60°	10175.4	83.9
0°-90°	11568.3	95.4
90°-120°	362.0	3.0
90°-150°	509.8	4.2
90°-180°	555.0	4.6
0°-180°	12123.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6946	
5°	6914	659
15°	6844	1933
25°	6443	2922
35°	4148	2577
45°	1680	1325
55°	826	760
65°	494	518
75°	452	472
85°	388	342
90°	172	102
95°	115	97
105°	124	128
115°	95	96
125°	74	67
135°	58	46
145°	56	36
155°	60	28
165°	49	14
175°	31	3
180°	26	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6945.8
2.5°	6934.8
5°	6914.0
7.5°	6888.2
10°	6875.3
12.5°	6866.4
15°	6843.6
17.5°	6797.0
20°	6717.6
22.5°	6596.6
25°	6442.8
27.5°	6162.1
30°	5617.5
32.5°	4915.2
35°	4148.4
37.5°	3386.6
40°	2753.7
42.5°	2206.1
45°	1680.4
47.5°	1196.3
50°	975.1
52.5°	888.8
55°	826.3
57.5°	803.5
60°	780.7
62.5°	666.6
65°	494.0
67.5°	374.0
70°	350.2
72.5°	390.8
75°	452.3
77.5°	504.9
80°	516.8
82.5°	476.1
85°	387.9
87.5°	270.8
90°	171.6
92.5°	128.0
95°	115.1
97.5°	117.1
100°	121.0
102.5°	125.0
105°	124.0
107.5°	119.0
110°	111.1



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	103.2
115°	95.2
117.5°	89.3
120°	83.3
122.5°	79.4
125°	74.4
127.5°	68.4
130°	64.5
132.5°	60.5
135°	57.5
137.5°	56.5
140°	55.6
142.5°	56.5
145°	56.5
147.5°	57.5
150°	59.5
152.5°	60.5
155°	60.5
157.5°	59.5
160°	57.5
162.5°	53.6
165°	48.6
167.5°	43.6
170°	38.7
172.5°	34.7
175°	30.8
177.5°	27.8
180°	25.8

(END OF REPORT)