

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: P980645

Luminaire Tested: UHBS2-1218-W-L83065-MID-3000K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980645
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-3000K-CLR3
Description: UHBS2 LED High Bay at 3000K and MID lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

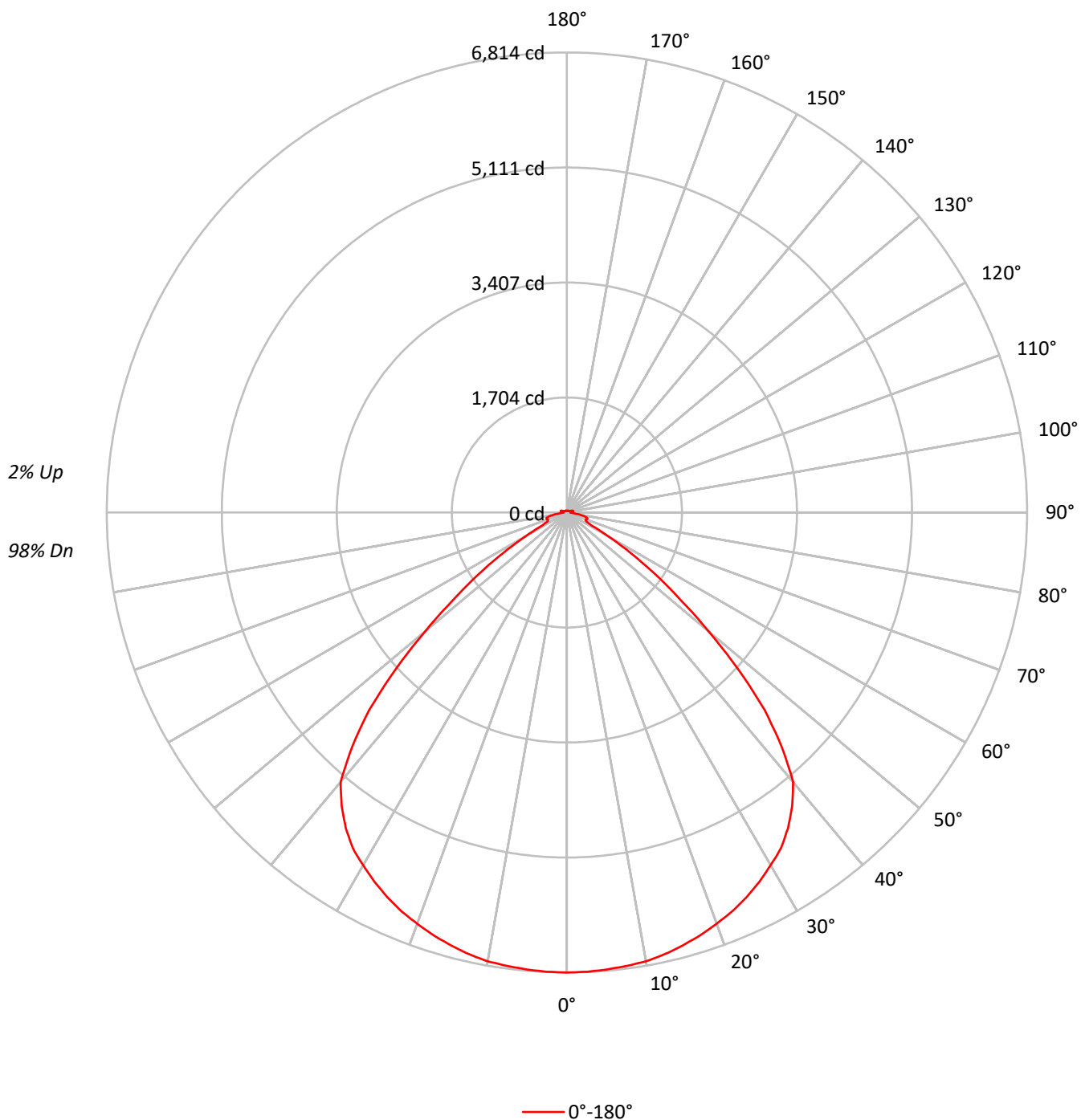
Lumens per Lamp: N/A
Luminaire Lumens: 14671.0 lumens
Efficiency: N/A
Efficacy: 148.3 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.34
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

Input Watts (W): 98.9
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

TEST NUMBER: P980645

CATALOG NUMBER: UHBS2-1218-W-L83065-MID-3000K-CLR3

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°	68690
5°	67139
10°	65918
15°	64539
20°	63249
25°	62062
30°	60663
35°	58963
40°	55799
45°	46359
50°	32407
55°	20291
60°	9604
65°	4835
70°	5137
75°	6012
80°	4615
85°	2355

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 46359 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	647.1	4.4
10°-20°	1875.4	12.8
20°-30°	2899.4	19.8
30°-40°	3555.7	24.2
40°-50°	3122.8	21.3
50°-60°	1456.1	9.9
60°-70°	378.3	2.6
70°-80°	305.3	2.1
80°-90°	109.4	0.7
90°-100°	70.8	0.5
100°-110°	97.3	0.7
110°-120°	56.1	0.4
120°-130°	30.7	0.2
130°-140°	23.2	0.2
140°-150°	19.8	0.1
150°-160°	14.3	0.1
160°-170°	7.3	0.0
170°-180°	1.9	0.0
0°-30°	5422.0	37.0
0°-40°	8977.6	61.2
0°-60°	13556.6	92.4
0°-90°	14349.6	97.8
90°-120°	224.2	1.5
90°-150°	297.9	2.0
90°-180°	321.0	2.2
0°-180°	14671.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6814	
5°	6793	647
15°	6636	1875
25°	6290	2899
35°	5707	3556
45°	4140	3123
55°	1605	1456
65°	321	378
75°	312	305
85°	84	94
90°	50	29
95°	62	57
105°	97	97
115°	54	56
125°	34	31
135°	29	23
145°	32	20
155°	32	14
165°	25	7
175°	20	2
180°	20	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6814.1
2.5°	6808.6
5°	6793.4
7.5°	6773.8
10°	6749.8
12.5°	6700.8
15°	6636.5
17.5°	6565.7
20°	6481.8
22.5°	6394.7
25°	6290.1
27.5°	6167.0
30°	6033.0
32.5°	5897.9
35°	5707.3
37.5°	5477.4
40°	5211.6
42.5°	4707.2
45°	4139.6
47.5°	3443.5
50°	2738.7
52.5°	2115.6
55°	1604.7
57.5°	1128.6
60°	701.6
62.5°	407.4
65°	321.4
67.5°	300.7
70°	305.0
72.5°	317.0
75°	311.6
77.5°	273.4
80°	202.6
82.5°	130.7
85°	83.9
87.5°	61.0
90°	50.1
92.5°	53.4
95°	62.1
97.5°	75.2
100°	88.2
102.5°	97.0
105°	97.0
107.5°	90.4
110°	78.4



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	65.4
115°	54.5
117.5°	45.8
120°	40.3
122.5°	35.9
125°	33.8
127.5°	31.6
130°	30.5
132.5°	29.4
135°	29.4
137.5°	30.5
140°	30.5
142.5°	31.6
145°	31.6
147.5°	31.6
150°	31.6
152.5°	31.6
155°	31.6
157.5°	30.5
160°	28.3
162.5°	27.2
165°	25.1
167.5°	24.0
170°	21.8
172.5°	19.6
175°	19.6
177.5°	19.6
180°	19.6

(END OF REPORT)