

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: P980580

Luminaire Tested: UHBS2-1218-M-L83065-MID-5000K-FRR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980580
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-5)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-1218-M-L83065-MID-5000K-FRR3
Description: UHBS2 LED High Bay at 5000K and MID lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

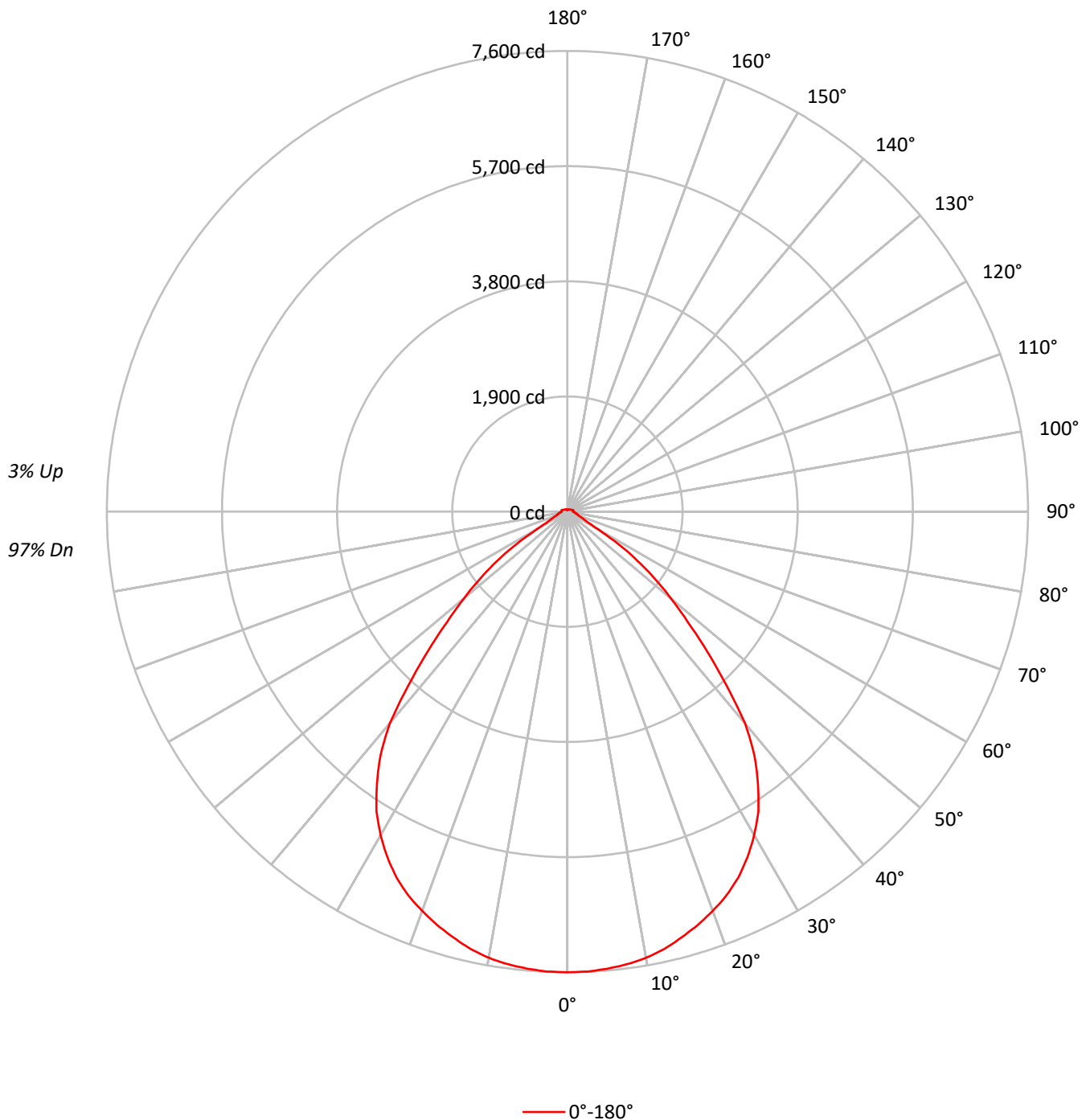
Lumens per Lamp: N/A
Luminaire Lumens: 14065.0 lumens
Efficiency: N/A
Efficacy: 145.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.22
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

