

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: P980648

Luminaire Tested: UHBS2-1218-W-L83065-MID-3500K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980648
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-3500K-CLR3
Description: UHBS2 LED High Bay at 3500K and MID lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

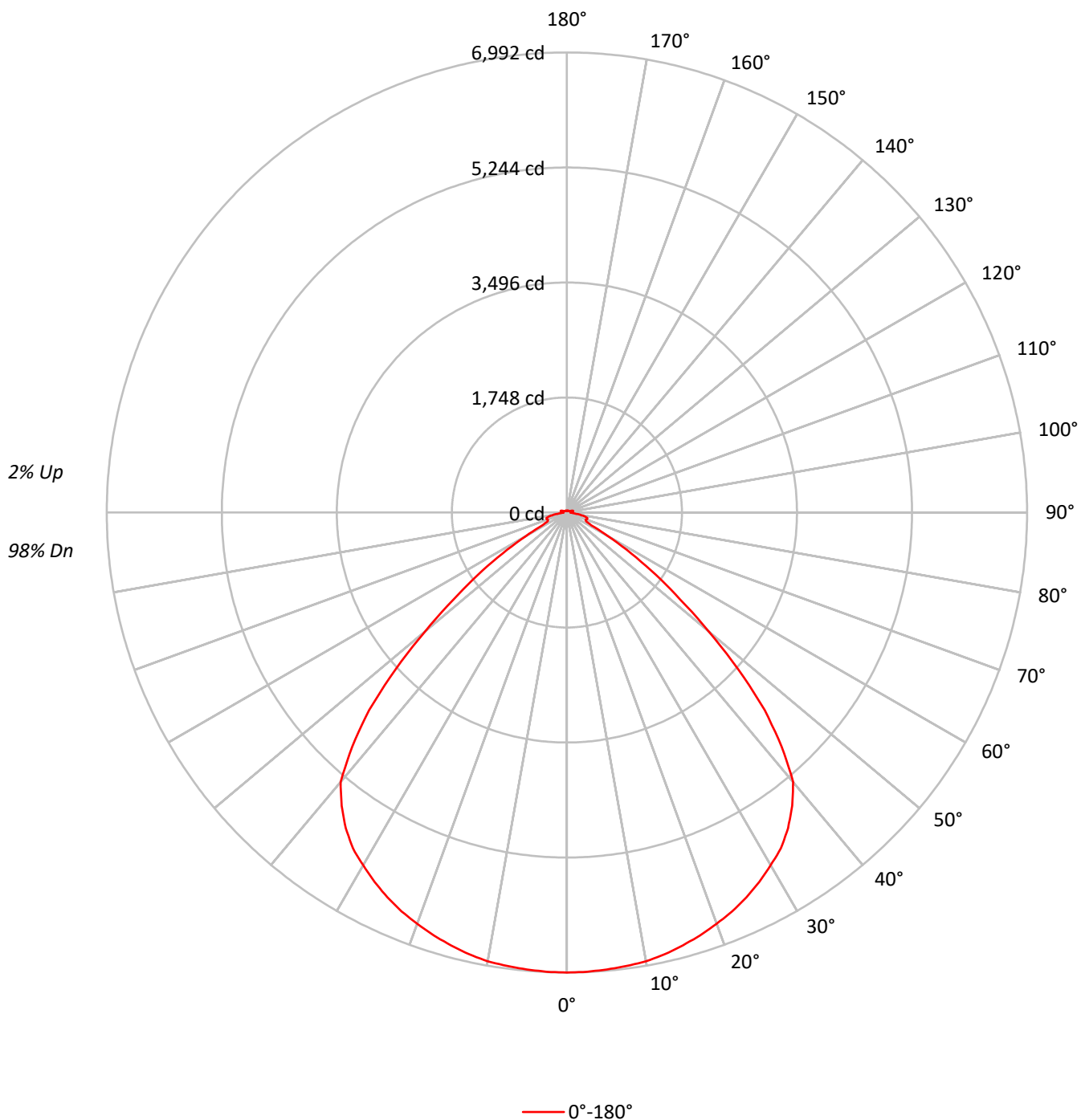
Lumens per Lamp: N/A
Luminaire Lumens: 15055.0 lumens
Efficiency: N/A
Efficacy: 154.3 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.34
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

