

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: P980550

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

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980550
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-HIGH-5000K-FRR3
Description: UHBS2 LED High Bay at 5000K and HIGH lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

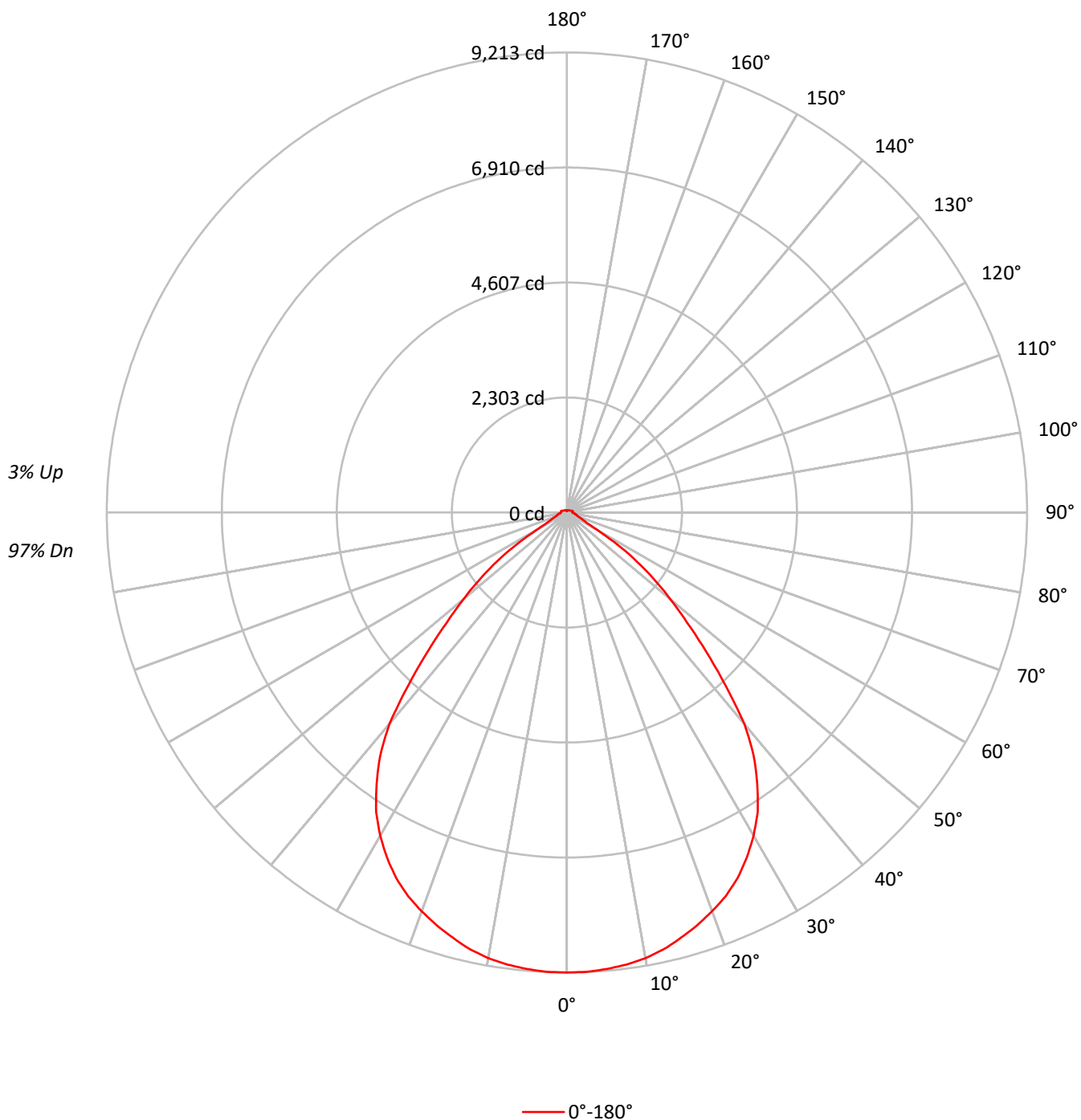
Lumens per Lamp: N/A
Luminaire Lumens: 17052.1 lumens
Efficiency: N/A
Efficacy: 143.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.22
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

