

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: P1175789

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

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175789
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2505-439-3)
Test Lab: INNOVATION CENTER
Issue Date: 8/26/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-1218-N-L83065-LOW-4000K-CLR6
Description: UHBS2 LED High Bay at 4000K and LOW lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

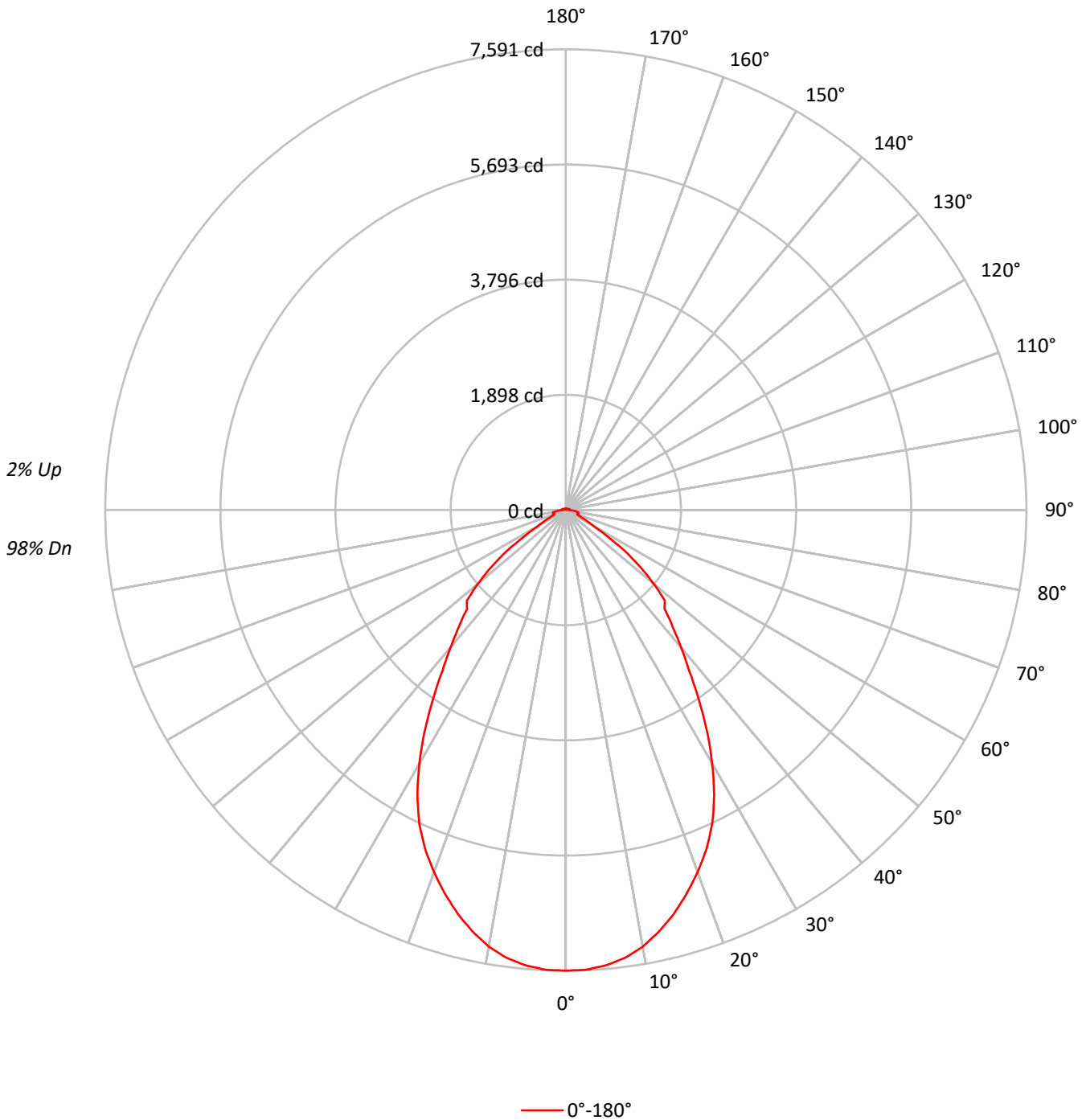
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11449.0 lumens
Efficiency: N/A
Efficacy: 145.7 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.03
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				
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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	100	100	100	98
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	91	89	89	89	89	87
2	103	97	92	87	101	95	90	86	91	87	84	88	85	82	85	82	80	80	80	80	78
3	96	88	82	77	94	86	81	76	83	78	74	81	76	73	78	74	71	71	71	71	69
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	72	68	64	64	64	64	62
5	84	73	66	61	82	72	65	60	70	64	60	68	63	59	66	62	58	58	58	58	56
6	79	67	60	55	77	67	60	54	65	58	54	63	57	53	61	56	53	53	53	53	51
7	74	62	55	50	72	61	54	49	60	54	49	58	53	49	57	52	48	48	48	48	46
8	69	58	50	45	68	57	50	45	56	49	45	54	49	45	53	48	44	44	44	44	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	44	41	41	41	41	39
10	62	50	43	38	60	49	43	38	48	42	38	47	42	38	46	41	38	38	38	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	61465
5°	58716
10°	55278
15°	51024
20°	46438
25°	41524
30°	35177
35°	28166
40°	22108
45°	17692
50°	15033
55°	10088
60°	4705
65°	2689
70°	2001
75°	2342
80°	2518
85°	1749

