

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: P980632

Luminaire Tested: UHBS2-1218-W-L83065-LOW-3000K-FRR6

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980632
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-7)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-1218-W-L83065-LOW-3000K-FRR6
Description: UHBS2 LED High Bay at 3000K and LOW lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

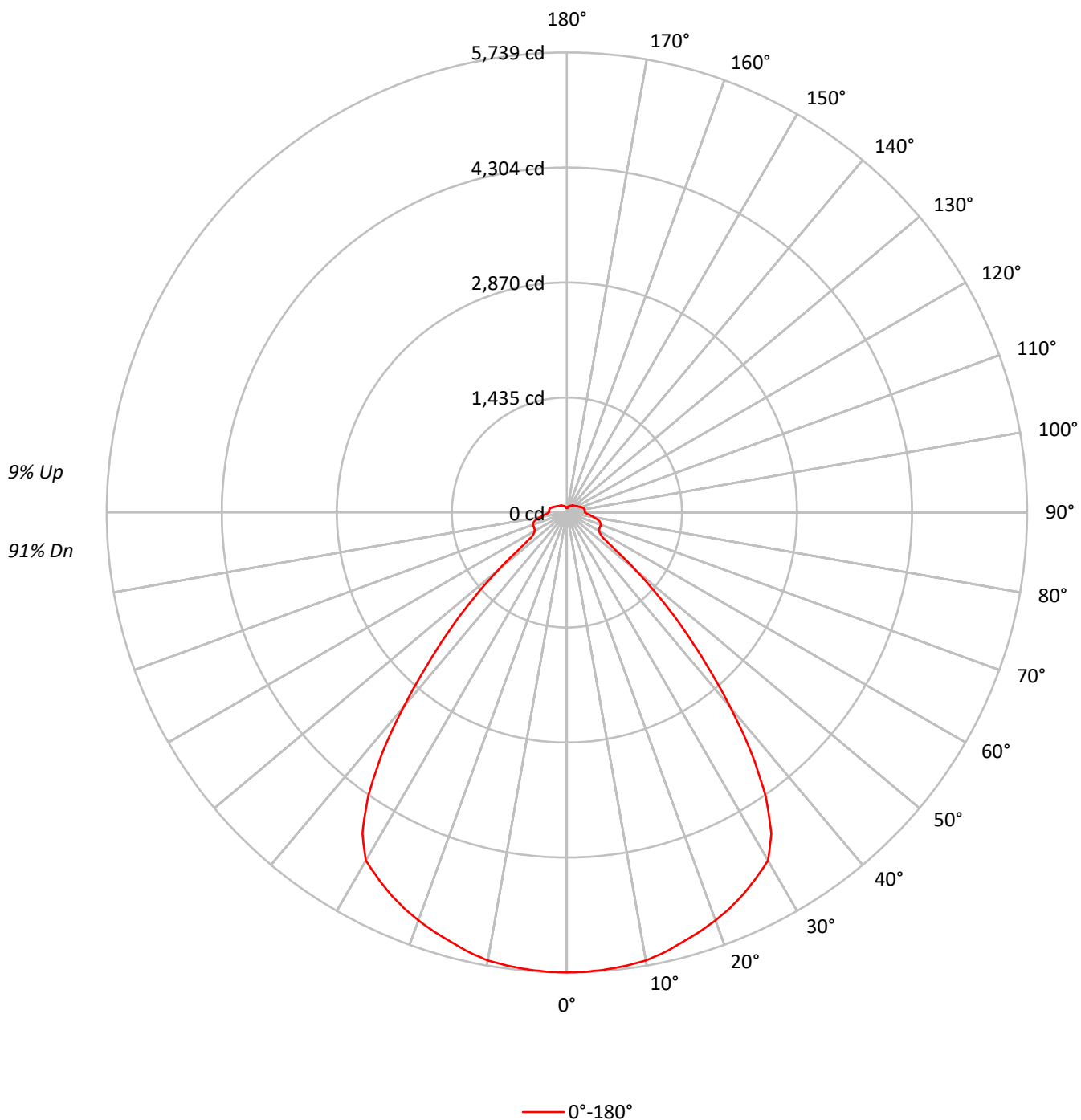
Lumens per Lamp: N/A
Luminaire Lumens: 11501.9 lumens
Efficiency: N/A
Efficacy: 143.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.18
Luminous Opening: Vertical Cylinder (Dia: 1.3' x H: 0.5')
CIE Type: Direct

