

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: P1175811

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

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175811
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-MID-6500K-CLR6
Description: UHBS2 LED High Bay at 6500K and MID lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

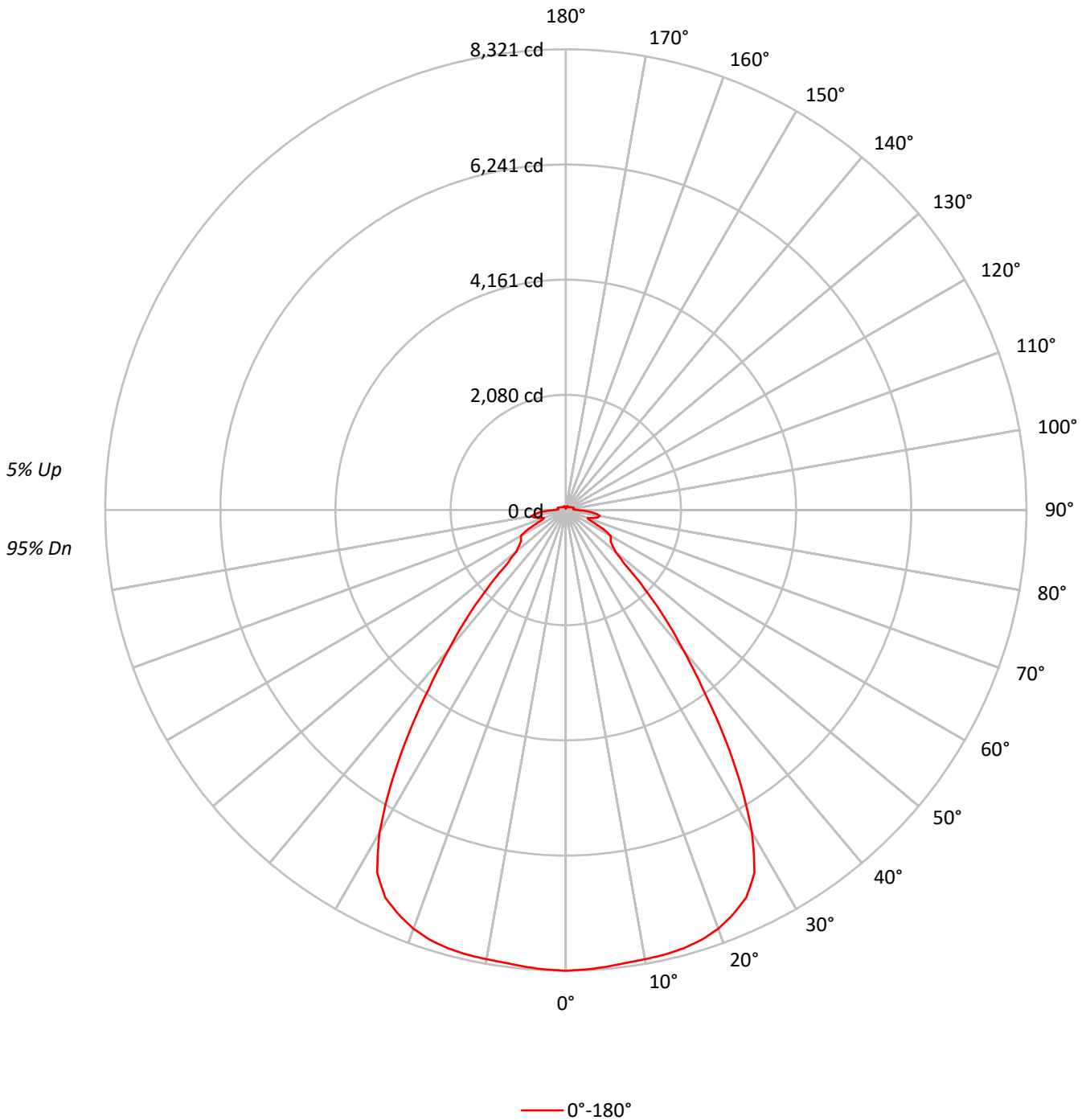
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14523.9 lumens
Efficiency: N/A
Efficacy: 147.2 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): 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°	67379
5°	64563
10°	62345
15°	60763
20°	58863
25°	56149
30°	49063
35°	36590
40°	24721
45°	15479
50°	9295
55°	8227
60°	8198
65°	5533
70°	4236
75°	5999
80°	7648
85°	6548

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 15479 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	789.0	5.4
10°-20°	2315.5	15.9
20°-30°	3500.7	24.1
30°-40°	3087.0	21.3
40°-50°	1587.7	10.9
50°-60°	910.8	6.3
60°-70°	620.6	4.3
70°-80°	565.4	3.9
80°-90°	482.7	3.3
90°-100°	165.5	1.1
100°-110°	153.4	1.1
110°-120°	114.6	0.8
120°-130°	79.8	0.5
130°-140°	54.5	0.4
140°-150°	42.9	0.3
150°-160°	33.2	0.2
160°-170°	16.8	0.1
170°-180°	3.8	0.0
0°-30°	6605.3	45.5
0°-40°	9692.2	66.7
0°-60°	12190.7	83.9
0°-90°	13859.4	95.4
90°-120°	433.6	3.0
90°-150°	610.8	4.2
90°-180°	665.0	4.6
0°-180°	14523.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8321	
5°	8283	789
15°	8199	2316
25°	7719	3501
35°	4970	3087
45°	2013	1588
55°	990	911
65°	592	621
75°	542	565
85°	465	410
90°	206	122
95°	138	116
105°	149	153
115°	114	115
125°	89	80
135°	69	55
145°	68	43
155°	72	33
165°	58	17
175°	37	4
180°	31	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8321.4
2.5°	8308.3
5°	8283.4
7.5°	8252.5
10°	8237.0
12.5°	8226.3
15°	8199.0
17.5°	8143.1
20°	8048.0
22.5°	7903.1
25°	7718.9
27.5°	7382.5
30°	6730.1
32.5°	5888.7
35°	4970.0
37.5°	4057.3
40°	3299.1
42.5°	2643.1
45°	2013.2
47.5°	1433.2
50°	1168.2
52.5°	1064.8
55°	990.0
57.5°	962.6
60°	935.3
62.5°	798.6
65°	591.8
67.5°	448.0
70°	419.5
72.5°	468.2
75°	541.9
77.5°	604.9
80°	619.2
82.5°	570.4
85°	464.7
87.5°	324.4
90°	205.6
92.5°	153.3
95°	137.9
97.5°	140.2
100°	145.0
102.5°	149.7
105°	148.6
107.5°	142.6
110°	133.1



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	123.6
115°	114.1
117.5°	107.0
120°	99.8
122.5°	95.1
125°	89.1
127.5°	82.0
130°	77.2
132.5°	72.5
135°	68.9
137.5°	67.7
140°	66.6
142.5°	67.7
145°	67.7
147.5°	68.9
150°	71.3
152.5°	72.5
155°	72.5
157.5°	71.3
160°	68.9
162.5°	64.2
165°	58.2
167.5°	52.3
170°	46.3
172.5°	41.6
175°	36.8
177.5°	33.3
180°	30.9

(END OF REPORT)