

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: P980657

Luminaire Tested: UHBS2-1218-W-L83065-MID-6500K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980657
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-1)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-1218-W-L83065-MID-6500K-CLR3
Description: UHBS2 LED High Bay at 6500K and MID lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

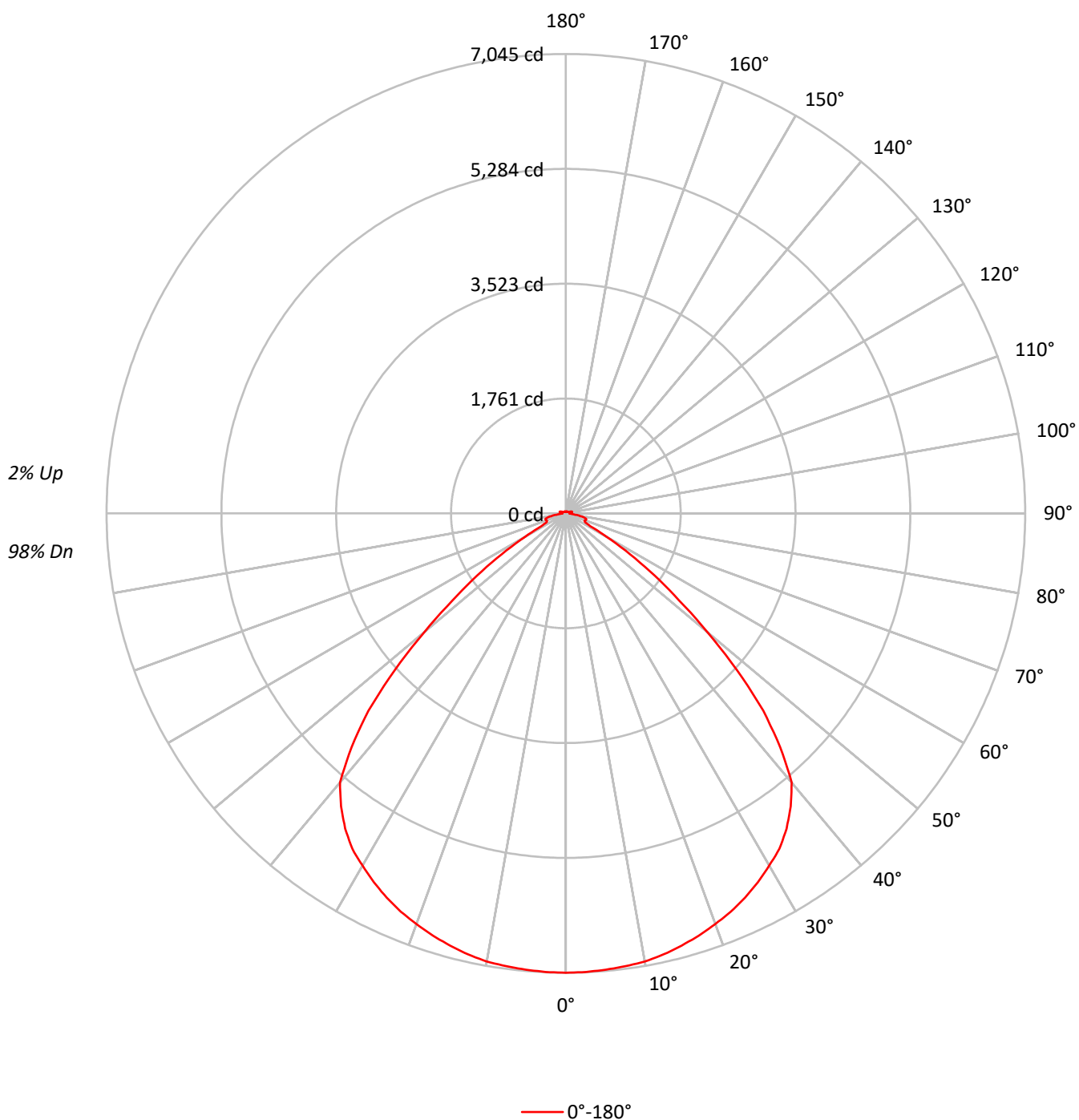
Lumens per Lamp: N/A
Luminaire Lumens: 15169.0 lumens
Efficiency: N/A
Efficacy: 153.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.34
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