Input Watts (W): 96.6
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	118	118	118	118	115	115	115	115	109	109	109		104	104	104		99
1	111	107	104	101	108	105	102	99	100	98	96		96	94	92		92
2	103	97	92	87	101	95	90	86	91	87	84		87	84	81		84
3	96	88	81	76	94	86	80	75	83	78	74		80	76	72		77
4	89	80	73	67	87	78	72	67	76	70	65		73	68	64		71
5	83	73	65	60	81	72	65	59	69	63	59		67	62	58		65
6	78	67	59	54	76	66	58	53	64	57	53		62	56	52		60
7	73	61	54	48	71	60	53	48	59	52	48		57	51	47		55
8	68	56	49	44	67	56	49	44	54	48	43		53	47	43		51
9	64	52	45	40	63	51	45	40	50	44	40		49	43	39		48
10	60	48	41	37	59	48	41	37	47	41	36		46	40	36		45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	76607
5°	74802
10°	72996
15°	70725
20°	68408
25°	65773
30°	61978
35°	56632
40°	48827
45°	36380
50°	26397
55°	17820
60°	7927
65°	4488
70°	3454
75°	3174
80°	3148
85°	3203

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 36380 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	719.6	5.1
10°-20°	2052.3	14.6
20°-30°	3059.7	21.8
30°-40°	3400.2	24.2
40°-50°	2533.8	18.0
50°-60°	1248.8	8.9
60°-70°	321.7	2.3
70°-80°	176.8	1.3
80°-90°	125.1	0.9
90°-100°	106.3	0.8
100°-110°	100.3	0.7
110°-120°	72.3	0.5
120°-130°	51.3	0.4
130°-140°	38.6	0.3
140°-150°	28.1	0.2
150°-160°	18.2	0.1
160°-170°	9.3	0.1
170°-180°	2.5	0.0
0°-30°	5831.6	41.5
0°-40°	9231.8	65.6
0°-60°	13014.4	92.5
0°-90°	13638.1	97.0
90°-120°	278.9	2.0
90°-150°	396.9	2.8
90°-180°	427.0	3.0
0°-180°	14065.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7600	
5°	7569	720
15°	7273	2052
25°	6666	3060
35°	5482	3400
45°	3249	2534
55°	1409	1249
65°	298	322
75°	164	177
85°	114	98
90°	93	53
95°	98	80
105°	95	100
115°	72	72
125°	57	51
135°	49	39
145°	45	28
155°	40	18
165°	33	9
175°	25	3
180°	25	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7599.5
2.5°	7594.0
5°	7568.8
7.5°	7531.5
10°	7474.5
12.5°	7391.1
15°	7272.7
17.5°	7149.8
20°	7010.5
22.5°	6855.9
25°	6666.2
27.5°	6431.4
30°	6163.8
32.5°	5864.4
35°	5481.6
37.5°	5067.1
40°	4560.4
42.5°	3878.2
45°	3248.6
47.5°	2692.6
50°	2230.8
52.5°	1817.3
55°	1409.3
57.5°	999.2
60°	579.1
62.5°	368.5
65°	298.3
67.5°	245.7
70°	205.1
72.5°	183.2
75°	164.5
77.5°	150.3
80°	138.2
82.5°	126.1
85°	114.1
87.5°	103.1
90°	93.2
92.5°	95.4
95°	97.6
97.5°	99.8
100°	100.9
102.5°	99.8
105°	95.4
107.5°	91.0
110°	84.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	77.9
115°	72.4
117.5°	66.9
120°	62.5
122.5°	59.2
125°	57.0
127.5°	54.8
130°	52.6
132.5°	51.5
135°	49.4
137.5°	48.3
140°	47.2
142.5°	46.1
145°	45.0
147.5°	42.8
150°	41.7
152.5°	40.6
155°	39.5
157.5°	37.3
160°	36.2
162.5°	34.0
165°	32.9
167.5°	30.7
170°	28.5
172.5°	26.3
175°	25.2
177.5°	26.3
180°	25.2

(END OF REPORT)