Input Watts (W): 97.6
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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	110	110	110		105	105	105		100
1	111	107	104	101	108	105	102	99	100	98	95		96	94	92		92
2	103	96	91	86	100	94	89	85	90	86	83		87	84	81		84
3	95	87	80	75	93	85	79	74	82	77	72		79	75	71		76
4	88	78	71	65	86	77	70	65	74	68	64		72	67	63		70
5	82	71	63	58	80	70	63	57	68	61	57		66	60	56		64
6	76	65	57	51	74	64	56	51	62	55	50		60	54	50		58
7	71	59	51	46	69	58	51	46	57	50	45		55	49	45		54
8	67	54	47	41	65	54	46	41	52	46	41		51	45	41		50
9	62	50	43	38	61	49	42	37	48	42	37		47	41	37		46
10	58	46	39	34	57	46	39	34	45	38	34		44	38	34		43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	70487
5°	68896
10°	67644
15°	66228
20°	64905
25°	63686
30°	62251
35°	60506
40°	57259
45°	47573
50°	33255
55°	20822
60°	9854
65°	4962
70°	5271
75°	6168
80°	4736
85°	2417

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 47573 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	664.0	4.4
10°-20°	1924.5	12.8
20°-30°	2975.3	19.8
30°-40°	3648.7	24.2
40°-50°	3204.6	21.3
50°-60°	1494.2	9.9
60°-70°	388.2	2.6
70°-80°	313.3	2.1
80°-90°	112.3	0.7
90°-100°	72.7	0.5
100°-110°	99.8	0.7
110°-120°	57.6	0.4
120°-130°	31.6	0.2
130°-140°	23.8	0.2
140°-150°	20.3	0.1
150°-160°	14.7	0.1
160°-170°	7.5	0.0
170°-180°	2.0	0.0
0°-30°	5563.9	37.0
0°-40°	9212.6	61.2
0°-60°	13911.4	92.4
0°-90°	14725.2	97.8
90°-120°	230.0	1.5
90°-150°	305.7	2.0
90°-180°	330.0	2.2
0°-180°	15055.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6992	
5°	6971	664
15°	6810	1925
25°	6455	2975
35°	5857	3649
45°	4248	3205
55°	1647	1494
65°	330	388
75°	320	313
85°	86	97
90°	51	30
95°	64	58
105°	100	100
115°	56	58
125°	35	32
135°	30	24
145°	32	20
155°	32	15
165°	26	7
175°	20	2
180°	20	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6992.4
2.5°	6986.8
5°	6971.2
7.5°	6951.1
10°	6926.5
12.5°	6876.2
15°	6810.2
17.5°	6737.5
20°	6651.5
22.5°	6562.0
25°	6454.7
27.5°	6328.4
30°	6190.9
32.5°	6052.3
35°	5856.6
37.5°	5620.8
40°	5348.0
42.5°	4830.4
45°	4248.0
47.5°	3533.7
50°	2810.4
52.5°	2171.0
55°	1646.7
57.5°	1158.1
60°	719.9
62.5°	418.1
65°	329.8
67.5°	308.5
70°	313.0
72.5°	325.3
75°	319.7
77.5°	280.6
80°	207.9
82.5°	134.1
85°	86.1
87.5°	62.6
90°	51.4
92.5°	54.8
95°	63.7
97.5°	77.1
100°	90.5
102.5°	99.5
105°	99.5
107.5°	92.8
110°	80.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	67.1
115°	55.9
117.5°	47.0
120°	41.4
122.5°	36.9
125°	34.7
127.5°	32.4
130°	31.3
132.5°	30.2
135°	30.2
137.5°	31.3
140°	31.3
142.5°	32.4
145°	32.4
147.5°	32.4
150°	32.4
152.5°	32.4
155°	32.4
157.5°	31.3
160°	29.1
162.5°	27.9
165°	25.7
167.5°	24.6
170°	22.4
172.5°	20.1
175°	20.1
177.5°	20.1
180°	20.1

(END OF REPORT)