Input Watts (W): 80.2
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.997
Total Harmonic Distortion (THDi): 7.2
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	117	117	117	117	113	113	113	113	106	106	106		100	100	100		94
1	108	104	101	97	105	101	98	95	95	93	90		90	88	86		85
2	100	94	88	83	97	91	86	81	86	82	78		82	78	75		78
3	93	85	78	72	90	82	76	71	78	73	69		75	70	67		71
4	87	77	69	64	84	75	68	63	72	66	61		68	63	60		65
5	81	70	62	57	78	68	61	56	66	59	55		63	58	53		60
6	76	64	57	51	73	63	56	50	60	54	49		58	53	48		56
7	71	59	51	46	69	58	51	46	56	49	45		54	48	44		52
8	66	55	47	42	64	53	46	42	52	45	41		50	44	40		48
9	62	50	43	38	61	50	43	38	48	42	37		46	41	37		45
10	59	47	40	35	57	46	39	35	45	39	34		43	38	34		42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	46469
5°	44593
10°	42946
15°	41145
20°	39603
25°	38097
30°	36555
35°	31825
40°	23789
45°	15782
50°	8950
55°	4548
60°	4055
65°	4208
70°	4545
75°	4637
80°	4238
85°	3768

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15782 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	544.7	4.7
10°-20°	1569.7	13.6
20°-30°	2414.5	21.0
30°-40°	2638.1	22.9
40°-50°	1593.7	13.9
50°-60°	572.5	5.0
60°-70°	449.4	3.9
70°-80°	433.3	3.8
80°-90°	298.5	2.6
90°-100°	243.6	2.1
100°-110°	223.0	1.9
110°-120°	169.3	1.5
120°-130°	124.7	1.1
130°-140°	93.2	0.8
140°-150°	65.8	0.6
150°-160°	41.8	0.4
160°-170°	20.9	0.2
170°-180°	5.4	0.0
0°-30°	4528.9	39.4
0°-40°	7166.9	62.3
0°-60°	9333.1	81.1
0°-90°	10514.2	91.4
90°-120°	635.9	5.5
90°-150°	919.6	8.0
90°-180°	988.0	8.6
0°-180°	11501.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5739	
5°	5721	545
15°	5552	1570
25°	5237	2414
35°	4323	2638
45°	2053	1594
55°	547	572
65°	450	449
75°	419	433
85°	267	235
90°	225	125
95°	223	182
105°	213	223
115°	169	169
125°	138	125
135°	120	93
145°	104	66
155°	90	42
165°	73	21
175°	55	5
180°	54	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	5739.0
2.5°	5735.5
5°	5721.2
7.5°	5702.5
10°	5674.0
12.5°	5620.5
15°	5551.9
17.5°	5486.8
20°	5414.6
22.5°	5333.5
25°	5237.2
27.5°	5127.6
30°	5014.4
32.5°	4745.2
35°	4322.8
37.5°	3780.9
40°	3174.8
42.5°	2572.3
45°	2052.6
47.5°	1567.8
50°	1124.8
52.5°	742.4
55°	547.3
57.5°	492.0
60°	462.6
62.5°	453.7
65°	450.1
67.5°	451.0
70°	450.1
72.5°	440.3
75°	418.9
77.5°	384.1
80°	343.1
82.5°	303.0
85°	267.4
87.5°	240.6
90°	224.6
92.5°	222.8
95°	222.8
97.5°	223.7
100°	222.8
102.5°	219.3
105°	213.0
107.5°	203.2
110°	191.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	180.9
115°	169.3
117.5°	159.5
120°	151.5
122.5°	144.4
125°	138.2
127.5°	132.8
130°	128.3
132.5°	123.9
135°	120.3
137.5°	115.9
140°	112.3
142.5°	107.8
145°	104.3
147.5°	100.7
150°	97.2
152.5°	93.6
155°	90.0
157.5°	86.5
160°	82.0
162.5°	77.5
165°	73.1
167.5°	67.7
170°	62.4
172.5°	55.3
175°	55.3
177.5°	54.4
180°	54.4

(END OF REPORT)