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	0
RCR																				
0	119	119	119	119	116	116	116	116	110	110	110		105	105	105		100	100	100	98
1	111	107	104	101	108	105	102	99	100	98	95		96	94	92		92	90	89	87
2	103	96	91	86	100	94	89	85	90	86	83		87	84	81		84	81	79	77
3	95	87	80	75	93	85	79	74	82	77	72		79	75	71		76	73	69	67
4	88	78	71	65	86	77	70	65	74	68	64		72	67	63		70	65	62	60
5	82	71	63	58	80	70	63	57	68	61	57		66	60	56		64	59	55	53
6	76	65	57	51	74	64	56	51	62	55	50		60	54	50		58	53	49	47
7	71	59	51	46	69	58	51	46	57	50	45		55	49	45		54	48	44	43
8	67	54	47	41	65	54	46	41	52	46	41		51	45	41		50	44	40	39
9	62	50	43	38	61	49	42	37	48	42	37		47	41	37		46	41	37	35
10	58	46	39	34	57	46	39	34	45	38	34		44	38	34		43	37	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	71021
5°	69418
10°	68156
15°	66729
20°	65396
25°	64169
30°	62722
35°	60965
40°	57693
45°	47933
50°	33507
55°	20979
60°	9930
65°	4999
70°	5312
75°	6214
80°	4773
85°	2434

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 47933 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	669.1	4.4
10°-20°	1939.1	12.8
20°-30°	2997.8	19.8
30°-40°	3676.3	24.2
40°-50°	3228.9	21.3
50°-60°	1505.5	9.9
60°-70°	391.1	2.6
70°-80°	315.7	2.1
80°-90°	113.2	0.7
90°-100°	73.2	0.5
100°-110°	100.6	0.7
110°-120°	58.0	0.4
120°-130°	31.8	0.2
130°-140°	24.0	0.2
140°-150°	20.4	0.1
150°-160°	14.8	0.1
160°-170°	7.5	0.0
170°-180°	2.0	0.0
0°-30°	5606.0	37.0
0°-40°	9282.3	61.2
0°-60°	14016.7	92.4
0°-90°	14836.7	97.8
90°-120°	231.7	1.5
90°-150°	307.9	2.0
90°-180°	332.0	2.2
0°-180°	15169.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7045	
5°	7024	669
15°	6862	1939
25°	6504	2998
35°	5901	3676
45°	4280	3229
55°	1659	1506
65°	332	391
75°	322	316
85°	87	97
90°	52	30
95°	64	59
105°	100	101
115°	56	58
125°	35	32
135°	30	24
145°	33	20
155°	33	15
165°	26	8
175°	20	2
180°	20	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7045.4
2.5°	7039.7
5°	7024.0
7.5°	7003.7
10°	6978.9
12.5°	6928.2
15°	6861.8
17.5°	6788.6
20°	6701.8
22.5°	6611.7
25°	6503.6
27.5°	6376.3
30°	6237.8
32.5°	6098.1
35°	5901.0
37.5°	5663.3
40°	5388.5
42.5°	4867.0
45°	4280.2
47.5°	3560.4
50°	2831.7
52.5°	2187.4
55°	1659.1
57.5°	1166.9
60°	725.4
62.5°	421.3
65°	332.3
67.5°	310.9
70°	315.4
72.5°	327.8
75°	322.1
77.5°	282.7
80°	209.5
82.5°	135.2
85°	86.7
87.5°	63.1
90°	51.8
92.5°	55.2
95°	64.2
97.5°	77.7
100°	91.2
102.5°	100.2
105°	100.2
107.5°	93.5
110°	81.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	67.6
115°	56.3
117.5°	47.3
120°	41.7
122.5°	37.2
125°	34.9
127.5°	32.7
130°	31.5
132.5°	30.4
135°	30.4
137.5°	31.5
140°	31.5
142.5°	32.7
145°	32.7
147.5°	32.7
150°	32.7
152.5°	32.7
155°	32.7
157.5°	31.5
160°	29.3
162.5°	28.2
165°	25.9
167.5°	24.8
170°	22.5
172.5°	20.3
175°	20.3
177.5°	20.3
180°	20.3

(END OF REPORT)