Input Watts (W): 119.2
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.998
Total Harmonic Distortion (THDi): 6.9
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	30	10
RCR																	
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89
2	103	97	92	87	101	95	90	86	91	87	84	87	84	81	84	82	79
3	96	88	81	76	94	86	80	75	83	78	74	80	76	72	77	74	71
4	89	80	73	67	87	78	72	67	76	70	65	73	68	64	71	67	63
5	83	73	65	60	81	72	65	59	69	63	59	67	62	58	65	61	57
6	78	67	59	54	76	66	58	53	64	57	53	62	56	52	60	55	51
7	73	61	54	48	71	60	53	48	59	52	48	57	51	47	55	50	47
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	51	46	42
9	64	52	45	40	63	51	45	40	50	44	40	49	43	39	48	43	39
10	60	48	41	37	59	48	41	37	47	41	36	46	40	36	45	39	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	92876
5°	90688
10°	88497
15°	85745
20°	82936
25°	79741
30°	75141
35°	68659
40°	59195
45°	44107
50°	32003
55°	21606
60°	9611
65°	5442
70°	4189
75°	3849
80°	3816
85°	3882

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 44107 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	872.4	5.1
10°-20°	2488.2	14.6
20°-30°	3709.5	21.8
30°-40°	4122.3	24.2
40°-50°	3071.8	18.0
50°-60°	1514.1	8.9
60°-70°	390.0	2.3
70°-80°	214.4	1.3
80°-90°	151.7	0.9
90°-100°	128.9	0.8
100°-110°	121.6	0.7
110°-120°	87.6	0.5
120°-130°	62.3	0.4
130°-140°	46.8	0.3
140°-150°	34.0	0.2
150°-160°	22.0	0.1
160°-170°	11.3	0.1
170°-180°	3.1	0.0
0°-30°	7070.1	41.5
0°-40°	11192.4	65.6
0°-60°	15778.3	92.5
0°-90°	16534.5	97.0
90°-120°	338.1	2.0
90°-150°	481.2	2.8
90°-180°	518.0	3.0
0°-180°	17052.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9213	
5°	9176	872
15°	8817	2488
25°	8082	3710
35°	6646	4122
45°	3938	3072
55°	1709	1514
65°	362	390
75°	200	214
85°	138	119
90°	113	64
95°	118	98
105°	116	122
115°	88	88
125°	69	62
135°	60	47
145°	54	34
155°	48	22
165°	40	11
175°	31	3
180°	31	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9213.4
2.5°	9206.8
5°	9176.2
7.5°	9131.0
10°	9061.8
12.5°	8960.8
15°	8817.2
17.5°	8668.2
20°	8499.4
22.5°	8311.9
25°	8081.9
27.5°	7797.3
30°	7472.9
32.5°	7109.8
35°	6645.8
37.5°	6143.2
40°	5528.8
42.5°	4701.8
45°	3938.5
47.5°	3264.4
50°	2704.6
52.5°	2203.3
55°	1708.7
57.5°	1211.3
60°	702.1
62.5°	446.8
65°	361.7
67.5°	297.9
70°	248.7
72.5°	222.1
75°	199.5
77.5°	182.2
80°	167.5
82.5°	152.9
85°	138.3
87.5°	125.0
90°	113.0
92.5°	115.7
95°	118.3
97.5°	121.0
100°	122.3
102.5°	121.0
105°	115.7
107.5°	110.4
110°	102.4



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	94.4
115°	87.8
117.5°	81.1
120°	75.8
122.5°	71.8
125°	69.1
127.5°	66.5
130°	63.8
132.5°	62.5
135°	59.8
137.5°	58.5
140°	57.2
142.5°	55.8
145°	54.5
147.5°	51.9
150°	50.5
152.5°	49.2
155°	47.9
157.5°	45.2
160°	43.9
162.5°	41.2
165°	39.9
167.5°	37.2
170°	34.6
172.5°	31.9
175°	30.6
177.5°	31.9
180°	30.6

(END OF REPORT)