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17692 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	711.9	6.2
10°-20°	1931.2	16.9
20°-30°	2599.6	22.7
30°-40°	2393.7	20.9
40°-50°	1836.1	16.0
50°-60°	1069.0	9.3
60°-70°	312.7	2.7
70°-80°	219.9	1.9
80°-90°	137.7	1.2
90°-100°	58.0	0.5
100°-110°	64.6	0.6
110°-120°	43.7	0.4
120°-130°	24.8	0.2
130°-140°	16.1	0.1
140°-150°	13.7	0.1
150°-160°	10.1	0.1
160°-170°	4.8	0.0
170°-180°	1.3	0.0
0°-30°	5242.8	45.8
0°-40°	7636.4	66.7
0°-60°	10541.6	92.1
0°-90°	11211.9	97.9
90°-120°	166.3	1.5
90°-150°	221.0	1.9
90°-180°	237.0	2.1
0°-180°	11449.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7591	
5°	7533	712
15°	6885	1931
25°	5708	2600
35°	3826	2394
45°	2301	1836
55°	1214	1069
65°	288	313
75°	212	220
85°	124	119
90°	55	33
95°	50	44
105°	64	65
115°	43	44
125°	27	25
135°	20	16
145°	22	14
155°	22	10
165°	16	5
175°	12	1
180°	12	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7591.0
2.5°	7580.4
5°	7533.2
7.5°	7445.7
10°	7303.3
12.5°	7110.0
15°	6884.9
17.5°	6626.1
20°	6349.1
22.5°	6050.8
25°	5708.4
27.5°	5296.7
30°	4825.3
32.5°	4335.6
35°	3825.8
37.5°	3341.9
40°	2950.4
42.5°	2604.1
45°	2301.1
47.5°	2210.6
50°	1889.3
52.5°	1559.4
55°	1214.0
57.5°	833.1
60°	536.8
62.5°	393.4
65°	287.6
67.5°	220.3
70°	198.2
72.5°	201.1
75°	211.6
77.5°	217.4
80°	203.9
82.5°	169.3
85°	124.1
87.5°	82.7
90°	54.8
92.5°	49.1
95°	50.0
97.5°	55.8
100°	60.6
102.5°	63.5
105°	63.5
107.5°	59.6
110°	54.8



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	49.1
115°	43.3
117.5°	38.5
120°	34.6
122.5°	30.8
125°	26.9
127.5°	24.0
130°	22.1
132.5°	21.2
135°	20.2
137.5°	20.2
140°	21.2
142.5°	21.2
145°	22.1
147.5°	22.1
150°	23.1
152.5°	23.1
155°	22.1
157.5°	20.2
160°	19.2
162.5°	18.3
165°	16.4
167.5°	15.4
170°	14.4
172.5°	13.5
175°	12.5
177.5°	11.5
180°	11.5

(END OF REPORT)