

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: P980651

Luminaire Tested: UHBS2-1218-W-L83065-MID-4000K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980651
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-4000K-CLR3
Description: UHBS2 LED High Bay at 4000K and MID lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

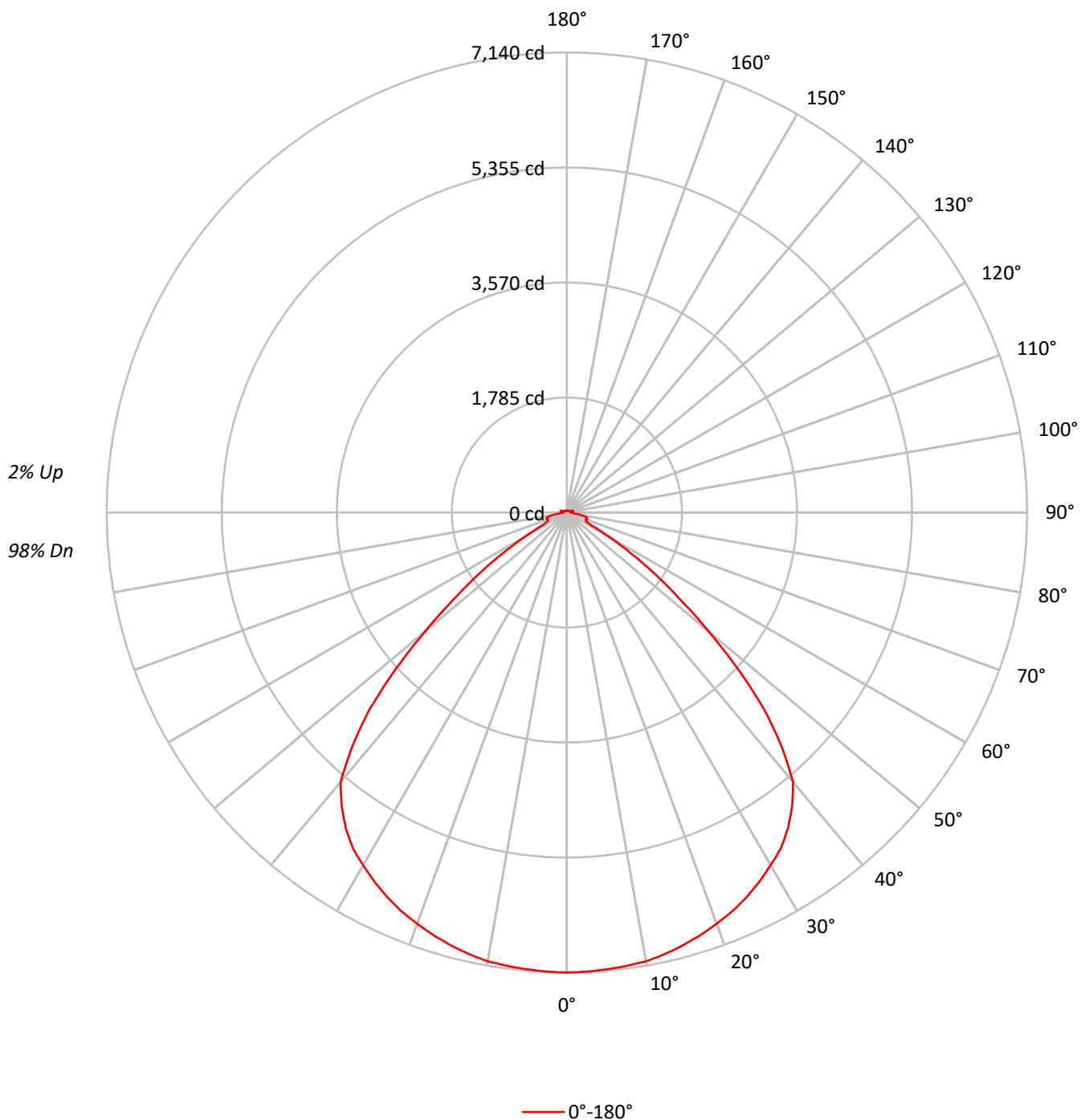
Lumens per Lamp: N/A
Luminaire Lumens: 15372.0 lumens
Efficiency: N/A
Efficacy: 159.3 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.34
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

Input Watts (W): 96.5
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°	71972
5°	70347
10°	69068
15°	67622
20°	66271
25°	65027
30°	63562
35°	61781
40°	58465
45°	48574
50°	33955
55°	21260
60°	10062
65°	5066
70°	5383
75°	6297
80°	4836
85°	2467

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 48574 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	678.0	4.4
10°-20°	1965.0	12.8
20°-30°	3038.0	19.8
30°-40°	3725.6	24.2
40°-50°	3272.1	21.3
50°-60°	1525.7	9.9
60°-70°	396.3	2.6
70°-80°	319.9	2.1
80°-90°	114.7	0.7
90°-100°	74.2	0.5
100°-110°	101.9	0.7
110°-120°	58.7	0.4
120°-130°	32.2	0.2
130°-140°	24.3	0.2
140°-150°	20.7	0.1
150°-160°	15.0	0.1
160°-170°	7.6	0.0
170°-180°	2.0	0.0
0°-30°	5681.0	37.0
0°-40°	9406.6	61.2
0°-60°	14204.3	92.4
0°-90°	15035.2	97.8
90°-120°	234.9	1.5
90°-150°	312.1	2.0
90°-180°	337.0	2.2
0°-180°	15372.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7140	
5°	7118	678
15°	6954	1965
25°	6591	3038
35°	5980	3726
45°	4337	3272
55°	1681	1526
65°	337	396
75°	326	320
85°	88	99
90°	52	31
95°	65	59
105°	102	102
115°	57	59
125°	35	32
135°	31	24
145°	33	21
155°	33	15
165°	26	8
175°	20	2
180°	20	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7139.7
2.5°	7134.0
5°	7118.0
7.5°	7097.4
10°	7072.3
12.5°	7021.0
15°	6953.6
17.5°	6879.4
20°	6791.5
22.5°	6700.2
25°	6590.6
27.5°	6461.6
30°	6321.3
32.5°	6179.7
35°	5980.0
37.5°	5739.1
40°	5460.6
42.5°	4932.1
45°	4337.4
47.5°	3608.1
50°	2869.6
52.5°	2216.7
55°	1681.3
57.5°	1182.5
60°	735.1
62.5°	426.9
65°	336.7
67.5°	315.0
70°	319.6
72.5°	332.2
75°	326.4
77.5°	286.5
80°	212.3
82.5°	137.0
85°	87.9
87.5°	63.9
90°	52.5
92.5°	55.9
95°	65.1
97.5°	78.8
100°	92.5
102.5°	101.6
105°	101.6
107.5°	94.7
110°	82.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	68.5
115°	57.1
117.5°	47.9
120°	42.2
122.5°	37.7
125°	35.4
127.5°	33.1
130°	32.0
132.5°	30.8
135°	30.8
137.5°	32.0
140°	32.0
142.5°	33.1
145°	33.1
147.5°	33.1
150°	33.1
152.5°	33.1
155°	33.1
157.5°	32.0
160°	29.7
162.5°	28.5
165°	26.3
167.5°	25.1
170°	22.8
172.5°	20.5
175°	20.5
177.5°	20.5
180°	20.5

(END OF REPORT)