

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: P1175781

Luminaire Tested: UHBS2-1218-M-L83065-MID-6500K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175781
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-MID-6500K-CLR6
Description: UHBS2 LED High Bay at 6500K and MID lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

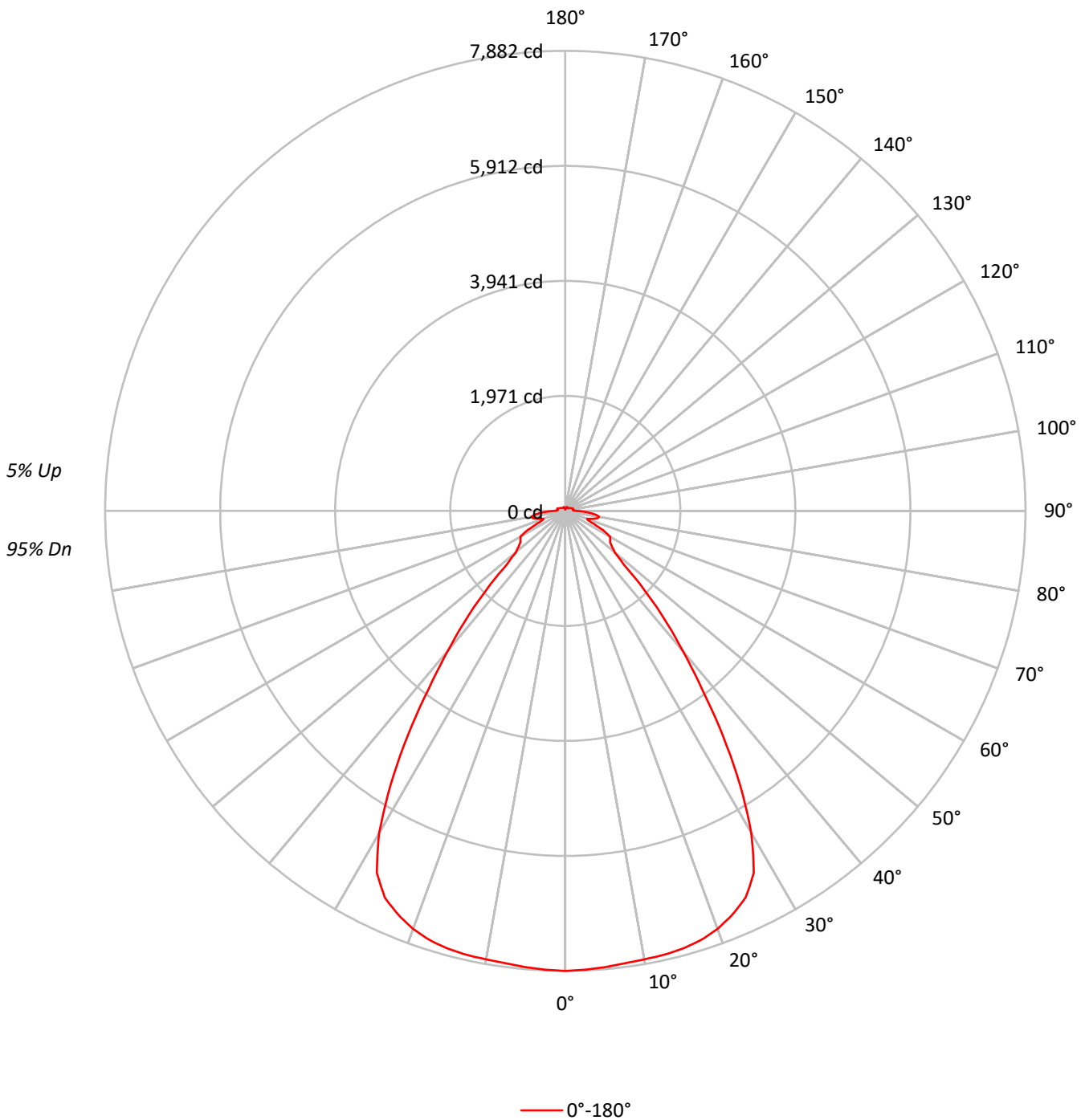
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13757.1 lumens
Efficiency: N/A
Efficacy: 139.4 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): 98.7
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				
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°	63820
5°	61153
10°	59052
15°	57554
20°	55755
25°	53184
30°	46472
35°	34658
40°	23416
45°	14661
50°	8804
55°	7792
60°	7765
65°	5241
70°	4013
75°	5682
80°	7244
85°	6201

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14661 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	747.4	5.4
10°-20°	2193.2	15.9
20°-30°	3315.8	24.1
30°-40°	2923.9	21.3
40°-50°	1503.9	10.9
50°-60°	862.7	6.3
60°-70°	587.8	4.3
70°-80°	535.6	3.9
80°-90°	457.2	3.3
90°-100°	156.8	1.1
100°-110°	145.3	1.1
110°-120°	108.6	0.8
120°-130°	75.6	0.5
130°-140°	51.7	0.4
140°-150°	40.6	0.3
150°-160°	31.4	0.2
160°-170°	15.9	0.1
170°-180°	3.6	0.0
0°-30°	6256.4	45.5
0°-40°	9180.4	66.7
0°-60°	11546.9	83.9
0°-90°	13127.6	95.4
90°-120°	410.7	3.0
90°-150°	578.6	4.2
90°-180°	630.0	4.6
0°-180°	13757.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7882	
5°	7846	747
15°	7766	2193
25°	7311	3316
35°	4708	2924
45°	1907	1504
55°	938	863
65°	561	588
75°	513	536
85°	440	388
90°	195	115
95°	131	110
105°	141	145
115°	108	109
125°	84	76
135°	65	52
145°	64	41
155°	69	31
165°	55	16
175°	35	4
180°	29	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7881.9
2.5°	7869.6
5°	7845.9
7.5°	7816.7
10°	7802.0
12.5°	7791.9
15°	7766.0
17.5°	7713.1
20°	7623.0
22.5°	7485.7
25°	7311.2
27.5°	6992.7
30°	6374.7
32.5°	5577.7
35°	4707.6
37.5°	3843.0
40°	3124.9
42.5°	2503.5
45°	1906.9
47.5°	1357.6
50°	1106.5
52.5°	1008.6
55°	937.7
57.5°	911.8
60°	885.9
62.5°	756.5
65°	560.6
67.5°	424.4
70°	397.4
72.5°	443.5
75°	513.3
77.5°	573.0
80°	586.5
82.5°	540.3
85°	440.1
87.5°	307.3
90°	194.7
92.5°	145.2
95°	130.6
97.5°	132.8
100°	137.3
102.5°	141.8
105°	140.7
107.5°	135.1
110°	126.1



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	117.1
115°	108.1
117.5°	101.3
120°	94.6
122.5°	90.1
125°	84.4
127.5°	77.7
130°	73.2
132.5°	68.7
135°	65.3
137.5°	64.2
140°	63.0
142.5°	64.2
145°	64.2
147.5°	65.3
150°	67.5
152.5°	68.7
155°	68.7
157.5°	67.5
160°	65.3
162.5°	60.8
165°	55.2
167.5°	49.5
170°	43.9
172.5°	39.4
175°	34.9
177.5°	31.5
180°	29.3

(END OF REPORT)