

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: P1175769

Luminaire Tested: UHBS2-1218-M-L83065-HIGH-4000K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175769
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-HIGH-4000K-CLR6
Description: UHBS2 LED High Bay at 4000K and HIGH lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

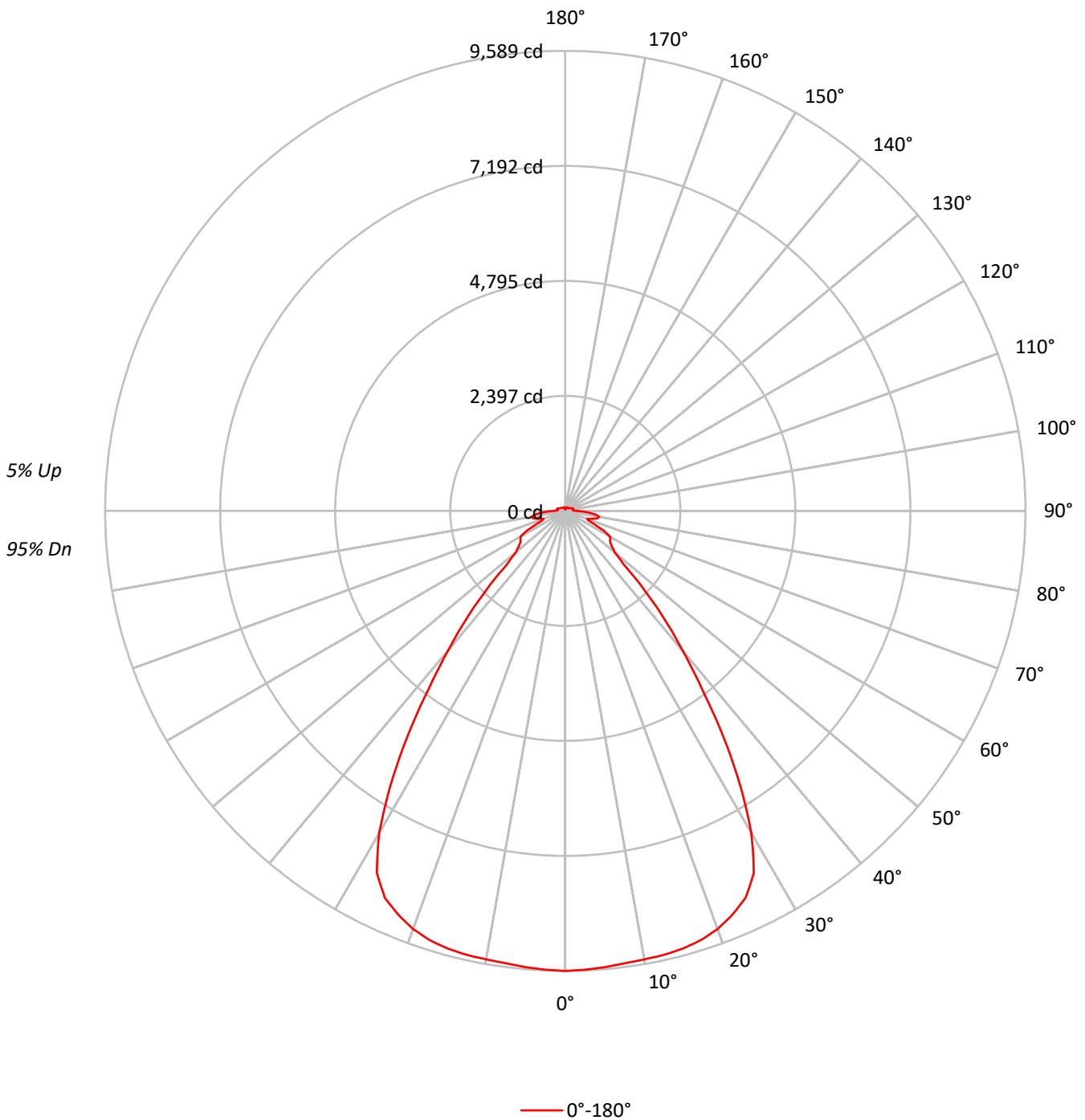
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16737.0 lumens
Efficiency: N/A
Efficacy: 140.5 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): 119.1
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.998
Total Harmonic Distortion (THDi): 6.9
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°	77645
5°	74400
10°	71845
15°	70020
20°	67833
25°	64704
30°	56538
35°	42165
40°	28488
45°	17837
50°	10711
55°	9480
60°	9447
65°	6376
70°	4881
75°	6913
80°	8813
85°	7546

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17837 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	909.3	5.4
10°-20°	2668.3	15.9
20°-30°	4034.1	24.1
30°-40°	3557.3	21.3
40°-50°	1829.6	10.9
50°-60°	1049.5	6.3
60°-70°	715.1	4.3
70°-80°	651.6	3.9
80°-90°	556.3	3.3
90°-100°	190.8	1.1
100°-110°	176.8	1.1
110°-120°	132.1	0.8
120°-130°	91.9	0.5
130°-140°	62.8	0.4
140°-150°	49.4	0.3
150°-160°	38.2	0.2
160°-170°	19.4	0.1
170°-180°	4.4	0.0
0°-30°	7611.7	45.5
0°-40°	11169.0	66.7
0°-60°	14048.1	83.9
0°-90°	15971.1	95.4
90°-120°	499.7	3.0
90°-150°	703.9	4.2
90°-180°	766.0	4.6
0°-180°	16737.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9589	
5°	9546	909
15°	9448	2668
25°	8895	4034
35°	5727	3557
45°	2320	1830
55°	1141	1050
65°	682	715
75°	624	652
85°	536	473
90°	237	140
95°	159	134
105°	171	177
115°	132	132
125°	103	92
135°	79	63
145°	78	49
155°	84	38
165°	67	19
175°	42	4
180°	36	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9589.3
2.5°	9574.2
5°	9545.5
7.5°	9509.9
10°	9492.1
12.5°	9479.7
15°	9448.2
17.5°	9383.9
20°	9274.3
22.5°	9107.2
25°	8895.0
27.5°	8507.4
30°	7755.5
32.5°	6785.9
35°	5727.3
37.5°	4675.5
40°	3801.8
42.5°	3045.8
45°	2319.9
47.5°	1651.6
50°	1346.2
52.5°	1227.1
55°	1140.8
57.5°	1109.3
60°	1077.8
62.5°	920.3
65°	682.0
67.5°	516.3
70°	483.4
72.5°	539.6
75°	624.5
77.5°	697.1
80°	713.5
82.5°	657.4
85°	535.5
87.5°	373.9
90°	236.9
92.5°	176.7
95°	158.9
97.5°	161.6
100°	167.1
102.5°	172.6
105°	171.2
107.5°	164.3
110°	153.4



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	142.4
115°	131.5
117.5°	123.3
120°	115.0
122.5°	109.6
125°	102.7
127.5°	94.5
130°	89.0
132.5°	83.5
135°	79.4
137.5°	78.1
140°	76.7
142.5°	78.1
145°	78.1
147.5°	79.4
150°	82.2
152.5°	83.5
155°	83.5
157.5°	82.2
160°	79.4
162.5°	74.0
165°	67.1
167.5°	60.3
170°	53.4
172.5°	47.9
175°	42.5
177.5°	38.3
180°	35.6

(END OF REPORT)